

(Marine volcanology, Kumamoto Univ.)

[Yokose Research Group, Kumamoto University](#)

[This reference list is maintained by Dr. Yokose. I know that you are looking for references for your work using the Google search engine and hit this page. I hope you will find useful information from here. But it should be noted that the characters are used only alphabets and Japanese. So some articles are not expressed precisely. Other than that, if you find a mistake \(I think that there are many mistakes, sorry\), please inform me \(yokose@sci.kumamoto-u.ac.jp\).](#)

Last modified: March 30, 2016.

No.	sen, C. and Dunn, T.,	year	title	J. (In ....(Editors), name of book)	volume (publisher, location)	page
16-005	Boris Marcaillou a,b,*, Jean-Yves Collot c,d,1, Alessandra Ribodetti c, Elia d' Ammy-Adoum Mahamat b, Alexandra AlvaradoAcremont e,	2016,	Seamount subduction at the North-Ecuadorian convergent margin: effects on structures, inter-seismic coupling and seismogenesis.	Earth and Planetary Science Letters	433,	146-158.
16-058	Wim Degruyter <sup>1,2</sup> , Christian Huber <sup>1</sup> , Olivier Bachmann <sup>2</sup> , Kari M. Cooper <sup>3</sup> , and Adam J. R. Kent <sup>4</sup>	2016,	Magma reservoir response to transient recharge events: The case of Santorini volcano (Greece).	geology,	44,	23-26.
16-059	Olivier Nadeau <sup>1</sup> , John Stix <sup>2</sup> , and Anthony E. Williams-Jones <sup>2</sup>	2016,	Links between arc volcanoes and porphyry-epithermal ore deposits	geology,	44,	11-14.
16-081	Chris H. Okubo	2016,	Morphologic evidence of subsurface sediment mobilization and mud volcanism in Candor and Coprates Chasmata, Valles Marineris, Mars.	Icarus,	269,	23-37.
16-139	Chris H. Okubo*	2016,	Morphologic evidence of subsurface sediment mobilization and mud volcanism in Candor and Coprates Chasmata, Valles Marineris, Mars.	Icarus,	269,	23-37.
16-140	Goro Komatsu a,fl, Chris H. Okubo b, James J. Wray c, Lujendra Ojha c, Marco Cardinale a,d, Alessio Murana a, Roberto Orosei e, Marjorie A. Chan f, Jens Ormø g, Ronnie Gallagher.	2016,	Small edifice features in Chryse Planitia, Mars: Assessment of a mud volcano hypothesis.	Icarus,	268,	56-75.
15-006	D.C. Rubie a,fl, S.A. Jacobson a,b, A. Morbidelli b, D.P. O'Brien c, E.D. Young d, J. de Vries a, F. Nimmo e, H. Palme f, D.J. Frost	2015,	Accretion and differentiation of the terrestrial planets with implications for the compositions of early-formed Solar System bodies and accretion of water	Icarus	248,	89-108.
15-021	Dionysis I. Foustoukos a,fl, Michael Bizimis b, Carl Frisby b, Steven B. Shirey	2015,	Redox controls on Ni-Fe-PGE mineralization and Re/Os fractionation during serpentinization of abyssal peridotite	Geochimica et Cosmochimica Acta	150,	11-25.
15-023	Hyun-Chul Han a, Youn Soo Lee a, Jong Sun Hwang b,fl, Seung-Gu Lee a, Youngho Yoon a, Vaughan Stagpoole	2015,	Geophysical characteristics of the Hupijiao Rise and their implication to Miocene volcanism in the northeastern part of the East China Sea	Marine Gology	363,	134-145.
15-027	Stéphane Guillot a,fl, Stéphane Schwartz a, Bruno Reynard b, Philippe Agard c, Cécile Prigent	2015,	Tectonic significance of serpentinites	Tectonophysics,	646,	1-19,
15-029	Roger H. Mitchell	2015,	Primary and secondary niobium mineral deposits associated with carbonatites	Ore Geology Reviews,	64,	626-641.
15-030	Fernando Tornos a,fl, Jan M. Peter b, Rodney Allen c,d, Carmen Conde	2015,	Controls on the siting and style of volcanogenic massive sulphide deposits	Ore Geology Reviews,	68,	142-163.
15-031	Harald G. Dill	2015,	Pegmatites and aplites: Their genetic and applied ore geology	Ore Geology Reviews,	69,	417-561.
15-057	Ross Taggart	2015,	Recovering rare Earth metals from coal fly ash	2015 world of coal ash (WOCA) conference in Nagschill		
15-058	Wencai Zhang, John Groppo and Rick Honaker,	2015,	Ash beneficiation for REE recovery	2015 world of coal ash (WOCA) conference in Nagschill		
15-067	MMTA	2015,	Recovery of Metals from Coal Fly Ash Solar Planes and Sustainable Roads	The crucible		1-16.
15-074	Mark S. Ghorso <sup>1</sup> · Guilherme A. R. Gualda <sup>2</sup>	2015,	An H <sub>2</sub> O-CO <sub>2</sub> mixed fluid saturation model compatible with rhyolite-MELTS	Contrib Mineral Petrol	169,	1-30.
15-076	Heye Freymuth <sup>1,2</sup> · Melanie Brandmeier <sup>1,3</sup> · Gerhard Wörner <sup>1</sup>	2015,	The origin and crust/mantle mass balance of Central Andean ignimbrite magmatism constrained by oxygen and strontium isotopes and erupted volumes	Contrib Mineral Petrol	169,	1-24.
15-078	S. Del Moro <sup>1</sup> & A. Di Roberto <sup>2</sup> & S. Meletlidis <sup>3</sup> & M. Pompilio <sup>2</sup> & A. Bertagnini <sup>2</sup> & S. Agostini <sup>4</sup> & F. Ridolfi <sup>1</sup> & A. Renzulli <sup>1</sup>	2015,	Xenopumice erupted on 15 October 2011 offshore of El Hierro (Canary Islands): a subvolcanic snapshot of magmatic, hydrothermal and pyrometamorphic processes	Bull volcanol,		1-19.
15-079	Wojciech Franus & Małgorzata M. Wiatros · Motyka Magdalena Wdowin	2015,	Coal fly ash as a resource for rare earth elements	Environ Sci Pollut Res		
15-099	Douglas J. McCauley,* Malin L. Pinsky, Stephen R. Palumbi, James A. Estes, Francis H. Joyce, Robert R. Warner	2015,	Marine defaunation: Animal loss in the global ocean	Science,	347,	
15-100	U.S. Geological Survey	2015,	gold			
15-119	Planetary resources	2015,	asteroid mining a reality	overview		
15-122	Hannah S.R. Hughes fl, Iain McDonald, Andrew C. Kerr	2015,	Platinum-group element signatures in the North Atlantic Igneous Province: Implications for mantle controls on metal budgets during continental breakup	Lithos,	xxx	xxx-xxx
15-137	Douglas J. McCauley,* Malin L. Pinsky, Stephen R. Palumbi, James A. Estes, Francis H. Joyce, Robert R. Warner	2015,	Marine defaunation: Animal loss in the global ocean.	Science,	347,	247-254?

15-178	Kristin H. Jacob · G. Lang Farmer · Robert Buchwaldt · Samuel A. Bowring	2015,	Deep crustal anatexis, magma mixing, and the generation of epizonal plutons in the Southern Rocky Mountains, Colorado	Bull volcanol,	169,	7-30.
15-244	Wolf-Achim Kahl a,□, Niels Jöns a,b, Wolfgang Bach a, Frieder Klein c, Jeffrey C. Alt d	2015,	Ultramafic clasts from the South Chamorro serpentinite mud volcano reveal a polyphase serpentinization history of the Mariana forearc mantle.	Lithos,	227,	1-20.
15-272_ISA	The International Seabed Authority	2015,	A Discussion Paper on the Development and Implementation of a Payment Mechanism in the Area	MAKING THE MOST OF DEEP SEABED MINERAL RESOURCES IN THE AREA		29p.
15-283	Nautilus Minerals	2015,	Nautilus Minerals Announces Release of Annual Results	press release	Number 2015 – 08	
15-285	Quentin Lemasson a,b,n, Brice Moignard a,b, Claire Pacheco a,b, Laurent Picho Maria Filomena Guerra	2015,	Fast mapping of gold jewellery from ancient Egypt with PIXE: Searching for hard-solders and PGE inclusions	Talanta,	143,	279-286.
15-286	Biswajit Mishra □, Pranjit Hazarika	2015,	Rare greenockite (CdS) within the chromite–PGE association in the Bangur Gabbro, Baula-Nuasahi Complex, Eastern India.	Ore Geology Reviews	xx	xxx-xxx
15-287	Elisé Sababa a,□, Paul-Désiré Ndjigui a, Sandrine A. Ebah Abengb, Paul Bilong	2015,	Geochemistry of peridotite xenoliths from the Kumba and Nyos areas (southern part of the Cameroon Volcanic Line): Implications for Au–PGE exploration.	Journal of Geochemical Exploration	152,	75-90.
15-288	A. Ford a,b,□, S.G. Hagemanna, A.S. Fogliata c, J.M. Miller a, A.Mol d, P.J. Doyle	2015,	Porphyry, epithermal, and orogenic gold prospectivity of Argentina	Ore Geology Reviews	xx	xxx-xxx
15-289	R.J. Baumgartner a, □, M.L. Fiorentini a, D. Baratoux b,e, S. Micklethwaite a, A.K. Sener c, J.P. Lorand d, T.C. McCuaig	2015,	Magmatic controls on the genesis of Ni–Cu±(PGE) sulphide mineralisation on Mars.	Ore Geology Reviews	65,	400-412.
15-291	Dionysis I. Foustoukos a,□, Michael Bizimis b, Carl Frisby b, Steven B. Shirey	2015,	Redox controls on Ni–Fe–PGE mineralization and Re/Os fractionation during serpentinization of abyssal peridotite	Geochimica et Cosmochimica Acta	150,	11-25.
15-292	Abhishek Saha a, C. Manikyamba a,□, M. Santosh b, Sohini Ganguly a, Arubam C. Khelen K.S.V. Subramanyam	2015,	Platinum Group Elements (PGE) geochemistry of komatiites	Journal of Asian Earth Sciences	xx	xxx-xxx
15-293	David C. Rubie1* and Seth A. Jacobson1	2015,	Mechanisms and Geochemical Models of Core Formation	In: Fischer, R., Terasaki, H. (eds), Deep Earth: Physics and Chemistry of the Lower Mantle and Core, AGU Monograph, in press.		
15-302	M. Rajanikanta Singh a, C. Manikyamba a,□, Jyotisankar Ray b, Sohini Ganguly c, M. Santosh d, Abhishek Saha S. Rambabu a, S.S. Sawant	2015,	Major, trace and platinum group element (PGE) geochemistry of Archean Iron Ore Group and Proterozoic Malangtoli metavolcanic rocks of Singhbhum Craton, Eastern India: Inferences on mantle melting and sulphur saturation history.	ore geology reviews	xx	xxx-xxx
15-311	Eva Ramirez-Llodra a,□, Hilde C. Trannum a, Anita Evensen b, Lisa A. Levin c, Malin Andersson Tor Erik Finne d, Ana Hilario e, Belinda Flem d, Guttorm Christensen b, Morten Schaanning a, Ann Vanreusel.	2015,	Submarine and deep-sea mine tailing placements: A review of current practices, environmental issues, natural analogs and knowledge gaps in Norway and internationally.	Marine Pollution Bulletin	xxx	xxx-xxx
15-312	Ross A. Beyer	2015,	An introduction to the data and tools of planetary geomorphology.	Geomorphology,	240,	137-145.
15-317	Ruth Keppler a,□, Klaus Ullemeyer a, Jan H. Behrmann b, Michael Stipp b, Robert M. Kurzawski b, Tomas Lokajčiek.	2015,	Crystallographic preferred orientations of exhumed subduction channel rocks from the Eclogite Zone of the Tauern Window (Eastern Alps, Austria), and implications on rock elastic anisotropies at great depths.	Tectonophysics,	647-648,	89-104.
15-325	Roberto F. Weinberg a,□, Pavlína Hasalová	2015,	Water-fluxed melting of the continental crust: A review.	Lithos,	212-215,	158-188.
15-326	Simon Day a, Pilar Llanes b, c, *, Eli Silver b, Gary Hoffmann d, Steve Ward b, Neal Driscoll	2015,	Submarine landslide deposits of the historical lateral collapse of Ritter Island, Papua New Guinea.	Marine and Petroleum Geology,	67,	419-438.
15-329	Tiago M. Alves	2015,	Submarine slide blocks and associated soft-sediment deformation in deep-water basins: A review.	Marine and Petroleum Geology,	67,	262-285.
15-333	Antonio M. Alvarez-Valero a,□, Francisco Pla b,□, Leo M. Kriegsman c, Adelina Geyer d, Henar Herrero	2015,	Observing silicic magma transport in dykes at depth of 8-19 km: Evidences from crustal xenoliths and numerical modeling.	Journal of Volcanology and Geothermal Research	296,	69-79.
15-334	Melissa D. Rotella a,□, I. Colin J.N. Wilson a, I. Simon J. Barker a,b, C. Ian Schipper Ian C. Wright c, Richard J. Wysoczanski.	2015,	Dynamics of deep submarine silicic explosive eruptions in the Kermadec arc, as reflected in pumice vesicularity textures.	Journal of Volcanology and Geothermal Research	301,	314-332.
15-341	M.L. Rainone a, S. Rusi a,□, P. Torrese	2015,	Mud volcanoes in central Italy: Subsoil characterization through a multidisciplinary approach.	Geomorphology,	234,	228-242.
15-344	J. Dóniz-Páez	2015,	Volcanic geomorphological classification of the cinder cones of Tenerife (Canary Islands, Spain).	Geomorphology,	228,	432-447.
15-345	Yuichi S. Hayakawa a,□, Takashi Oguchi a, Hitoshi Saito a,b, Akitoshi Kobayashi c, Victor R. Baker Jon D. Pelletier e, Luke A. McGuire d, Goro Komatsuf, Kazuhisa Goto	2015,	Geomorphic imprints of repeated tsunami waves in a coastal valley in northeastern Japan.	Geomorphology,	242,	3-10.

15-346	Editorial	2015,	Spatial analysis in geomorphology(1): Present directions, from collection to processing.	Geomorphology,	242,	1-2.
15-347	Christopher F. Waythomas	2015,	Geomorphic consequences of volcanic eruptions in Alaska: A review.	Geomorphology,	246,	123-145.
15-348	Arata Kioka a,□, Juichiro Ashi a, Arito Sakaguchi b, Tokiyuki Sato c, SatoruMuraoka a, Asuka Yamaguchi Hideki Hamamoto d, KelinWange, Hidekazu Tokuyama.	2015,	Possible mechanism of mud volcanism at the prism-backstop contact in the western Mediterranean Ridge Accretionary Complex.	Marine Geology,	363,	52-64.
15-351	Luluk D. Handayania,*, Bambang H. Trisasongkob, Boedi Tjahjono	2015,	Gep.prphology analysis of lava flow of Mt. Guntur in West Java using Synthetic Aperture Radar (SAR) with fully polarimetry.	Procedia Environmental Sciences,	24,	303-307.
16-004	Julia M. Ribeiro a,*, Robert J. Stern a, Katherine A. Kelley b, Alison M. Shawc Fernando Martinez d, Yasuhiko Ohara,	2015,	Composition of the slab-derived fluids released beneath the Mariana forearc: Evidence for shallow dehydration of the subducting plate.	Earth and Planetary Science Letters,	418,	136-148.
16-052	Vadim S. Kamenetsky1*, Roger H. Mitchell2, Roland Maas3, Andrea Giuliani3, Damien Gaboury4, and Liudmila Zhitova5,	2015,	Chlorine in mantle-derived carbonatite melts revealed by halite in the St.-Honore intrusion (Quebec, Canada).	geology,	43,	687-690.
16-053	John M. O'Connor1,2,3 and Wilfried Jokat1,4	2015,	Tracking the Tristan-Gough mantle plume using discrete chains of intraplate volcanic centers buried in the Walvis Ridge.	geology,	43,	715-718.
16-054	Mattia Pistone1,2, Fabio Arzilli3,4, Katherine J. Dobson5, Benoit Cordonnier6, Eric Reusser7, Peter Ulmer7, Federica Marone8, Alan G. Whittington9, Lucia Mancini3, Julie L. Fife8, and Jonathan D. Blundy2	2015,	Gas-driven filter pressing in magmas: Insights into in-situ melt segregation from crystal mushes.	geology,	43,	699-702.
16-055	Daniel J. Schulze1, Donald W. Davis2, Herwart Helmstaedt3 and Brian Joy3,	2015,	Timing of the Cenozoic "Great Hydration" event beneath the Colorado Plateau: Th-Pb dating of monazite in Navajo volcanic field metamorphic eclogite xenoliths.	geology,	43,	723-730.
16-056	Ming Tang*, Roberta L. Rudnick, William F. McDonough, Richard M. Gaschnig, and Yu Huang	2015,	Europium anomalies constrain the mass of recycled lower continental crust.	geology,	43,	703-706.
16-057	Christy B. Till1,2*, Jorge A. Vazquez2, and Jeremy W. Boyce3	2015,	Months between rejuvenation and volcanic eruption at Yellowstone caldera, Wyoming.	geology,	43,	695-698.
16-063	RichardW. Henley1†, Penelope L. King1*†, Jeremy L.Wykes1†, Christian J. Renggli1, Frank J. Brink2, David A. Clark1 and Ulrike Troitzsch1,	2015,	Porphyry copper deposit formation by sub-volcanic sulphur dioxide flux and chemisorption.	Nature geoscience	8,	210-215.
16-086	Desirée Palomino a,□, Nieves López-González a, Juan-Tomás Vázquez a, Luis-Miguel Fernández-Salas b, José-Luis Rueda a, Ricardo Sánchez-Leal b, Victor Díaz-del-Río.	2015,	Multidisciplinary study of mud volcanoes and diapirs and their relationship to seepages and bottom currents in the Gulf of Cádiz continental slope (northeastern sector).	Marine geology,	xxx,	xxx-xxx
16-087	Olivier Nadeau	2015,	Ore metals beneath volcanoes	Nature geoscience	8,	1-2.
16-092	Arata Kioka a,□, Juichiro Ashi a, Arito Sakaguchi b, Tokiyuki Sato c, SatoruMuraoka a, Asuka Yamaguchi a, Hideki Hamamoto d, KelinWange, Hidekazu Tokuyama,	2015,	Possible mechanism of mud volcanism at the prism-backstop contact in the western Mediterranean Ridge Accretionary Complex.	Marine geology,	363,	52-64.
16-110	Julia Ricci □, Pierre Lahitte, Xavier Quidelleur	2015,	Construction and destruction rates of volcanoes within tropical environment: Examples from the Basse-Terre Island (Guadeloupe, Lesser Antilles).	geomorphology	228,	597-607.
16-111	Jason R. Janke a,□, Antonio C. Bellisario a, Francisco A. Ferrando	2015,	Classification of debris-covered glaciers and rock glaciers in the Andes of central Chile.	geomorphology	241,	98-121.
16-120	Jiangxin Chen a,b, HaibinSong c,n, YongxianGuan d, ShengxiangYang d, LuisM.Pinheiro e, YangBai c, BoranLiu a,b, MinghuiGeng.	2015,	Morphologies, classification and genesis of pockmarks,mud volcanoes and associated fluid escape features in thenorthern Zhongjiannan Basin, SouthChinaSea	Deep-sea II	122,	106-117.
16-123	I. Rodríguez a, b, *, O. Roche b, S. Moune b, F. Aguilera c, E. Campos a, M. Pizarro	2015,	Evolution of Irruputuncu volcano, Central Andes, northern Chile	Journal of South American Earth Sciences	63,	385-399.
16-126	Stéphane Guillot a,□, Stéphane Schwartz a, Bruno Reynard b, Philippe Agard c, Cécile Prigent	2015,	Tectonic significance of serpentinites.	tectonophysics,	646,	1-19.
16-137	Estibalitz Ukar □, Mark Cloos	2015,	Magmatic origin of low-T mafic blueschist and greenstone blocks from the Franciscan mélange, San Simeon, California.	Lithos,	230,	17-29.
15-081	Taichi Sato*, Hirokuni Oda, Osamu Ishizuka and Kohsaku Arai	2014,	Detailed bathymetry and magnetic anomaly in the Central Ryukyu Arc, Japan: implications for a westward shift of the volcanic front after approximately 2.1 Ma	Earth, Planets and Space,	66,	
15-165	U.S. Department of State	2014,		PROVISIONAL WEB PROGRAM		
15-008	Carl Spandlera,b,*,Thomas Pettkeb,JoergHermann	2014,	Experimentalstudyoftraceelementreleaseduringultrahigh-pressure serpentinitedehydration	Earth and Planetary Science Letters	391,	296-306
15-009	Yosuke Shikakura	2014,	Marine terraces caused by fast steady uplift and small coseismic uplift and the time-predictable model: Case of Kikai Island, Ryukyu Islands,Japan	Earth and Planetary Science Letters	404,	232-237.
15-032	Giovanni Barreca	2014,	Geological and geophysical evidences for mud diapirism insouth-eastern Sicily (Italy) and geodynamic implications	Journal of Geodynamics,	xxx	xxx-xxx

(Marine volcanology, Kumamoto Univ.)

15-035	Thuy Hang Tran a,□, Kazuhiro Kato b, Hideki Wada c,□□, Kantaro Fujioka d, Hiroyuki Matsuzaki	2014,	Processes involved in calcite and aragonite precipitation during carbonate chimney formation on Conical Seamount, Mariana Forearc: Evidence from geochemistry and carbon, oxygen, and strontium isotopes	Journal of Geochemical Exploration,	137,	55-64.
15-036	Emilie Boutroy a, Sarah A.S. Dare b, Georges Beaudoin a,□, Sarah-Jane Barnes b, Peter C. Lightfoot	2014,	Magnetite composition in Ni-Cu-PGE deposits worldwide: application to mineral exploration	Journal of Geochemical Exploration	145,	64-81.
15-048	C.P. Legendre a,□, Q.-F. Chen b, L. Zhao	2014,	Lithospheric structure beneath the East China Sea revealed by Rayleigh-wave phase velocities	Journal of Asian Earth Sciences	96,	213-225.
15-051	Article reproduced from United Nations Environment Programme (UNEP) Global Environmental Alert Service (GEAS)	2014,	Wealth in the oceans: Deep sea mining on the horizon?	Environmental Development	12,	50-61.
15-080	Junichi Nakajima	2014,	Seismic attenuation beneath Kanto, Japan: evidence for high attenuation in the serpentinized subducting mantle	Earth, Planets and Space	66,	1-12.
15-086	USGS	2014,	Estimate of Undiscovered Copper Resources of the World, 2013.	Fact-sheet,	2014-3004,	
15-102	中村 威一	2014,	最新選鉱技術事情 番外編 (1) —地質—	金属資源レポート	9,	9-20.
15-120	Yan Quanshu Shi Xuefa	2014,	Petrologic perspectives on tectonic evolution of a nascent basin (Okinawa trough) behind Ryukyu arc: a review	Acta Oceanol. Sin.,	33,	1-12.
15-121	USGS	2014,	Global Platinum-Group Resources Estimated at More than 150K Metric Tons	News Release		
15-126	Hiroki MINAMI * 1, Mitsuhiro OIKAWA * 2, and Koji ITO	2014,	Newly discovered submarine volcano near the Tokara Islands†	Technical report,	51,	145-151
15-135	Kathryn J. Mengerink, 1, 2 Cindy L. Van Dover, 3 Jeff Ardron, 4 Maria Baker, 5 Elva Escobar-Briones, 6 Kristina Gjerde, 7 J. Anthony Koslow, 2 Eva Ramirez-Llodra, 8 Ana Lara-Lopez, 9 Dale Squires, 10 Tracey Sutton, 11 Andrew K. Sweetman, 12 Lisa A. Levin 2 *	2014,	A Call for Deep-Ocean Stewardship	science,	344,	696-698.
15-136	Amanda C. J. Vincent 1 and Jean M. Harris 2	2014,	Boundless no more: Ending illegal, unregulated, and unreported fishing would bring hope for ocean wildlife.	Science,	346,	420-421.
15-181	Pablo Grosse & Pablo A. Euillades & Leonardo D. Euillades & Benjamin van Wyk de Vries	2014,	A global database of composite volcano morphometry	Bull volcanol,	76,	784-800
15-182	Melissa D. Rotella & Colin J. N. Wilson & Simon J. Barker & Katharine V. Cashman & Bruce F. Houghton & Ian C. Wright	2014,	Bubble development in explosive silicic eruptions: insights from pyroclast vesicularity textures from Raoul volcano (Kermadec arc)	Bull volcanol,	76,	826-850
15-183	Ryan A. Portner & Dave A. Clague & Jennifer B. Paduan	2014,	Caldera formation and varied eruption styles on North Pacific seamounts: the clastic lithofacies record.	Bull volcanol,	76,	845-73.
15-184	J. Timothy McClinton & Scott M. White & Alice Colman & Kenneth H. Rubin & John M. Sinton	2014,	The role of crystallinity and viscosity in the formation of submarine lava flow morphology.	Bull volcanol,	76,	854-867.
15-228	Emily Maria Olesin	2014,	Vent discoveries: shallow volcanoes and new hydrothermal fields			
15-237	Joshua P. Hopper, David W. Leverington	2014,	Formation of Hrad Vallis (Mars) by low viscosity lava flows	Geomorphology,	207,	96-113.
15-242	F. Giordano a,b, M. D'Antonio a,b,□, L. Civetta a,b, S. Tonarini c, G. Orsi b, D. Ayalew d, G. Yirgu d, F. Dell'Erba b, M.A. Di Vito b, R. Isaia b	2014,	Genesis and evolution of mafic and felsic magmas at Quaternary volcanoes within the Main Ethiopian Rift: Insights from Gedemsa and Fanta 'Ale complexes.	Lithos,	188,	130-144.
15-243	Mickael Laumonier □, Bruno Scaillet, Laurent Arbaret, Rémi Champallier	2014,	Experimental simulation of magma mixing at high pressure	Lithos,	196-197,	281-300.
15-247	P.T. Harris a,□, M. Macmillan-Lawler b, J. Ruppe, E.K. Baker	2014,	Geomorphology of the oceans	Marine Geology,	352,	4-24.
15-248	S.H. Yoon a, Y.K. Sohn b, S.K. Chough c	2014,	Tectonic, sedimentary, and volcanic evolution of a back-arc basin in the East Sea (Sea of Japan).	Marine Geology,	352,	70-88.
15-249	Fang Zhao, Shiguo Wu, Qiliang Sun, Mads Huuse, Wei Li, Zhijun Wang	2014,	Submarine volcanic mounds in the Pearl River Mouth Basin, northern South China Sea.	Marine Geology,		
15-253	Keir Colbo a, Tetjana Ross a*, Craig Brown b, Tom Weber	2014,	A review of oceanographic applications of water column data from multibeam echosounders.	Estuarine, Coastal and Shelf Science	145,	41-56.
15-260	Kenji Notsu a,□, Rumi Sohrin b, Hideki Wada b, Tatsuya Tsuboi b, Hirochika Suminoc, Toshiya Mori c Urumu Tsunogai d, Pedro A. Hernández e, f, Yusuke Suzuki g, Ryoya Ikuta b, Kohei Oorui a, Masato Koyama a, h, Toshiaki Masuda a, b, Naoyuki Fujii a	2014,	Leakage of magmatic-hydrothermal volatiles from a crater bottom formed by a submarine eruption in 1989 at Teishi Knoll, Japan.	Journal of Volcanology and Geothermal Research	270,	90-98.
15-282_IS A	The International Seabed Authority	2014,	The International Seabed Authority Structure and Functioning	Fact sheet		
15-282_IS A	Lévy, Jean-Pierre	2014,	The International Seabed Authority: 20 years	The International Seabed Authority		64p
15-298	Donald A. Singer	2014,	Base and precious metal resources in seafloor massive sulfide deposits	Ore Geology Reviews	59,	66-72.
15-310	Federico Farinaa,*, Andrea Dinib, Sergio Rocchic, Gary Stevens	2014,	Extreme mineral-scale Sr isotope heterogeneity in granites by disequilibrium melting of the crust.	Earth and Planetary Science Letters	399,	103-115.

(Marine volcanology, Kumamoto Univ.)

15-337	Bernard Platevoet a, Ömer Elitok b, Hervé Guillou c, Jacques-Marie Bardintzeff a,d,f, Fuzuli Yagmurlu, Sébastien Nomade c, André Poisson a, Catherine Deniel e,f,g, Nevzat Özgür.	2014,	Petrology of Quaternary volcanic rocks and related plutonic xenoliths from Golcuk volcano, Isparta Angle, Turkey: Origin and evolution of the high-K alkaline series.	Journal of Asian Earth Sciences,	92,	53-76.
15-343	M. Favalli a,□, D. Karátsonb, J. Yepes c, L. Nannipieri	2014,	Surface fitting in geomorphology - Examples for regular-shaped volcanic landforms.	Geomorphology,	221,	139-149.
15-350	Colin M. Dundas □, Laszlo P. Keszthelyi	2014,	Emplacement and erosive effects of lava in south Kasei Valles, Mars.	Journal of Volcanology and Geothermal Research	282,	92-102.
15-352	DUNCAN D. MUIR*, JON D. BLUNDY, ALISON C. RUST AND JAMES HICKEY	2014,	Experimental constraints on dacite Pre-eruptive magma storage conditions beneath Uturuncu volcano.	Journal of Petrology,	55,	749-767.
16-034	J. D. Clemens	2014,	Element concentrations in granitic magmas: ghosts of textures past?	Journal of the Geological Society, London,	171,	13-19.
16-038	Song-Chuen Chen a,b, Shu-Kun Hsu a,f, Yunshuen Wangb, San-Hsiung Chung b, Po-Chun Chen b, Ching-Hui Tsai a, Char-Shine Liu c, Hsiao-Shan Lin a, Yuan-Wei Lee	2014,		Journal of Asian Earth Sciences,	92,	201-214.
16-082	Mikhail A. Ivanov a,b,f,1, H. Hiesinger b,1, G. Erkeling b,1, D. Reiss	2014,	Mud volcanism and morphology of impact craters in Utopia Planitia on Mars: Evidence for the ancient ocean.	Icarus,	228,	121-140.
16-096	Chris H. Okubo	2014,	Bedrock Geologic and Structural Map Through the Western Candor Colles Region of Mars.			
16-097	Chris H. Okubo	2014,	Bedrock Geologic and Structural Map Through the Western Candor Colles Region of Mars.	Scientific Investigations Map 3309		
16-114	Wolf Uwe Reimold a,b,f, Christian Koeberl c,d	2014,	Impact structures in Africa: A review	Journal of African Earth Sciences	93,	57-175.
16-125	Javier Escuder-Viruete a, *, Peter O. Baumgartner	2014,	Structural evolution and deformation kinematics of a subduction-related serpentinite-matrix melange, Santa Elena peninsula, northwest Costa Rica.	Journal of structural geology.	66,	356-381.
16-127	Lingmin Cao a,b,□, ZhiWanga,□, ShiguoWu b, Xiang Gao b	2014,	A new model of slab tear of the subducting Philippine Sea Plate associated with Kyushu-Palau Ridge subduction.	tectonophysics,	636,	158-169,
16-138	Hervé Martin a,b,c,□, Jean-François Moyen b,c,d, Martin Guitreau e, Janne Blichert-Toft f, Jean-Luc Le Pennec	2014,	Why Archaean TTG cannot be generated by MORB melting in subduction zones.	Lithos,	198-199,	1-13,
16-146	Jaime D. Barnes a,□, Marco Beltrando b, Cin-Ty A. Lee c, Miguel Cisneros a, Staci Loewy a, Emily Chin	2014,	Geochemistry of Alpine serpentinites from rifting to subduction: A view across paleogeographic domains and metamorphic grade.	Chemical Geology,	389,	29-47.
16-147	R.D. Acevedo a,b,f, J. Rabassa a,b,c, H. Corbella d, M.J. Orgeira a,e, C. Prezzi a,e, J.F. Ponce a,b, O. Martínez f, M. González-Guillot a,b,c, M. Rocca g, I. Subías	2014,	Comment on "Impact structures in Africa: A review" by Reimold and Koeberl [J. Afr. Earth Sci. 93 (2014) 57-175]	Journal of African Earth Sciences	100,	755-756.
15-125	経済産業省	2013,	海洋エネルギー・鉱物資源開発計画			43p.
15-270	織田洋一	2013,	最新の海底鉱物資源の開発動向			
13-037	Jeffrey C. Alt a,□, Esther M. Schwarzenbach b,1, Gretchen L. Früh-Green b, Wayne C. Shanks III c, Stefano M. Bernasconi b, Carlos J. Garrido d, Laura Crispini e, Laura Gaggero e, José A. Padró n-Navarta f, Claudio Marchesi,	2013,	Invited review article: The role of serpentinites in cycling of carbon and sulfur: Seafloor serpentinization and subduction metamorphism.	Lithos,	xxx	xxx
13-040	Gessner, Klaus, Gallardo, Luis A., Markwitz, Vanessa, Ring, Uwe, Thomson, Stuart N.,	2013,	What caused the denudation of the Menderes Massif: Review of crustal evolution, lithosphere structure, and dynamic topography in southwest Turkey,	Gondwana Research,		
13-043	Tomoeiki Nakakuki n, ErikaMura	2013,	Dynamics of slab rollback and induced back-arc basin formation.	Earth and Planetary Science Letters,	361,	287-297.
13-055	Nguyen Hoang*, Kozo Uto, Aki Matsumoto, Jun'ichi Itoh	2013,	Pleistocene intraplate magmatism in the Goto Islands, SW Japan: implications for mantle source evolution and regional geodynamics.	Journal of Geodynamics,	68,	1-17.
13-056	Carl Spandler □, Cassian Pirard	2013,	invited review article: Element recycling from subducting slabs to arc crust: A review.	Lithos,	170-171,	208-223.
13-077	Yojiro Yamamoto □, Koichiro Obana, Tsutomu Takahashi, Ayako Nakanishi, Shuichi Kodaira, Yoshiyuki Kaneda	2013,	Imaging of the subducted Kyushu-Palau ridge in the Hyuga-nada region, western Nankai Trough subduction zone.	Tectonophysics,	589,	90-102.
13-079	Akira Hasegawa f, Junichi Nakajima, Takahiro Yanada 1, Naoki Uchida, Tomomi Okada, Dapeng Zhao, Toru Matsuzawa, Norihito Umino	2013,	Complex slab structure and arc magmatism beneath the Japanese Islands.	Journal of Asian Earth Sciences,	xxx	xxx
15-005	Tim Prior a,b,f, Jane Daly a, Leah Mason a, Damien Giurco	2013,	Resourcing the future: Using foresight in resource governance	Geoforum,	44,	316-328.
15-010	Tony J. Pitcher f, William W.L. Cheung	2013,	Fisheries: Hope or despair?	Marine Pollution Bulletin	74,	506-516.
15-014	Carl Spandler □, Cassian Pirard	2013,	Element recycling from subducting slabs to arc crust: A review	Lithos,	170-171,	208-223.
15-016	Paraskevi Nomikou a,□, Dimitrios Papanikolaou a, Matina Alexandri Dimitris Sakellariou b, Grigoris Rousakis	2013,	Submarine volcanoes along the Aegean volcanic arc	Tectonophysics,	597-598,	123-146.

(Marine volcanology, Kumamoto Univ.)

15-017	Marina Martindale a,b, Susanne Skora a,□, Jonathan Pickles a, Tim Elliott Jonathan Blundy a, Riccardo Avanzinelli	2013,	High pressure phase relations of subducted volcanoclastic sediments from the west pacific and their implications for the geochemistry of Mariana arc magmas	Chemical Geology	342,	94-109.
15-039	Toshiro Yamanaka a,□, Kotaro Maeto a,1, Hironori Akashi a,2, Jun-Ichiro Ishibashi b, Youko Miyoshi Kei Okamura c, Takuroh Noguchi c,3, Yoshihiro Kuwahara d, Tomohiro Toki e, Urumu Tsunogai Tamaki Ura g, Takeshi Nakatani g,3, Toshihiro Maki g, Kaoru Kubokawa h,5, Hitoshi Chiba	2013,	Shallow submarine hydrothermal activity with significant contribution of magmatic water producing talc chimneys in the Wakamiko Crater of Kagoshima Bay, southern Kyushu, Japan	Journal of Volcanology and Geothermal Research	258,	74-84.
15-041	R.E. Boschen a,b,*, A.A. Rowden a, M.R. Clark a, J.P.A. Gardner	2013,	Mining of deep-sea seafloor massive sulfides: A review of the deposits, their benthic communities, impacts from mining, regulatory frameworks and management strategies	Ocean & Coastal Management	84,	54-67.
15-042	R.E. Boschen a,b,*, A.A. Rowden a, M.R. Clark a, J.P.A. Gardner	2013,	Mining of deep-sea seafloor massive sulfides: A review of the deposits, their benthic communities, impacts from mining, regulatory frameworks and management strategies	Ocean & Coastal Management	84,	54-67.
15-043	Koji Wakita	2013,	Geology and tectonics of Japanese islands: A review – The key to understanding the geology of Asia	Journal of Asian Earth Sciences	72,	75-87.
15-044	Jacques Charvet	2013,	Late Paleozoic–Mesozoic tectonic evolution of SW Japan: A review – Reappraisal of the accretionary orogeny and revalidation of the collisional model	Journal of Asian Earth Sciences	72,	88-101.
15-045	Akira Hasegawa f, Junichi Nakajima, Takahiro Yanada 1, Naoki Uchida, Tomomi Okada Dapeng Zhao, Toru Matsuzawa, Norihito Umino	2013,	Complex slab structure and arc magmatism beneath the Japanese Islands	Journal of Asian Earth Sciences	78,	277-290.
15-046	Jing-Yi Lin a,fl, Shu-Kun Hsu a, Jean-Claude Sibuet a, Chao-Shing Lee b, Chin-Wei Liang	2013,	Plate tearing in the northwestern corner of the subducting Philippine Sea Plate.	Journal of Asian Earth Sciences	70-71,	1-7.
15-047	Lingjie Zhou a,b, Zhengwei Zhang a,fl, Yujiao Li a,b, Fuhua You a,b, Chengquan Wu a,b, Chaofei Zheng	2013,	Geological and geochemical characteristics in the paleo-weathering crust sedimentary type REE deposits, western Guizhou, China	Journal of Asian Earth Sciences	73,	184-198.
15-050	Kaul Genal	2013,	Deep Sea Mining of Submarine Hydrothermal Deposits and Its Possible Environmental Impact in Manus Basin, Papua New Guinea	Procedia Earth and Planetary Science	6,	226-233.
15-083	James C. Hower, Shifeng Dai, Vladimir V. Seredin, Lei Zhao, Irena J. Kostova, Luis F.O. Silva, Sarah M. Mardon, Gulbin Gurdal.	2013,	A note on the occurrence of Yttrium and rare Earth elements in Coal combustion products.	Coal Combustion and Gasification products,	5,	39-47
15-084	William Saleu	2013,	Environmental Aspects of Deep Sea Mining with National Jurisdiction			
15-096	Frédéric Ducarme, Gloria M. Luque, Franck Courchamp.	2013,	What are “charismatic species” for conservation biologists?	BioScience Master Reviews,		
15-103	Olivier Nadeau □, John Stix, Anthony E. Williams-Jones	2013,	The behavior of Cu, Zn and Pb during magmatic-hydrothermal activity at Merapi volcano, Indonesia	Chemical Geology	342,	167-179.
15-112	Jeremy P. Richards	2013,	Giant ore deposits formed by optimal alignments and combinations of geological processes	nature geoscience,	6,	911-916
15-113	Supplementary Information	2013,	1Giant ore deposits form by optimal alignments and combinations of geological processes	nature geoscience,		
15-114	W. L. Griffin1*, G. C. Begg1,2 and Suzanne Y. O' Reilly	2013,	Continental-root control on the genesis of magmatic ore deposits	nature geoscience,	6,	905-910.
15-115	editorial	2013,	Expanding boundaries of exploration	nature geoscience,	6,	891
15-117	W. David Menzie, Yadira Soto-Viruet, Omayra Bermúdez-Lugo, Philip M. Mobbs, Alberto Alexander Perez, Mowafa Taib, Susan Wacaster, and Staff	2013,	Review of Selected Global Mineral Industries in 2011 and an Outlook to 2017	Open-file Report,	2013-1019	
15-118	Shunsuke Kashiwakura1*, Yuichi Kumagai2, Hiroshi Kubo3, Kazuaki Wagatsuma	2013,	Dissolution of Rare Earth Elements from Coal Fly Ash Particles in a Dilute H2SO4 Solvent	Open Journal of Physical Chemistry,	3,	69-75.
15-123	Zhouchuan Huang a,fl, Dapeng Zhao a,fl, Akira Hasegawa a, Norihito Umino a, Jung-Ho Park b, Ik-Bum Kang	2013,	Aseismic deep subduction of the Philippine Sea plate and slab window	Journal of Asian Earth Sciences	75,	82-94.
15-134	Philipp Neubauer,1* Olaf P. Jensen,1 Jeffrey A. Hutchings,2,3 Julia K. Baum4	2013,	Resilience and Recovery of Overexploited Marine Populations.	Science,	340,	347-349.
15-146	Jamie J. Wilkinson	2013,	Triggers for the formation of porphyry ore deposits in magmatic arcs.	nature geoscience,	6,	917-925.
15-155	Dion K. Weatherley and Richard W. Henley	2013,	erratum: Flash vaporization during earthquakes evidenced by gold deposits	nature geoscience,	6,	294-298.
15-168	M. C. S. Humphreys • M. Edmonds • M. Plail • J. Barclay • D. Parkes • T. Christopher	2013,	A new method to quantify the real supply of mafic components to a hybrid andesite	Contrib Mineral Petrol	165,	191-215.
15-169	J. Roberge • P. J. Wallace • A. J. R. Kent	2013,	Magmatic processes in the Bishop Tuff rhyolitic magma based on trace elements in melt inclusions and pumice matrix glass.	Contrib Mineral Petrol	165,	237-257.
15-170	Hitomi Nakamura • Hikaru Iwamori	2013,	Generation of adakites in a cold subduction zone due to double subducting plates.	Contrib Mineral Petrol	165,	1107-1134.
15-171	A. A. Bain • A. M. Jellinek • R. A. Wiebe	2013,	Quantitative field constraints on the dynamics of silicic magma chamber rejuvenation and overturn.	Contrib Mineral Petrol	165,	1275-1294.

(Marine volcanology, Kumamoto Univ.)

15-172	Aidan S. R. Allan · Daniel J. Morgan Colin J. N. Wilson · Marc-Alban Millet	2013,	From mush to eruption in centuries: assembly of the super-sized Oruanui magma body	Contrib Mineral Petrol	166,	143-164.
15-173	Bruce D. Marsh	2013,	On some fundamentals of igneous petrology	Contrib Mineral Petrol	166,	665-690.
15-174	Kathy Cashman · Jon Blundy	2013,	Petrological cannibalism: the chemical and textural consequences of incremental magamabody growth.	Contrib Mineral Petrol	166,	703-729.
15-175	Guilherme A. R. Gualda · Mark S. Ghiorso	2013,	The Bishop Tuff giant magma body: an alternative to the Standard Model.	Contrib Mineral Petrol	166,	755-775.
15-176	Fanny Sorbadere · Pierre Schiano · Nicole Me' trich · Antonella Bertagnini	2013,	Small-scale coexistence of island-arc and enriched-MORB-type basalts in the central Vanuatu arc.	Contrib Mineral Petrol	166,	1305-1321.
15-177	Sarah E. Gelman · Chad D. Deering · Francisco J. Gutierrez · Olivier Bachmann	2013,	Evolution of the Taupo Volcanic Center, New Zealand: petrological and thermal constraints from the Omega dacite	Contrib Mineral Petrol	166,	1355-1374.
15-196	F. G. O'Neill1*, S. M. Simmons2, D. R. Parsons2, J. L. Best3, P. J. Copland1, F. Armstrong1, M. Breen1, and K. Summerbell1	2013,	Monitoring the generation and evolution of the sediment plume behind towed fishing gears using a multibeam echosounder.	ICES Journal of Marine Science,	70,	892-903.
15-203	S. J. BARKER1*, C. J. N. WILSON1, J. A. BAKER1, M. A. MILLET1, M. D. ROTELLA1, I. C. WRIGHT2 AND R. J. WYSOCZANSKI1,3	2013,	Geochemistry and Petrogenesis of Silicic Magmas in the Intra-Oceanic Kermadec Arc.	Journal of Petrology,	54,	351-391.
15-204	JON DAVIDSON1*, SIMON TURNER2 AND TERRY PLANK3	2013,	Dy/Dy*: Variations Arising from Mantle Sources and Petrogenetic Processes.	Journal of Petrology,	54,	525-537.
15-205	AYLA S. PAMUKCU1*, TAMARA L. CARLEY1, GUILHERME A. R. GUALDA1, CALVIN F. MILLER1 AND CHARLES A. FERGUSON2.	2013,	The Evolution of the Peach Spring Giant Magma Body: Evidence from Accessory Mineral Textures and Compositions, Bulk Pumice and Glass Geochemistry, and Rhyolite-MELTS Modeling.	Journal of Petrology,	54,	1109-1148.
15-206	CLAUS SIEBE*	2013,	"The Process of Melt Differentiation in Arc	Journal of Petrology,	54,	1547-
15-207	SUSANNE M. STRAUB1*, ARTURO GOÑEZ-TUENA2, GEORG F. ZELLMER3, RAMON ESPINASA-PEREN4, A4, FINLAY M. STUART5, YUE CAI6, CHARLES H. LANGMUIR7, ANA LILLIAN MARTIN-DEL POZZOS AND GARY T. MESKO1	2013,	Volcanic Rocks: Insights from OIB-type Arc	Journal of Petrology,	54,	665-701.
15-208	SUSANNE M. STRAUB1*, ARTURO GOÑEZ-TUENA2, GEORG F. ZELLMER3, RAMON ESPINASA-PEREN4, A4, FINLAY M. STUART5, YUE CAI6, CHARLES H. LANGMUIR7, ANA LILLIAN MARTIN-DEL POZZOS AND GARY T. MESKO1	2013,	Magmas in the Central Mexican Volcanic Belt*	Journal of Petrology,	54,	1551-1554.
15-209	JACK WILCOCK1, FRASER GOFF2, WILLIAM G. MINARIK1 AND JOHN STIX	2013,	by Straub et al., A Critical Comment	Journal of Petrology,	54,	635-664.
15-214	W. L. Griffin1*, G. C. Begg1,2 and Suzanne Y. O' Reilly	2013,	Continental-root control on the genesis of magmatic ore deposits.	nature geoscience,	6,	905-910.
15-239	Bruno Reynard	2013,	Serpentine in active subduction zones.	Lithos,	178,	171-185.
15-241	Fabien Deschamps a, □, Marguerite Godard a, Sté phane Guillot b, Kéiko Hattori	2013,	Geochemistry of subduction zone serpentinites: A review	Lithos,	178,	96-127.
15-246	Chungwan Lima, b, □, Insung Lee b, Ken Ikehara	2013,	Geochemical identification of cryptotephra using INAA from Late Quaternary hemipelagic sediments, southwest Japan.	Marine Geology,	345,	233-345.
15-250	P.A. Ashwell □, B.M. Kennedy, D.M. Gravelly, F.W. von Aulock, J.W. Cole	2013,	Insights into caldera and regional structures and magma body distribution from lava domes at Rotorua Caldera, New Zealand.	Journal of Volcanology and Geothermal Research	258,	187-202.
15-251	Ken-ichi Hirauchi □, I, Ikuo Katayama	2013,	Rheological contrast between serpentine species and implications for slab-mantle wedge decoupling.	Tectonophysics,	608,	545-551.
15-259	Dávid Karátson a, □, Tamás Telbisz a, Szabolcs Harangi b, Enikő Magyarai c, István Dunkl d, Balázs Kiss b, Csaba Jánosi e, Daniel Veres f, g, Mihály Braun h, Emőke Fodor a, Tamás Biró a, Szabolcs Kósik a, Hilmar von Eynatten d, Ding Lin i	2013,	Morphometrical and geochronological constraints on the youngest eruptive activity in East-Central Europe at the Ciomadul (Csomád) lava dome complex, East Carpathians.	Journal of Volcanology and Geothermal Research	255,	43-56.
15-262	Koji Wakita	2013,	Geology and tectonics of Japanese islands: A review – The key to understanding the geology of Asia	Journal of Asian Earth Sciences	72,	75-87.
15-267	SHINJI ISHIGURO YOSHIKI YAMAUCHI HIROYUKI ODAKA SEIGO AKIYAMA	2013,	Development of Mining Element Engineering Test Machine for Operating in Seafloor Hydrothermal Deposits .	Mitsubishi Heavy Industries Technical Review	50,	21-26.
15-268	Richard Herrington	2013,	Road map to mineral supply	nature geoscience,	6,	892-894.
15-271_ISA	The International Seabed Authority	2013,	CONSOLIDATED REGULATIONS AND RECOMMENDATIONS ON PROSPECTING AND EXPLORATION.			
15-273_ISA	Secretariat of the Pacific Community	2013,	Deep Sea Minerals and the Green Economy.	Deep Sea Minerals: Baker, E. and Beaudoin, Y. (Eds.)	2,	122p.

15-274_IS A	Secretariat of the Pacific Community	2013,	Summary Highlights	Deep Sea Minerals: Baker, E. and Beaudoin, Y. (Eds.)	SH	11p.
15-275_IS A	Secretariat of the Pacific Community	2013,	Sea-Floor Massive Sulphides, a physical, biological, environmental, and technical review.	Deep Sea Minerals: Baker, E. and Beaudoin, Y. (Eds.)	1A	51p.
15-276_IS A	Secretariat of the Pacific Community	2013,	Manganese Nodules, a physical, biological, environmental, and technical review.	Deep Sea Minerals: Baker, E. and Beaudoin, Y. (Eds.)	1B	51p.
15-277_IS A	Secretariat of the Pacific Community	2013,	Cobalt-rich Ferromanganese Crusts, a physical, biological, environmental, and technical review.	Deep Sea Minerals: Baker, E. and Beaudoin, Y. (Eds.)	1C	49p.
15-278_IS A	GRID-Arendal	2013,	Environmental Knowledge for Change	http://www.grida.no/[2014/01/06 9:21:19]		
15-296	The International Seabed Authority	2013,	International Seabed Authority: Handbook 2013	International Seabed		94p.
15-299	Tim Prior a,b,†, Jane Daly a, Leah Mason a, Damien Giurco a	2013,	Resourcing the future: Using foresight in resource governance	Geoforum,	44,	316-328.
15-300	V. Sheoran a, □, A. S.Sheoran b, P. Poonia	2013,	Phytomining of gold: A review	Journal of Geochemical exploration,	128,	42-50.
15-301	James R. Hein a, □, Kira Mizell a, Andrea Koschinsky b, Tracey A. Conrad	2013,	Deep-ocean mineral deposits as a source of critical metals for high- and green-technology applications: Comparison with land-based resources.	ore geology reviews	51,	1-14.
15-301	Frédéric Ducarme, Gloria M. Luque, Franck Courchamp	2013,	What are "charismatic species" for conservation biologists?	BioScience Master Reviews,		1-8.
15-309	Paul S.Savage a,b,n, R.BastianGeorg c, HelenM.Williams d, AlexN.Halliday,	2013,	Silicon isotopes in granulite xenoliths : Insights into isotopic fractionation during igneous processes and the composition of the deep continental crust.	Earth and Planetary Science Letters	365,	221-231.
15-314	Andrew G. Tomkins †, Roberto F. Weinberg, Bruce F. Schaefer 1, Andrew Langendam	2013,	Disequilibrium melting and melt migration driven by impacts: Implications for rapid planetesimal core formation.	Geochimica et Cosmochimica Acta,	100,	41-59.
15-316	Paraskevi Nomikou a,□, Dimitrios Papanikolaou a, Matina Alexandri Dimitris Sakellariou b, Grigoris Rousakis	2013,	Submarine volcanoes along the Aegean volcanic arc.	Tectonophysics,	597-598,	123-146.
15-327	Hiroki Ichikawa a,□, Kenji Kawai b, Shinji Yamamoto c, Masanori Kameyama	2013,	Supply rate of continental materials to the deep mantle through subduction channels.	Tectonophysics,	592,	46-52.
15-328	L. Driehaus a,b, T. Nalpas a,□, P.R. Cobbolda, B. Gelabert c, F. Sàbat	2013,	Effects of margin-parallel shortening and density contrasts on back-arc extension during subduction: Experimental insights and possible application to Anatolia.	Tectonophysics,	608,	288-302.
15-330	Chao Zhanga,*, Francois Holtza, Jürgen Koepkea, Paul Eric Wolffa, Changqian Mab, Jean H. Bé dardc	2013,	Constraints from experimental melting of amphibolite on the depth of formation of garnet-rich restites, and implications for models of Early Archean crustal growth.	Precambrian Research,	231,	206-217.
15-336	Z. Karacık †, S. C. Genç, F. Gülmez	2013,	Petrochemical features of Miocene volcanism around the Cubukludag graben and Karaburun peninsula, western Turkey: Implications for crustal melting related silicic volcanism.	Journal of Asian Earth Sciences	73,	199-217.
15-342	Natalia I. Deligne a,□, Katharine V. Cashman a,b, Joshua J. Roering	2013,	After the lava flow: The importance of external soil sources for plant colonization of recent lava flows in the central Oregon Cascades, UAS.	Geomorphology,	202,	15-32.
16-003	Margarete A. Jadamec a,*, Magali I. Billen b, Sarah M. Roeske,	2013,	Three-dimensional numerical models of flat slab subduction and the Denali fault driving deformation in south-centrl Alaska.	Earth and planetary Science Letters,	376,	29-42.
16-021	Umberta Tinivella and Michela Giustiniani	2013,	An Overview of Mud Volcanoes Associated to Gas Hydrate System.	Updates in Volcanology - New Advances in Understanding Volcanic Systems		225-267.
16-061	S. Goderis a,b,†, R. Tagle c, J. Belza a, J. Smit d, A. Montanari e, F. Vanhaecke b, J. Erzinger f, Ph. Claeys a	2013,	Reevaluation of siderophile element abundances and ratios across the Cretaceous–Paleogene (K–Pg) boundary: Implications for the nature of the projectile.	Geochimica et Cosmochimica Acta	120,	417-446.
16-119	A.J. Barber	2013,	The origin of melanges: cautionary tales from Indonesia.	Joyrnal of Asian Earth Sciences,	76,	428-438.
16-134	G. Gennari a,□, S. Spezzaferri a, M.C. Comas b, A. Rüggeberg a,c,d, C. Lopez-Rodriguez b, L.M. Pinheiro	2013,	Sedimentary sources of the mud-breccia and mud volcanic activity in the Western Alboran Basin.	Marine geology,	339,	83-95.
16-154	Ken-ichi Hirauchi*, Sabine A.M. den Hartog, and Christopher J. Spiers	2013,	Weakening of the slab-mantle wedge interface induced by metasomatic growth of talc.	geology,	41,	75-78.
16-156	Keri A. Vinas	2013,	Mariana Forearc Crust CORK Pressure Data: Observations and Implications.	Univeresity of Miami Scholarly Repository Open Access Theses		36 p.p.
16-169	Reiko Ide □, Hiroyuki Oguma	2013,	A cost-effective monitoring method using digital time-lapse cameras for detecting temporal and spatial variations of snowmelt and vegetation phenology in alpine ecosystems.	Ecological Informatics	16,	25-34.
16-169	Reiko Ide □, Hiroyuki Oguma	2013,	A cost-effective monitoring method using digital time-lapse cameras for detecting temporal and spatial variations of snowmelt and vegetation phenology in alpine ecosystems.	Ecological Informatics	16,	25-34.
13-014	守屋以智雄、	2012、	世界の火山地形。	世界の火山地形。	東京大学出版会	289 p
13-024	Greg A. Valentine,	2012、	Shallow plumbing systems for small-volume basaltic volcanoes, 2: Evidence from crustal xenoliths at scoria cones and maars.	Journal of Volcanology and Geothermal Research,	223-224,	47-63.
13-051	Cong-Ying Li a,d,□, Hong Zhang a,e, Fang-Yue Wang b, Ji-Qiang Liu c, Ya-Li Sun a, Xi-Luo Hao f, Yi-Liang Li f, Weidong Sun	2012、	The formation of the Dabaoshan porphyry molybdenum deposit induced by slab rollback.	Lithos,	150、	101-110.
15-082	経済産業省	2012、	海洋資源のフロンティア！	経済産業ジャーナル		
15-284	金属資源技術部運航計画課	2012、	海洋鉱物資源の開発に向けた調査の取り組み			



12-002	David L. Kidder and Thomas R. Worsley*	2012,	A human-induced hothouse climate?	GSA today	22,	4-11
12-003	Christian Huber <sup>1</sup> , Olivier Bachmann <sup>2</sup> , and Josef Dufek <sup>1</sup>	2012,	Crystal-poor versus crystal-rich ignimbrites: A competition between stirring and reactivation	Geology,	40,	115-118.
12-005	Jeff Peakall, Ian A. Kane, Doug G. Masson, Gareth Keevil, William McCaffrey and Ransome Corney	2012,	Global (latitudinal) variation in submarine channel sinuosity	Geology,	40,	11-14.
12-006	W.W. Chadwick, Jr. <sup>1*</sup> , R.P. Dziak <sup>1</sup> , J.H. Haxell <sup>1</sup> , R.W. Embley <sup>2</sup> , and H. Matsumoto <sup>1</sup>	2012,	Submarine landslide triggered by volcanic eruption recorded by in situ hydrophone	Geology,	40,	51-54.
12-007	Isobel Yeo <sup>1*</sup> , Roger C. Searle <sup>1</sup> , Kay L. Achenbach <sup>1</sup> , Tim P. Le Bas <sup>2</sup> , and Bramley J. Murton <sup>2</sup>	2012,	Eruptive hummocks: Building blocks of the upper ocean crust	Geology,	40,	91-94.
12-008	Tyrone O. Rooney, Claude Herzberg and Ian D. Bastow	2012,	Elevated mantle temperature beneath East Africa	Geology,	40,	27-30.
12-009	Hamed Sanei, Stephen E. Grasby and Benoit Beauchamp	2012,	Latest Permian mercury anomalies	geology,	40,	63-66.
12-010	Matteo Masotta · Carmela Freda · Mario Gaeta	2012,	Origin of crystal-poor, differentiated magmas: insights from thermal gradient experiments	Contrib Mineral Petrol	163,	49-65.
12-013	Vlad C. Manea, Marta Pérez-Gussinyé and Marina Manea	2012,	Chilean flat slab subduction controlled by overriding plate thickness and trench rollback	Geology,	40,	35-38.
12-052	鐵鋼スラグ協会	2012,	鉄鋼スラグの化学的特性：鉄鋼スラグについて	<a href="http://www.slg.jp/slag/character.html">http://www.slg.jp/slag/character.html</a> [2012/02/14]		
12-066	Ayşe Gungor a, <sup>1</sup> , Gwang H. Lee a, <sup>□</sup> , Han-J. Kim b, Hyun-C. Han c, Moo-H. Kang c, Jinho Kim c, Don Sunwoo	2012,	Structural characteristics of the northern Okinawa Trough and adjacent areas from Structural characteristics of the northern Okinawa Trough and adjacent areas from	Tectonophysics,	522-523,	198-207.
12-090	JA <sup>□</sup> NOS KODOLA <sup>□</sup> NYI <sup>1*</sup> , THOMAS PETTKE <sup>1</sup> , CARL SPANDLER <sup>1</sup> , BALZ S. KAMBER <sup>2</sup> AND KATALIN GME <sup>□</sup> LING <sup>3</sup>	2012,	Geochemistry of ocean floor and fore-arc serpentinites: Constraints on the Ultramafic input to Subduction zones.	Jour. Petrol.,	53,	235-270.
12-092	A.V. ZERNACK <sup>1*</sup> , R. C. PRICE <sup>2</sup> , I. E. M. SMITH <sup>3</sup> , S. J. CRONIN <sup>1</sup> AND R. B. STEWART <sup>1</sup>	2012,	Temporal evolution of a high-K andesitic magmatic system: Taranaki Volcano, New Zealand.	Jour. Petrol.,	53,	325-363.
12-219	MARIA KIRCHENBAUR <sup>1,2*</sup> , CARSTEN MÜNKER <sup>2</sup> , STEPHAN SCHUTH <sup>3,4</sup> , DIETER GARBE-SCHÖNBERG <sup>5</sup> AND PETER MARCHEV	2012,	Tectonomagmatic Constraints on the Sources of Eastern Mediterranean K-rich Lavas.	Jour. Petrol.,	53,	27-65.
12-220	MURIEL LAUBIER*, ALLISON GALE AND CHARLES H. LANGMUIR	2012,	Melting and crustal processes at the FAMOUS segment (Mid-Atlantic Ridge): New insights from olivine-hosted melt inclusions from multiple samples.	Jour. Petrol.,	53,	665-698.
12-223	GUILHERME A. R. GUALDA <sup>1*</sup> , MARK S. GHIORSO <sup>2</sup> ROBIN V. LEMONS <sup>1</sup> AND TAMARA L. CARLEY <sup>1</sup>	2012,	Rhyolite-MELTS: A modified calibration of MELTS optimized for silica-rich, Fluid-bearing magmatic systems.	Jour. Petrol.,	53,	875-890.
12-225	PARAMPREET KAURI <sup>1,2*</sup> , NAVEEN CHAUDHRI <sup>1</sup> , ALBRECHT W. HOFMANN <sup>2</sup> , INGRID RACZEK <sup>2</sup> , MARTINOKRUSCH <sup>3</sup> SUSANNE SKORA <sup>4</sup> AND LUKAS P. BAUMGARTNER <sup>4</sup>	2012,	Two-stage, extreme albitization of A-type granites from Rajasthan, NW India.	Jour. Petrol.,	53,	919-948.
12-241	S. R. Allen & A. Freundt & K. Kurokawa	2012,	Characteristics of submarine pumice-rich density current deposits sourced from turbulent mixing of subaerial pyroclastic flows at the shoreline: Field and Experimental assessment.	Bull Volcanol,	74,	657-675.
12-242	Natalia Pardo & Shane J. Cronin & Alan S. Palmer & Karoly Németh	2012,	Reconstructing the largest explosive eruptions of Mt. Ruapehu, New Zealand: lithostratigraphic tools to understand subplinian-plinian eruptions at andesitic volcanoes.	Bull Volcanol,	74,	617-640.
12-244	Julia Eychenne & Jean-Luc Le Pennec & Liliana Troncoso & Mathieu Gouhier & Jean-Marie Nedelec,	2012,	Causes and consequences of bimodal grain-size distribution of tephra fall deposited during the August 2006 Tungurahua eruption (Ecuador).	Bull Volcanol,	74,	187-205.
12-246	Hiroki Sonea,* , Toshihiko Shimamoto <sup>b</sup> , Diane E. Moore <sup>c</sup>	2012,	Frictional properties of saponite-rich gouge from a serpentinite-bearing fault zone along the Gokasho-Arashima Tectonic Line, central Japan.	Journal of Structural Geology	38,	172-182.
12-248	Jens C. Grimmer <sup>□</sup> , Reinhard O. Greiling	2012,	Serpentinites and low-K island arc meta-volcanic rocks in the Lower Kôli Nappe of the central Scandinavian Caledonides: Late Cambrian-early Ordovician serpentinite mud volcanoes in a forearc basin?	Tectonophysics,	541-543,	19-30.
12-251	Hidetsugu Yoshida a, <sup>□</sup> , Toshihiko Sugai b, Hiroo Ohmori	2012,	Size-distance relationships for hummocks on volcanic rockslide-debris avalanche deposits in Japan.	Geomorphology,	136,	76-87.
12-252	Thomas Platz a,b, <sup>□</sup> , Shane J. Cronin b, Jonathan N. Procter b, Vincent E. Neall b, Stephen F. Foley	2012,	Non-explosive, dome-forming eruptions at Mt. Taranaki, New Zealand	Geomorphology,	136,	15-30.
12-255	Qigui Mao a,b, Wenjiao Xiao b, <sup>□</sup> , Tonghui Fang a, Jingbin Wang a, Chunming Han b, Min Sun c, Chao Yuan d	2012,	Late Ordovician to early Devonian adakites and Nb-enriched basalts in the Liuyuan area, Beishan, NW China: Implications for early Paleozoic slab-melting and crustal growth in the southern Altai.	Gondwana Research	22,	534-553.
12-259	Brian Hitz, John Wakabayashi	2012,	Unmetamorphosed sedimentary mélange with high-pressure metamorphic blocks in a nascent forearc basin setting.	Tectonophysics,	568-569,	124-134.

(Marine volcanology, Kumamoto Univ.)

12-268	Tiffany Salvany a,b, Pierre Lahitte a,□, Pierre Nativel, Pierre-Yves Gillot	2012,	Geomorphic evolution of the Piton des Neiges volcano (Réunion Island, Indian Ocean): Competition between volcanic construction and erosion since 1.4 Ma.	Geomorphology,	136,	132-147.
12-271	Sonja Pabst a,□, Thomas Zack b, Ivan P. Savov c, Thomas Ludwig a, Detlef Rost, Sonia Tonarini e, Edward P. Vicenzi	2012,	The fate of subducted oceanic slabs in the shallow mantle: Insights from boron isotopes and light element composition of metasomatized blueschists from the Mariana forearc.	Lithos,	132-133,	162-179.
12-275	John Wakabayashi	2012,	Subducted sedimentary serpentinite mélanges: Record of multiple burial–exhumation cycles and subduction erosion.	Tectonophysics,	568-569,	230-247.
12-350	Maria Izquierdo a,□, Xavier Querol	2012,	Leaching behaviour of elements from coal combustion fly ash: An overview	International Journal of coal geology,	94,	54-66.
12-353	Sarah C. Wormald a,□, Ian C. Wright b, Jonathan M. Bull a, Geoffroy Lamarche c, David J. Sanderson	2012,	Morphometric analysis of the submarine arc volcano Monowai (Tofua–Kermadec Arc) to decipher tectono-magmatic interactions	Journal of volcanology and Geothermal Research,	239-240,	69-82.
12-357	Ben S. Ellis □, John A. Wolff	2012,	Complex storage of rhyolite in the central Snake River Plain	Journal of Volcanology and Geothermal Research,	211-212,	1-11.
12-358	Alessandro Fornaciari a,□, Massimiliano Favalli a, Dávid Karátson b, Simone Tarquini a, Enzo Boschi	2012,	Morphometry of scoria cones, and their relation to geodynamic setting: A DEM-based analysis.	Journal of Volcanology and Geothermal Research,	217-218,	56-72.
12-359	Greg A. Valentine	2012,	Shallow plumbing systems for small-volume basaltic volcanoes, 2: Evidence from crustal xenoliths at scoria cones and maars.	Journal of Volcanology and Geothermal Research,	223-224,	47-63.
12-361	P.M. Gregg a,□, S.L. de Silva a, E.B. Grosfils b, J.P. Parmigiani	2012,	Catastrophic caldera-forming eruptions: Thermomechanics and implications for eruption triggering and maximum caldera dimensions on Earth.	Journal of Volcanology and Geothermal Research,	242-242,	1-12.
12-489	Timothy L. Grove,1 Christy B. Till, and Michael J. Krawczynski1,3,	2012,	The role of H <sub>2</sub> O in subduction zone magmatism.	Annu. Rev. Earth Planet. Sci.,	40,	413-439.
12-490	Michael J. Krawczynski · Timothy L. Grove Harald Behrens	2012,	Amphibole stability in primitive arc magmas: effects of temperature, H <sub>2</sub> O content, and oxygen fugacity.	Contrib Mineral Petrol	164,	317-339.
12-501	Filippo Ridolfi · Alberto Renzulli	2012,	Calcic amphiboles in calc-alkaline and alkaline magmas: thermobarometric and chemometric empirical equations valid up to 1130 °C and 2.2 Gpa.	Contrib Mineral Petrol	163,	877-895.
12-502	Mathias Dessimoz · Othmar Muñtner · Peter Ulmer,	2012,	A case for hornblende dominated fractionation of arc magmas: the Chelan Complex (Washington Cascades).	Contrib Mineral Petrol	163,	567-589.
12-509	Olivier Bachmann · Chad D. Deering Janina S. Ruprecht · Christian Huber · Alexandra Skopelitis · Cedric Schnyder,	2012,	Evolution of silicic magmas in the Kos-Nisyros volcanic center, Greece: a petrological cycle associated with caldera collapse.	Contrib Mineral Petrol	163,	151-166.
12-613	Pierre Lahitte □, Agnès Samper 1, Xavier Quidelleur	2012,	DEM-based reconstruction of southern Basse-Terre volcanoes (Guadeloupe archipelago, FWI): Contribution to the Lesser Antilles Arc construction rates and magma production.	Geomorphology,	136,	148-164.
12-626	Gong-Jian Tang a,b, Qiang Wang a,□, Derek A. Wyman c, Zheng-Xiang Li d, Yi-Gang Xu a, Zhen-Hua Zhao	2012,	Metasomatized lithosphere–asthenosphere interaction during slab roll-back: Evidence from Late Carboniferous gabbros in the Luotougou area, Central Tianshan	Lithos,	155,	67-80.
13-025	Mathias Dessimoz · Othmar Muñtner · Peter Ulmer,	2012,	A case for hornblende dominated fractionation of arc magmas: the Chelan Complex (Washington Cascades).	Contrib Mineral Petrol.,	163,	567–589.
13-029	Nobuo Geshi & Valerio Aococella & Joel Ruch	2012,	From structure- to erosion-controlled subsiding calderas: evidence thresholds and mechanics.	Bull Volcanol.,	74,	1553-1567.
13-030	Rubin, K.H., S.A. Soule, W.W. Chadwick Jr., D.J. Fornari, D.A. Clague, R.W. Embley, E.T. Baker, M.R. Perfit, D.W. Caress, and R.P. Dziak.	2012,	Volcanic eruptions in the deep sea.	Oceanography,	25,	142-157.
13-041	Gideon Rosenbaum a,□, Luca Menegon b, Johannes Glodny c, Paulo Vasconcelos a, Uwe Ring d, Matteo Massironi e, David Thiede a, Pritam Nasipuri.	2012,	Dating deformation in the Gran Paradiso Massif (NW Italian Alps): Implications for the exhumation of high-pressure rocks in a collisional belt.	Lithos,	144-145,	130-144.
13-047	Yen-Ting Ko a,b, Ban-YuanKuo a,c,n, Kuo-LungWanga, Shu-ChuanLin a, Shu-HueiHung,	2012,	The southwestern edge of the Ryukyu subduction zone: A high Q mantle wedge.	Earth and Planetary Science Letters,	335-336,	145-153.
13-048	Paterno R. Castillo,	2012,	Adakite petrogenesis.	Lithos,	134-135,	304-316.
13-049	C.D. Deering a,□, T.W. Horton b, D.M. Gravelly b, J.W. Cole	2012,	Hornblende, cummingtonite, and biotite hydrogen isotopes: Direct evidence of slab-derived fluid flux in silicic magmas of the Taupo Volcanic Zone, New Zealand.	Journal of Volcanology and Geothermal Research,	233-234,	27-36.
13-050	Susanne M. Straub a,□, Georg F. Zellmer	2012,	Volcanic arcs as archives of plate tectonic change.	Gondwana Research,	21,	495-516.
13-058	Nicholas T. Arndt and Euan G. Nisbe,	2012,	Processes on the young Earth and the habitats of early life.	Annu. Rev. Earth Planet.	40,	521-549.
13-059	Timothy L. Grove, Christy B. Till, and Michael J. Krawczynski,	2012,	The role of H <sub>2</sub> O in subduction zone magmatism.	Annu. Rev. Earth Planet. Sci.,	40,	413-439.
13-072	Yi-Gang Xu a,□, Hui-Huang Zhang a,b, Hua-Ning Qiu a, Wen-Chun Ge c, Fu-Yuan Wu	2012,	Oceanic crust components in continental basalts from Shuangliao, Northeast China: Derived from the mantle transition zone?	Chemical Geology,	328,	168-184.
13-080	Dapeng Zhao, T. Yanada, A. Hasegawa, N. Umino and Wei Wei	2012,	Imaging the subducting slabs and mantle upwelling under the Japan Islands.	Geophysical Journal International,	190,	816-828.
15-007	Marco Brenna a,□, Shane J. Cronin a, Ian E.M. Smith b, Young Kwan Sohn c, Roland Maas	2012,	Spatio-temporal evolution of a dispersed magmatic system and its implications for volcano growth, Jeju Island Volcanic Field, Korea	Lithos,	148,	337-352.

15-012	Elliott A.Norse a,n, SandraBrooke a, WilliamW.L.Cheung b, MalcolmR.Clark c, IvarEkeland Rainer Froese e, KristinaM.Gjerde f, RichardL.Haedrich g, SelinaS.Heppell h, TelmoMorato I Lance E.Morgan k, DanielPauly l, RashidSumaila l, RegWatson	2012,	Sustainability of deep-sea fisheries	Marine Policy, 42,	36,	307-320.
15-020	Marco Bonini	2012,	Mud volcanoes: Indicators of stress orientation and tectonic controls	Earth-Science Reviews,	115,	121-152.
15-024	metal-powder.net	2012,	Conflict minerals –what it means for PM	MPR		16,18,19
15-026	Ayse Gungor a,1, Gwang H. Lee a,□, Han-J. Kim b, Hyun-C. Han c, Moo-H. Kang c, Jinho Kim c, Don Sunwoo	2012,	Structural characteristics of the northern Okinawa Trough and adjacent areas from regional seismic reflection data: Geologic and tectonic implications	Tectonophysics,	522-523,	198-207.
15-033	Raimund Bleischwitz a,n,1, MonikaDittrich b,2, ChiaraPierdicca	2012,	Coltan fromCentralAfrica,internationaltradeandimplicationsfor any certification	Resources Policy, 37,	37,	19-29.
15-037	Takeshi Tsuji a,b,□, Ken Takai b, Hisashi Oiwane c, Yasuyuki Nakamura c, Yuka Masaki b,d, Hidenori Kumagai Masataka Kinoshita b, Fujio Yamamoto b, Tadashi Okano b, Shin'ichi Kuramoto b	2012,	Hydrothermal fluid flow system around the Iheya North Knoll in the mid-Okinawa trough based on seismic reflection data	Journal of Volcanology and Geothermal Research	213-214,	41-50.
15-038	Sarah C. Wormald a,□, Ian C. Wright b, Jonathan M. Bull a, Geoffroy Lamarche c, David J. Sanderson	2012,	Morphometric analysis of the submarine arc volcano Monowai (Tofua–Kermadec Arc) to decipher tectono-magmatic interactions	Journal of Volcanology and Geothermal Research	239-240,	69-82.
15-040	T. Prior a,c,*; D. Giurco a, G. Muddb, L. Mason a, J. Behrisch	2012,	Resource depletion, peak minerals and the implications for sustainable resource management	Global Environmental Change	22,	577-587.
15-068	Martin Elvis	2012,	Let's mine asteroids - for science and profit	Nature,	485,	549
15-088	Dapeng Zhao, T. Yanada, A. Hasegawa, N. Umino and Wei Wei	2012,	Imaging the subducting slabs and mantle upwelling under the Japan Islands.	Geophysical Journal International,	190,	816-828.
15-093	JAA NOS KODOLA□ NYI1*,THOMAS PETTKE1, CARL SPANDLER1 BALZ S. KAMBER2 AND KATALIN GME□ LING3	2012,	Geochemistry of Ocean Floor and Fore-arc Serpentinites: Constraints on the Ultramafic Input to Subduction Zones.	Journal of Petrology,	53,	235-270.
15-097	Horst R. Marschall1,2* and John C. Schumacher3	2012,	Arc magmas sourced from mélange diapirs in subduction zones	nature geoscience,	5,	862-867.
15-108	Pere Puig1, Miquel Canals2, Joan B. Company1, Jacobo Martí'n1, David Amblas2, Galderic Lastras2, Albert & Palanques1 Antoni M. Calafat2	2012,	Ploughing the deep sea floor	Nature,	489,	286-290.
15-110	J.M. Ekmann1	2012,	Rare Earth Elements in Coal Deposits – a Prospectivity Analysis			
15-132	Christopher Costello,1* Daniel Ovando,1 Ray Hilborn,2 Steven D. Gaines,1 Olivier Deschenes,3 Sarah E. Lester1,4	2012,	Status and Solutions for the World's Unassessed Fisheries	Science,	338	517-520.
15-133	Ellen K. Pikitch	2012,	The Risks of Overfishing	science,	338,	474-475.
15-142	David R. Wilburn	2012,	Global Exploration and Production Capacity for Platinum-Group Metals From 1995 Through 2015	Scientific Investigations Report	2012–5164	
15-143	TATSUKI TSUJIMORI1,* and GEORGE E. HARLOW	2012,	Petrogenetic relationships between jadeitite and associated high-pressure and low-temperature metamorphic rocks in worldwide jadeitite localities: a review	Eur. J. Mineral,	24,	371-390.
15-158	Fernando Martinez* & Brian Taylor†	2012,	Mantle wedge control on back-arc crustal accretion.	nature,	416,	417-420.
15-160	Di Iorio, D., J.W. Lavelle, P.A. Rona, K. Bemis, G. Xu, L.N. Germanovich, R.P. Lowell, and G. Genc.	2012,	Measurements and Models of Heat Flux and Plumes from Hydrothermal Discharges Near the Deep Seafloor	oceanography,	25,	168-179.
15-167	Yanbo Cheng · Carl Spandler Jingwen Mao · Brian G. Rusk	2012,	Granite, gabbro and mafic microgranular enclaves in the Gejiu area, Yunnan Province, China: a case of two-stage mixing of crust- and mantle-derived magmas	Contrib Mineral Petrol	164,	659-676.
15-180	S. R. Allen & A. Freundt & K. Kurokawa	2012,	Characteristics of submarine pumice-rich density current deposits sourced from turbulent mixing of subaerial pyroclastic flows at the shoreline: field and experimental assessment	Bull volcanol,	74,	657-675.
15-189	Gulf of Mexico Expedition 2012	2012,	How to Use Multibeam Sonar Data	Gulf of Mexico 2012 Expedition Tools for Classroom Explorers		1-30.
15-197	ANTONIO ACOSTA-VIGIL1*, IAN BUICK2, BERNARDO CESARE3, DAVID LONDON4 AND GEORGE B. MORGAN,VI4	2012,	The Extent of Equilibration between Melt and Residuum during Regional Anatexis and its Implications for Differentiation of the Continental Crust: a Study of Partially Melted Metapelitic Enclaves.	Journal of Petrology,	53,	1319-1356.
15-198	GUILHERME A. R. GUALDA1*, MARK S. GHIORSO2, ROBIN V. LEMONS1 AND TAMARA L. CARLEY1.	2012,	Rhyolite-MELTS: a Modified Calibration of MELTS Optimized for Silica-rich, Fluid-bearing Magmatic Systems.	Journal of Petrology,	53,	875-890.
15-199	PARAMPREET KAURI,2*, NAVEEN CHAUDHRI1, ALBRECHT W. HOFMANN2, INGRID RACZEK2, MARTINOKRUSCH3, SUSANNE SKORA4 AND LUKAS P. BAUMGARTNER4.	2012,	Two-Stage, Extreme Albitization of A-type Granites from Rajasthan, NWIndia.	Journal of Petrology,	53,	919-948.

15-200	R. C. PRICE1*, J. A. GAMBLE2, I. E. M. SMITH3, R. MAAS4, T. WAIGHT5, R. B. STEWART6 AND J. WOODHEAD4	2012,	The Anatomy of an Andesite Volcano: a Time-Stratigraphic Study of Andesite Petrogenesis and Crustal Evolution at Ruapehu Volcano, New Zealand.	Journal of Petrology,	53,	2139-2189.
15-201	J. M. S. SOLANO1*, M. D. JACKSON1y, R. S. J. SPARKS2, J. D. BLUNDY2 AND C. ANNEN2,	2012,	Melt Segregation in Deep Crustal Hot Zones: a Mechanism for Chemical Differentiation, Crustal Assimilation and the Formation of Evolved Magmas.	Journal of Petrology,	53,	1999-2026.
15-202	A.V. ZERNACK1*, R. C. PRICE2, I. E. M. SMITH3, S. J. CRONIN1 AND R. B. STEWART1	2012,	Temporal Evolution of a High-K Andesitic Magmatic System: Taranaki Volcano New Zealand.	Journal of Petrology,	53,	325-363.
15-216	J. Schneider von Deimling1,2 and C. Papenberg2	2012,	Technical Note: Detection of gas bubble leakage via correlation of water column multibeam images.	Ocean Sci.	8,	175-181.
15-225	U.S. Geological Survey	2012,	Global Exploration and Production Capacity for Platinum-Group Metals From 1995 Through 2015.	Scientific Investigations Report		2012-5164
15-236	Pablo Grosse a,□, Benjamin van Wyk de Vries b, Pablo A. Euillades c, Matthieu Kervyn d, Iván A. Petrinovic	2012,	Systematic morphometric characterization of volcanic edifices using digital elevation models.	Geomorphology,	136,	114-131.
15-257	Simone Tarquini □, Massimiliano Favalli, Francesco Mazzarini, Ilaria Isola, Alessandro Fornaciai	2012,	Morphometric analysis of lava flow units: Case study over LIDAR-derived topography at Mount Etna, Italy.	Journal of Volcanology and Geothermal Research	235-236,	11-22.
15-258	M. Jutzeler a,□, A.A. Proussevitch b, S.R. Allen	2012,	Grain-size distribution of volcanoclastic rocks 1: A new technique based on functional stereology.	Journal of Volcanology and Geothermal Research	239-240,	1-11.
15-263	Timothy K. Stanton	2012,	30 years of advances in active bioacoustics: A personal perspective.	Methods in Oceanography,	1-2,	49-77.
15-280_ISA	International Seabed Authority Kingston, Jamaica	2012,	Environmental Management Needs for Exploration and Exploitation of Deep Sea Minerals	ISA Technical Study	10	47p.
15-290	V.I. Kosyakov a, E.F. Sinyakova	2012,	Physicochemical prerequisites for the formation of primary orebody zoning at copper-nickel sulfide deposits (by the example of the systems Fe-Ni-S and Cu-Fe-S)	Russian Geology and Geophysics,	53,	861-882.
15-308	Tomoeiki Nakakuki n, Erika Mura	2012,	Dynamics of slab rollback and induced back-arc basin formation	Earth and Planetary Science Letters,	261,	287-297.
15-313	François van der Straaten a, Ralf Halama a,□, Timm John b, Volker Schenk a, Folkmar Hauff c, Nils Andersen	2012,	Tracing the effects of high-pressure metasomatic fluids and seawater alteration in blueschist-facies overprinted eclogites: Implications for subduction channel processes.	Chemical Geology	292-293,	69-87.
15-315	P.C.S. Carvalho a,□, A.M.R. Neiva a, M.M.V.G. Silva a, F. Corfu	2012,	A unique sequential melting mechanism for the generation of anatectic granitic rocks from the Penafiel area, northern Portugal.	Lithos,	155,	110-124.
15-321	Wim J. Malfait a,fl, Rene Verel b, Paola Ardia a,c, Carmen Sanchez-Valle	2012,	Aluminum coordination in rhyolite and andesite glasses and melts: Effect of temperature, pressure, composition and water content.	Geochimica et Cosmochimica Acta,	77,	11-26.
15-324	David London a,□, George B. Morgan VI a, Antonio Acosta-Vigil	2012,	Experimental simulation of anatexis and assimilation involving metapelite and granitic melt.	Lithos,	153,	292-307.
15-332	Sarah C. Wormald a,□, Ian C. Wright b, Jonathan M. Bull a, Geoffroy Lamarche c, David J. Sanderson	2012,	Morphometric analysis of the submarine arc volcano Monowai (Tofua-Kermadec Arc) to decipher tectono-magmatic interactions.	Journal of Volcanology and Geothermal Research	239-240,	69-82.
15-353	Claire L. McLeod1, Jon P. Davidson1, Geoff M. Nowell1, and Shanaka L. de Silva2	2012,	Disequilibrium melting during crustal anatexis and implications for modeling open magmatic systems.	Geology,	40	435-438.
16-051	Vlad C. Manea1*, Marta Pérez-Gussinyé2, and Marina Manea1	2012,	Chilean fl at slab subduction controlled by overriding plate thickness and trench rollback.	geology,	40,	35-38.
16-084	Marco Bonini	2012,	Mud volcanoes: Indicators of stress orientation and tectonic controls	Earth-Science Reviews,	115,	121-152.
16-093	Koji ITO* 1, Daishi HORIUCHI* 2, Atsushi SHIBATA* 3, Akira SUZUKI* 4, and Kaoru KOYAMA	2012,	List of volcanoes and their activities records in the adjacent seas of Japan 4th edition†	REPORT OF HYDROGRAPHIC AND OCEANOGRAPHIC RESEARCHES	48,	41-73.
16-128	Jens C. Grimmer □, Reinhard O. Greiling	2012,	Serpentinites and low-K island arc meta-volcanic rocks in the Lower Kôli Nappe of the central Scandinavian Caledonides: Late Cambrian-early Ordovician serpentinite mud volcanoes in a forearc basin?	tectonophysics,	541-543,	19-30.
16-129	Estibalitz Ukar	2012,	Tectonic significance of low-temperature blueschist blocks in the Franciscan mélange at San Simeon, California.	tectonophysics,	568-569,	154-169.
16-130	John Wakabayashi	2012,	Subducted sedimentary serpentinite mélanges: Record of multiple burial-exhumation cycles and subduction erosion.	tectonophysics,	568-569.	230-247.
16-135	Luis Somoza a,□, Teresa Medialdea a, Ricardo León a, Gemma Ercilla b, Juan Tomás Vázquez c, Marcel·lí Farran b, Javier Hernández-Molina d, Javier González a, Carmen Juan b, Ma Carmen Fernández-Puga	2012,	Structure of mud volcano systems and pockmarks in the region of the Ceuta Contourite Depositional System (Western Alborán Sea).	Marine geology,	332-334,	4-26.
16-141	Marco Bonini	2012,	Mud volcanoes: Indicators of stress orientation and tectonic controls	Earth-Science Reviews,	115,	121-152.
16-151	Patricia Fryer,	2012,	Serpentinite Mud Volcanism: Observations, Processes, and Implications.	Annu. Rev. Mar. Sci.,	4,	345-373.
16-167	Patricia Fryer,	2012,	Serpentinite Mud Volcanism: Observations, Processes, and Implications.: Supplemental figures	Annu. Rev. Mar. Sci.,	4,	345-373.
12-281	Idael Francisco Blanco-Quintero1*, Antonio García-Casco2, and Taras V. Gerya,	2011,	Tectonic blocks in serpentinite mélange (eastern Cuba) reveal large-scale convective flow of the subduction channel.	Geology,	39,	79-82.
12-001	Anne M. Tréhu1, Richard J. Blakely2, and Mark C. Williams1	2011,	Subducted seamounts and recent earthquakes Cascadia forearc beneath the central	Geology,	40	103-106

12-011	Robert Wright, Lori Glaze and Stephen M. Baloga	2011,	Constraints on determining the eruption style and composition of lavas Constraints on determining the eruption style and composition of terrestrial from spaceterrestrial	Geology,	39,	1127-1130.
12-012	Mark Hannington <sup>1</sup> , John Jamieson <sup>1</sup> , Thomas Monecke <sup>2</sup> , Sven Petersen <sup>3</sup> , and Stace Beaulieu <sup>4</sup>	2011,	The abundance of seafloor massive sulfide deposits	Geology,	39,	1155-1158.
12-017	Robert A. Dunn & Fernando Martinez	2011,	Contrasting crustal production and rapid mantle transitions beneath back-arc ridges	nature	469,	198-202.
12-018	Charles R. Stern	2011,	Subduction erosion: Rates, mechanisms, and its role in arc magmatism and the evolution of the continental crust and mantle	Gondwana Research	20,	284-308.
12-019	Peter Michael	2011,	Earth science: A back-arc in time	nature	469,	170-171.
12-022	H. C. oban, Z. Karacik, O. I. Ece	2011,	Source contamination and tectonomagmatic signals of overlapping Early to Middle Miocene orogenic magmas associated with shallow continental subduction and asthenospheric mantle flows in Western Anatolia: A record from Simav (Kutahya) region .	Lithos	LITHOS 2587	
12-029	Carlos Marcello Dias Fernandes a,*, Caetano Juliani b, Lena Virginia Soares Monteiro c, Bruno Lagler Carlos Mario Echeverri Misas,	2011,	High-K calc-alkaline to A-type fissure-controlled volcano-plutonism of the São Félix do Xingu region, Amazonian craton, Brazil: Exclusively crustal sources or only mixed Nd model ages?	Journal of South American Earth Sciences	32,	351-368.
12-030	Wu-Bin Yang a,b, He-Cai Niu a,c, Qiang Shan a, Yong Luo d, Wei-Dong Sun a, Cong-Ying Li Ning-Bo Li a,b, Xue-Yuan Yu	2011,	Late Paleozoic calc-alkaline to shoshonitic magmatism and its geodynamic implications, Yuximolegai area, western Tianshan, Xinjiang	Gondwana Research	xxx	online
12-032	Brian L. Cousens a, Christopher D. Henry b, Bradley J. Harvey c,1, Tim Brownrigg c,2, Julie Prytulak c,3, James F. Allan d	2011,	Secular variations in magmatism during a continental arc to post-arc transition: Plio-Pleistocene volcanism in the Lake Tahoe/Truckee area, Northern Sierra Nevada, California.	Lithos,	123,	225-242.
12-037	A.K. Martin	2011,	Double saloon door tectonics in the Japan Sea, Fossa Magna, and the Japanese Island Arc.	Tectonophysics,	498,	45-65.
12-041	Lijun Liu □, Dave R. Stegman	2011,	Segmentation of the Farallon slab.	Earth and Planetary Science Letters	311,	1-10.
12-047	S. Goesa,*, F.A. Capitaniob, G. Morrac,d, M. Setone, D. Giardini	2011,	Signatures of downgoing plate-buoyancy driven subduction in Cenozoic plate motions.	Physics of the Earth and Planetary Interiors,	184,	1-13.
12-050	Gideon Rosenbaum □, Won Mo	2011,	Tectonic and magmatic responses to the subduction of high bathymetric relief.	Gondwana Research,	19,	571-582.
12-061	A.K. Martin	2011,	Double saloon door tectonics in the Japan Sea, Fossa Magna, and the Japanese Island Arc.	Tectonophysics,	498,	45-65.
12-062	Hisashi Oiwane a,b, Satoshi Tonai a,c, Shoichi Kiyokawa d, Yasuyuki Nakamura Yusuke Suganuma b, Hidekazu Tokuyama	2011,	Geomorphological development of the Goto Submarine Canyon, northeastern East China Sea.	Marine Geology,	288,	49-60.
12-081	STEPHEN M. CRABTREE* AND REBECCA A. LANGE	2011,	Complex phenocryst textures and zoning patterns in andesites and dacites: evidence of degassing-induced rapid crystallization?	Jour. Petrol.,	52,	3-38.
12-083	RETO GIERE <sup>1</sup> *, DOUGLAS RUMBLE <sup>2</sup> , DETLEF GUN <sup>3</sup> THER <sup>3</sup> JAMES CONNOLLY <sup>4</sup> AND MARKJ. CADDICK <sup>4</sup>	2011,	Correlation of growth and breakdown of major and accessory minerals in metapelites from Campolungo, Central Alps.	Jour. Petrol.,	52,	2293-2334.
12-085	C. D. DEERING <sup>1</sup> *, O. BACHMANN <sup>1</sup> , J. DUFEK <sup>2</sup> AND D. M. GRAVLEY <sup>3</sup>	2011,	Rift-Related Transition from Andesite to Rhyolite Volcanism in the Taupo Volcanic Zone (New Zealand) Controlled by Crystal-melt Dynamics in Mush Zones with Variable Mineral Assemblages	Jour. Petrol.,	52,	2243-2263.
12-088	M. Yu. KORESHKOVA <sup>1</sup> *, H. DOWNES <sup>2</sup> , L. K. LEVSKY <sup>3</sup> AND N.V.VLADYKIN <sup>4</sup>	2011,	Petrology and geochemistry of granulite xenoliths from Udachnaya and Komsomolskaya kimberlite pipes, Siberia.	Jour. Petrol.,	52,	1857-1885.
12-091	S.W. PARMAN <sup>1</sup> *, T. L. GROVE <sup>2</sup> , K. A. KELLEY <sup>3</sup> AND T. PLANK <sup>4</sup>	2011,	Along-arc variations in the pre-eruptive H <sub>2</sub> O contents of Mariana arc magmas inferred from fractionation paths.	Jour. Petrol.,	52,	257-278.
12-094	GUILHERME A. R. GUALDA <sup>1</sup> * AND MARK S. GHIORSO <sup>2</sup>	2011,	Comment on 'A metamodel for crustal magmatism: Phase equilibria of giant ignimbrites' by S.J. Fowler and F.J. Spera.	Jour. Petrol.,	52,	431-434.
12-095	SARAH J. FOWLER <sup>1</sup> * AND FRANKJ. SPERA <sup>2</sup>	2011,	Reply to Gualda & Ghior comment on 'A metamodel for crustal magmatism: Phase equilibria of giant ignimbrites'.	Jour. Petrol.,	52,	435-438.
12-096	MICHAEL A.W. MARKS <sup>1</sup> *, KAI HETTMANN <sup>1</sup> , JULIAN SCHILLING <sup>1</sup> , B. RONALD FROST <sup>2</sup> AND GREGOR MARKL <sup>1</sup>	2011,	The mineralogical diversity of alkaline igneous rocks: Critical factors for the transition from miaskitic to agpaaitic phase assemblages.	Jour. Petrol.,	52,	439-455.
12-097	OLIVIER NAMUR <sup>1</sup> *, BERNARD CHARLIER <sup>1</sup> , MICHAELJ. TOPLIS <sup>2</sup> , MICHAEL D. HIGGINS <sup>3</sup> , VERONIQUE HOUNSELL <sup>3</sup> , JEAN-PAUL LIE <sup>3</sup> GEOIS <sup>4</sup> AND JACQUELINE VANDER AUWERA <sup>1</sup>	2011,	Differentiation of tholeiitic basalt to A-type granite in the Sept Iles layered intrusion, Canada.	Jour. Petrol.,	52,	487-539.
12-098	STEFANO DEL MORO <sup>1</sup> *, ALBERTO RENZULLI <sup>1</sup> AND MARIO TRIBAUDINO <sup>2</sup> ,	2011,	Pyrometamorphic processes at the magma-hydrothermal system interface of active volcanoes: Evidence from buchite ejecta of Stromboli (Aeolian Islands, Italy).	Jour. Petrol.,	52,	541-564.
12-099	MARIEK E. SCHMIDT* AND ANITA L. GRUNDER	2011,	Deep mafic roots to arc volcanoes: Mafic recharge and differentiation of basaltic andesite at North Sister Volcano, Oregon Cascades.	Jour. Petrol.,	52,	603-641.

(Marine volcanology, Kumamoto Univ.)

12-222	KATHRYN E.WATTS <sup>1*</sup> , ILYA N. BINDEMAN <sup>1y</sup> AND AXEL K. SCHMITT <sup>2</sup>	2011,	Large-volume rhyolite genesis in caldera complexes of the Snake River Plain: Insights from the Kilgore tuff of the Heise volcanic field, Idaho, with comparison to Yellowstone and Bruneau-Jarbridge rhyolites.	Jour. Petrol.,	52,	857-890.
12-224	ANDREAS AUDE <sup>1</sup> TAT <sup>1*</sup> , DAVID DOLEJS <sup>2</sup> AND JACOB B. LOWENSTERN <sup>3</sup>	2011,	Molybdenite saturation in silicic magmas: Occurrence and petrological implications.	Jour. Petrol.,	52,	891-904.
12-226	R. H. SMITHIES <sup>1*</sup> , H. M. HOWARD <sup>1</sup> , P. M. EVINS <sup>1</sup> , C. L. KIRKLAND <sup>1</sup> D. E. KELSEY <sup>2</sup> , M. HAND <sup>2</sup> , M.T. D.WINGATE <sup>1</sup> , A. S. COLLINS <sup>2</sup> AND E. BELOUSOVA <sup>3</sup> ,	2011,	High-temperature granite magmatism, crust-mantle interaction and the Mesoproterozoic intracontinental evolution of the Musgrave province, Central Australia.	Jour. Petrol.,	52,	931-958.
12-230	F. NAURET <sup>1,2*</sup> , J. E. SNOW <sup>2,3</sup> , E. HELLEBRAND <sup>2,4</sup> AND D.WEIS	2011,	Geochemical composition of K-rich lavas from the Lena Trough (Arctic Ocean).	Jour. Petrology,	52,	1185-1206.
12-231	Yaoling Niu, Marjorie Wilson,	2011,	Magma generation and evolution and global tectonics: An issue in honour of Peter J. Wyllie for his life-long contributions by means of experimental petrology to understanding how the Earth works.	Jour. Petrology,	52,	1299-1242.
12-240	Michael Manga & Ameeta Patel & Josef Dufek	2011,	Rounding of pumice clasts during transport: field measurements and laboratory studies.	Bull Volcanol,	73,	321-333.
12-247	Jeremy P. Richards	2011,	Magmatic to hydrothermal metal fluxes in convergent and collided margins.	Ore Geology Reviews	40,	1-26.
12-254	Ali Polat a,□, Peter W.U. Appel b, Brian J. Fryer	2011,	An overview of the geochemistry of Eoarchean to Mesoproterozoic ultramafic to mafic volcanic rocks, SW Greenland: Implications for mantle depletion and petrogenetic processes at subduction zones in the early Earth.	Gondwana Research,	20,	255-283.
12-265	Timm John a,b,□, Marco Scambelluri c, Matthias Frische d, Jaime D. Barnes e, Wolfgang Bach.	2011,	Dehydration of subducting serpentinite: Implications for halogen mobility in subduction zones and the deep halogen cycle.	Earth and Planetary Science Letters,	308,	65-76.
12-270	Alan R. Hastie a,†, Simon F. Mitchell b, Andrew C. Kerr c, Matthew J. Minifie Ian L. Millar,	2011,	Geochemistry of rare high-Nb basalt lavas: Are they derived from a mantle wedge metasomatized by slab melts?	Geochimica et Cosmochimica Acta,	75,	5049-5072.
12-273	Károly Németh (Editorial)	2011,	Maars and scoria cones: the enigma of monogenetic volcanic fields	Journal of Volcanology and Geothermal Research,	201,	v-viii.
12-274	A.K. Martin	2011,	Double saloon door tectonics in the Japan Sea, Fossa Magna, and the Japanese Island Arc.	Tectonophysics,	498,	45-65.
12-280	Agustín Cabrera <sup>1</sup> , Roberto F. Weinberg <sup>1</sup> , Heather M.N. Wright <sup>1*</sup> , Sergio Zlotnik <sup>1,2</sup> , and Ray A.F. Cas <sup>1</sup>	2011,	Melt fracturing and healing: A mechanism for degassing and origin of silicic obsidian.	Geology,	39,	67-70.
12-286	S.H. Mahony, L.M. Wallace, M. Miyoshi, P. Villamor, R.S.J. Sparks and T. Hasenaka	2011,	Volcano-tectonic interactions during rapid plate-boundary evolution in Kyushu region, SW Japan.	GSA Bulletin,	123,	2201-2223.
12-351	Benjamin J.A. Moultona,*, Anthony D. Fowlera, John A. Ayera,b, Ben R. Bergerb, Patrick Mercier-Langevin,	2011,	Archean subaqueous high-silica rhyolite coulées: Examples from the Kidd-Munro Assemblage in the Abitibi Subprovince.	Precambrian Research,	189,	389-403.
12-356	Nicholas D. Deardorff a,□, Katharine V. Cashman a, William W. Chadwick Jr.	2011,	Observations of eruptive plume dynamics and pyroclastic deposits from submarine explosive eruptions at NW Rota-1, Mariana arc.	Journal of Volcanology and Geothermal research,	202,	47-59.
12-499	Heather Michelle Wright • Charles R. Bacon • Jorge A. Vazquez • Thomas W. Sisson,	2011,	Sixty thousand years of magmatic volatile history before the caldera-forming eruption of Mount Mazama, Crater Lake, Oregon.	Contrib Mineral Petrol	xx	xxx-xxx
12-503	Paulo J. Hidalgo • Thomas A. Vogel Tyrone O. Rooney • Ryan M. Currier • Paul W. Layer,	2011,	Origin of silicic volcanism in the Panamanian arc: evidence for a two-stage fractionation process at El Valle volcano.	Contrib Mineral Petrol	162,	1115-1138.
12-504	S. Sinigoi • J. E. Quick G. Demarchi • U. Klo'tzli	2011,	The role of crustal fertility in the generation of large silicic magmatic systems triggered by intrusion of mantle magma in the deep crust.	Contrib Mineral Petrol	162,	691-707.
12-514	Stephen J. Piercey	2011,	The setting, style, and role of magmatism in the formation of volcanogenic massive sulfid deposits.	Miner Deposita,	46,	449-471.
12-622	Taras Gerya	2011,	Future directions in subduction modeling	Journal of Geodynamics,	52,	344-378.
13-031	Cornel E. J. de Ronde & Gary J. Massoth & David A. Butterfield & Bruce W. Christenson & Junichiro Ishibashi & Robert G. Ditchburn & Mark D. Hannington & Robert L. Brathwaite & John E. Lupton & Vadim S. Kamenetsky & Ian J. Graham & Georg F. Zellmer & Robert P. Dziak & Robert W. Embley & Vesselin M. Dekov & Frank Munnik & Janine Lahr & Leigh J. Evans & Ken Takai,	2011,	Submarine hydrothermal activity and gold-rich mineralization at Brothers volcano, Kermadec Arc, New Zealand.	Miner Deposita,	46,	541-584.
13-036	Sung Won Kim a, M. Santosh b, Nari Park c, Sanghoon Kwon	2011,	Forearc serpentinite melange from the Hongseong suture, South Korea.	Gondwana Research,	20,	852-864.
13-057	Jörg Hasenclever a,b,□, Jason Phipps Morgan c, Matthias Hort a, Lars H. Rüpke	2011,	2D and #D numerical models on compositionally buoyant diapirs in the mantle wedge.	Earth and Planetary Science Letters,	311,	53-68.

13-068	OLIVIER NAMUR1*, BERNARD CHARLIER1, MICHAEL J. TOPLIS2, MICHAEL D. HIGGINS3, VERONIQUE HOUNSELL3, JEAN-PAUL LIEGEAIS4 AND JACQUELINE VANDER AUWERA1	2011,	Differentiation of tholeiitic basalt to A-type granite in the Sept Iles Layered intrusion, Canada.	Journal of Petrology,	52,	487-539.
13-070	CAROL D. FROST* AND B. RONALD FROST	2011,	On ferroan (A-type) granitoids: their compositional variability and modes of origin.	Journal of Petrology,	52,	39-53.
15-002	David C. Rubie a, □, Daniel J. Frost a, Ute Mann b, Yuki Asahara c, Francis Nimmo d, Kyusei Tsuno, Philip Kegler e, Astrid Holzheid e, Herbert Palme	2011,	Heterogeneous accretion, composition and core–mantle differentiation of the Earth	Earth and Planetary Science Letters	301,	31-42.
15-003	Tadashi Yamasaki a, □, Randell Stephenson	2011,	Back-arc rifting initiated with a hot and wet continental lithosphere	Earth and Planetary Science Letters	302,	172-184.
15-004	Jörg Hasenclever a, b, □, Jason Phipps Morgan c, Matthias Hort a, Lars H. Rüpke	2011,	2D and 3D numerical models on compositionally buoyant diapirs in the mantle wedge	Earth and Planetary Science Letters	311,	53-68.
15-022	Hisashi Oiwane a, b, □, Satoshi Tonai a, c, Shoichi Kiyokawa d, Yasuyuki Nakamura a, e, Yusuke Suganuma b, Hidekazu Tokuyama	2011,	Geomorphological development of the Goto Submarine Canyon, northeastern East China Sea	Marine Geology,	288,	49-60.
15-025	Satoshi Tonai a, □, Yusuke Suganuma b, Juichiro Ashi a, Tetsumaru Itaya Hisashi Oiwane b, Shoichi Kiyokawa	2011,	Differential timing of vertical-axis block rotations in the northern Ryukyu Arc: Paleomagnetic evidence from the Koshikijima Islands, Japan	Tectonophysics,	497,	71-84.
15-049	Yongfeng Zhu*, Fang An, Juanjuan Tan	2011,	Geochemistry of hydrothermal gold deposits: A review	GEOSCIENCE	2(3)	367-374.
15-053	村上浩康・昆 慶明・高木哲一	2011,	浅熱水性金鉱床形成につながるマグマ起源流体の解明	Green news,	10,	5
15-060	Cindy Lee Van Dover	2011,	Mining seafloor massive sulphides and biodiversity: what is at risk?	ICES Journal of Marine Science	68,	341-348.
15-090	INTERNATIONAL MARINE MINERALS SOCIETY	2011,	Code for Environmental Management of Marine Mining			1-15.
15-094	Eva Ramirez-Llodra1*, Paul A. Tyler2, Maria C. Baker2, Odd Aksel Bergstad3, Malcolm R. Clark4, Elva Escobar5, Lisa A. Levin6, Lenaick Menot7, Ashley A. Rowden4, Craig R. Smith8, Cindy L. Van Dover	2011,	Man and the Last Great Wilderness: Human Impact on the Deep Sea	PlosOne	6,	1-25.
15-116	Patrick C. Tobin,1* Ludek Berec2 and Andrew M. Liebhold1	2011,	Exploiting Allee effects for managing biological invasions	Biology Letters,	14,	615-624.
15-138	Mark D. Behn1, Peter B. Kelemen2, Greg Hirth3, Bradley R. Hacker4, and Hans-Joachim Massonne	2011,	Diapirs as the source of the sediment signature in arc lavas (figures)	nature geoscience,		
15-139	Mark D. Behn1, Peter B. Kelemen2, Greg Hirth3, Bradley R. Hacker4, and Hans-Joachim Massonne	2011,	Diapirs as the source of the sediment signature in arc lavas	nature geoscience,		
15-144	G. E. HARLOW V. B. SISSON S. S. SORENSEN	2011,	Jadeite from Guatemala: new observations and distinctions among multiple occurrences.	Geologica Acta,	9	363-387.
15-187	Hesham Elhagazy	2011,	Gas Plumes analysis using Multibeam EM710 Water Column Image in Saint John River.	Directed Research II		1-35.
15-188	Jonathan Beaudoin,	2011,	Optimizing EM302 settings for water column imaging.			
15-233	Jörg Hasenclever a, b, □, Jason Phipps Morgan c, Matthias Hort a, Lars H. Rüpke	2011,	2D and 3D numerical models on compositionally buoyant diapirs in the mantle wedge.	Earth and Planetary Science Letters	311,	53-68.
15-238	Flurin Vils a, b, f, Othmar Müntener c, Angelika Kalt a, Thomas Ludwig	2011,	Implications of the serpentine phase transition on the behaviour of beryllium and lithium–boron of subducted ultramafic rocks.	Geochimica et Cosmochimica Acta,	75,	1249-1271.
15-252	Chris McGonigle a, *,1, Jonathan H. Grabowski b, Craig J. Browne,2, Thomas C. Weber c, Rory Quinn	2011,	Detection of deep water benthic macroalgae using image-based classification techniques on multibeam backscatter at Cashes Ledge, Gulf of Maine, USA.	Estuarine, Coastal and Shelf Science	91,	87-101.
15-254	Didier Binder a, Bernard Gratuze b, *, Damase Mouralis c, Nur Balkan-Ath d	2011,	New investigations of the Göllüdağ obsidian lava flows system: a multi-disciplinary approach.	Journal of Archaeological Science	38,	3174-3184.
15-261	D.M. Kennedy 1,n, B.P. Brooke 2, C.D. Woodroffe 3, B.G. Jones 3, C. Waikari 4, S. Nichol 2	2011,	The geomorphology of the flank of the Lord Howe Island volcano Tasman Sea, Australia.	Deep-Sea Research II,	58,	899-908.
15-322	T.E. Johnson a, □, R.W. White a, M. Brown	2011,	A year in the life of an aluminous metapelite xenolith-The role of heating rates, reaction overstep, H2O retention and melt loss.	Lithos,	124,	132-143.
16-018	SISIR K. MONDAL	2011,	Platinum Group Element (PGE) Geochemistry to understand the Chemical Evolution of the Earth's Mantle	JOURNAL GEOLOGICAL SOCIETY OF INDIA	77,	295-302.
16-067	MARCO L. FIORENTINI1*, STEPHEN J. BARNES2, WOLFGANG D. MAIER1,4, O. MARCUS BURNHAM3 AND GEOFFREY HEGGIE1.	2011,	Global variability in the platinum-group element contents of komatiits.	J. Petrol.,	52,	83-112.
16-085	M. Pondrelli a, □, A.P. Rossi b, c, G.G. Ori a, d, S. van Gassel e, D. Praeg f, S. Ceramicola	2011,	Mud volcanoes in the geologic record of Mars: The case of Firsoff crater	Earth and planetary science letter,	304,	511-519.

16-089	Nicola's L. Gutierrez1, Ray Hilborn1 & Omar Defeo2	2011,	Leadership, social capital and incentives promote successful fisheries.	Nature,	470,	386-389.
16-090	Robert A. Dunn1 & Fernando Martinez2	2011,	Contrasting crustal production and rapid mantle transitions beneath back-arc ridges.	Nature	469,	198-202
16-091	Benjamin C. Gill1f, Timothy W. Lyons1, Seth A. Young2, Lee R. Kump3, Andrew H. Knoll4 & Matthew R. Saltzman5	2011,	Geochemical evidence for widespread euxinia in the Later Cambrian ocean.	Nature	469,	80-83.
16-113	Gideon Rosenbaum □, Won Mo	2011,	Tectonic and magmatic responses to the subduction of high bathymetric relief	Gondwana Research,	19,	571-582.
16-118	Xieyan Song a,*, Yushan Wang b, Liemeng Chen a	2011,	Magmatic Ni-Cu-(PGE) deposits in magma plumbing systems: Features, formation and exploration.	GEOSCIENCE FRONTIERS	2(3)	375-384.
16-145	J.D. Clemens □, G. Stevens, F. Farina	2011,	The enigmatic sources of I-type granites: The peritectic connexion	Lithos,	126,	174-181.
16-163	Yildirim Dilek1,† and Harald Furnes2	2011,	Ophiolite genesis and global tectonics: Geochemical and tectonic fingerprinting of ancient oceanic lithosphere.	GSA Bulletin,	123,	387-411.
16-168	Shinji Fukudaa,b,*, Bernard De Baetsb, Ans M. Moutonc, Willem Waegemanb, Jun Nakajimad, Takahiko Mukaie, Kazuaki Hiramatsuf, Norio Onikurag,	2011,	Effect of model formulation on the optimization of a genetic Takagi-Sugeno fuzzy system for fish habitat suitability evaluation.	Ecological Modelling	222,	1401-1413.
16-170	Koun Sugimotoa	2011,	Analysis of Scenic Perception and Its Spatial Tendency: Using Digital Cameras, GPS loggers, and GIS.	Procedia Social and Behavioral Sciences	21,	43-52.
16-168	Shinji Fukudaa,b,*, Bernard De Baetsb, Ans M. Moutonc, Willem Waegemanb, Jun Nakajimad, Takahiko Mukaie, Kazuaki Hiramatsuf, Norio Onikurag,	2011,	Effect of model formulation on the optimization of a genetic Takagi-Sugeno fuzzy system for fish habitat suitability evaluation.	Ecological Modelling	222,	1401-1413.
16-170	Koun Sugimotoa	2011,	Analysis of Scenic Perception and Its Spatial Tendency: Using Digital Cameras, GPS loggers, and GIS.	Procedia Social and Behavioral Sciences	21,	43-52.
12-072	柵山徹也,	2010,	新生代北部九州のテクトニクス史と火山活動史—背弧火山岩区研究における重要性—	地学雑誌,	119,	224-234.
12-298	横瀬久芳、佐藤創、小林哲夫、吉村浩、森井康宏、山脇信博、西山麻砂美、	2010,	奄美海底カルデラにおける熱水活動の証拠—AsとMoに富むマンガンクラスト。	月刊地球,	32,	457-467.
10-009	Arevalo Jr, R., McDonough, W.F.,	2010,	Chemical variations and regional diversity observed in MORB.	Chemical Geology,	271,	70-85.
10-012	Pedley, K.L., Barnes, P.M., Pettinga, J.R., Lewis, K.B.,	2010,	Seafloor structural geomorphic evolution of the accretionary frontal wedge in response to seamount subduction, poverty indentation, New Zealand.	Marine Geology,	270,	119-138.
10-014	Mason, W.G., Moresi, L., Betts, P.G., Miller, M.S.,	2010,	Three-dimensional numerical models of the influence of a buoyant oceanic plateau on subduction zones.	Tectonophysics,	483,	71-79.
10-017	Saumur, B.-M., Hattori, K.H., Guillot, S.,	2010,	Contrasting origins of serpentinites in a subduction complex, northern Dominican republic.	Geol. Soc. Amer. Bull.,	122,	292-304.
10-047	Wheat, C.G., Fryer, P., Takai, K., Hulme, S.,	2010,	South Chamorro Seamount.	Oceanography,	23,	174-175.
10-226	PEDRAM AFTAB1, MAHASA ROUSTAIE 1, G. IAN ALSOP2* & CHRISTOPHER J. TALBOT3	2010,	InSAR mapping and modelling of an active Iranian salt extrusion	Journal of the Geological Society, London, Vol. 167, 2010, pp. 155-170. doi: 10.1144/0016-76492008-165.	167,	155-170
10-263	Sharon R. Allen, Richard S. Fiske and Yoshihiko Tamura	2010,	Effects of water depth on pumice formation in submarine domes at Sumisu, Izu-Bonin arc, western Pacific.	Geology,	38,	391-394.
10-274	ANTONIO ACOSTA-VIGIL1, IAN BUICK2, JORG HERMANN3, BERNARDO CESARE4, DANIELA RUBATTO3, DAVID LONDON5 AND GEORGE B. MORGAN,V15	2010,	Mechanisms of Crustal Anatexis: a Geochemical Study of Partially Melted Metapelitic Enclaves and Host Dacite, SE Spain.	Journal of Petrology,	51,	785-821.
10-456	DOUGLAS SMITH,	2010,	Antigorite Peridotite, Metaserpentinite, and other Inclusions within Diatremes on the Colorado Plateau, SW USA: Implications for the Mantle Wedge during Low-angle Subduction.	Journal of Petrology,	51,	1355-1379.
10-500	ANTONIO M. ALVAREZ-VALERO1,2 AND DAVID J. WATERS3,	2010,	Partially Melted Crustal Xenoliths as a Window into Sub-Volcanic Processes: Evidence from the Neogene Magmatic Province of the Betic Cordillera, SE Spain.	Journal of Petrology,	51,	973-991.
10-519	W.P. Schellart a,□, N. Rawlinson	2010,	Convergent plate margin dynamics: New perspectives from structural geology, geophysics and geodynamic modelling.	TECTONICS,	483,	4-19.
10-522	R.J. Wysoczanski a,□, E. Todd b, I.C. Wright c, M.I. Leybourne d, J.M. Hergt e, C. Adam a, K. Mackay	2010,	Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific).	Journal of Volcanology and Geothermal Research,	190,	39-57.
10-536	Benoit-Michel Saumur, Kéiko H. Hattori and Stéphane Guillot	2010,	Contrasting origins of serpentinites in a subduction complex, northern Hattori and Stéphane Guillot Dominican Republic	Geological Society of America Bulletin,	122,	292-304.
10-555	S.K. Chough, Y.K. Sohn,	2010,	Tectonic and sedimentary evolution of a Cretaceous continental arc-backarc system in the Korean Peninsula: New view.	Earth Science Reviews,		Online first
10-559	W.P. Schellart,	2010,	Introduction to the special issue on convergent plate margin dynamics	Tectonophysics,	483,	1-3.
10-560	W.G. Mason a,□, L. Moresi b, P.G. Betts a, M.S. Miller c	2010,	Three-dimensional numerical models of the influence of a buoyant oceanic plateau on subduction zones.	Tectonophysics,	483,	71-79.
10-578	Susan L. Bilek	2010,	The role of subduction erosion on seismicity	Geology,	38,	479-480.
12-042	W.P. Schellart a,□, N. Rawlinson	2010,	Convergent plate margin dynamics: New perspectives from structural geology, geophysics and geodynamic modelling.	Tectonophysics,	483,	4-19.
12-057	R.J. Wysoczanski a,□, E. Todd b, I.C. Wright c, M.I. Leybourne d, J.M. Hergt e, C. Adam a, K. Mackay	2010,	Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific).	Journal Volcanol Geothermal Res.,	190,	39-57.



(Marine volcanology, Kumamoto Univ.)

12-059	Claudio Faccenna a,□, Thorsten W. Becker b, Serge Lallemand c, Yves Lagabriele Francesca Funicello d, Claudia Piromallo	2010,	Subduction-triggered magmatic pulses: A new class of plumes ?	Earth Planetary Science Letters,	299,	54-68.
12-060	O. Ishizuka a,b,□, M. Yuasa a, Y. Tamura b, H. Shukuno b, R.J. Stern c, J. Naka b, M. Joshima a, R.N. Taylor	2010,	Migrating shoshonitic magmatism tracks Izu-Bonin-Mariana intra-oceanic arc rift propagation.	Earth and Planetary Science Letters	294,	111-122.
12-082	V. D.WANLESS1,2*, M. R. PERFIT1,W. I. RIDLEY3y AND E. KLEIN4	2010,	Dacite petrogenesis on Mid- Ocean ridges: evidence for oceanic crustal melting and assimilation.	Jour. Petrol.,	51,	2377-2410.
12-084	T. ANDERSEN1*, M. ERAMBERT1, A. O. LARSEN2 AND R. S. SELBEKK3,	2010,	Petrology of nepheline syenite pegmatites in the Oslo Rift, Norway: Zirconium silicate mineral assemblages as indicators of alkalinity and volatile fugacity in mildly alpaaitic magma.	Jour. Petrol.,	51,	2303-2325.
12-086	ELEANOR DONOGHUE1*, VALENTIN R. TROLL2 AND CHRIS HARRIS3	2010,	Fluid-rock interaction in the Miocene, post-caldera, Tejada intrusive complex Gran Canaria (Canary Islands): Insights from mineralogy, and O- and H- isotope geochemistry.	Jour. Petrol.,	51,	2149-2176.
12-087	J. KOTKOVA□ 1,2* AND S. L. HARLEY3	2010,	Anatexis during high-pressure crustal metamorphism: evidence from garnet-whole-rock REE relationships and zircon-rutile Ti-Zr thermometry in leucogranulites from the Bohemian Massif.	Jour. Petrol.,	51,	1967-2001.
12-089	IDA DI CARLO1,2, SILVIO G. ROTOLO1, BRUNO SCALLET2 VINCENZO BUCCHERI1 AND MICHEL PICHAVANT2	2010,	Phase equilibrium constraints on pre-eruptive conditions of recent felsic explosive volcanism at Pantelleria Island, Italy.	Jour. Petrol.,	51,	2245-2276.
12-093	V. SOUSTELLE1 , A.TOMMASI1, S. DEMOUCHEY1 AND D. A. IONOV2	2010,	Deformation and fluid-rock interaction in the supra-subduction mantle: Microstructures and water contents in Peridotite Xenoliths from the Avacha volcano, Kamchatka.	Jour. Petrol.,	51,	363-394.
12-221	ANTONIO ACOSTA-VIGIL1 , IAN BUICK2, JO©RG HERMANN3 BERNARDO CESARE4, DANIELA RUBATTO3, DAVID LONDON5 AND GEORGE B. MORGAN,VI5	2010,	Mechanisms of crustal anatexis: A geochemical study of partial melted metapelitic enclaves and host dacite, Se Spain.	Jour. Petrol.,	51,	785-821.
12-227	ANTONIO M. A□ LVAREZ-VALERO1,2 AND DAVID J. WATERS3	2010,	Partially melted crustal xenoliths as a window into sub-volcanic processes: Evidence from the Neogene magmatic province of the Betic Cordillera, SE Spain.	Jour. Petrology,	51,	973-991.
12-228	E. RANNOU1,* AND M. CAROFF2	2010,	Crystal size distribution in magmatic rocks: Proposition of a synthetic theoretical model.	Jour. Petrology,	51,	1087-1098.
12-229	B. L. A. CHARLIER1 AND C. J. N. WILSON2	2010,	Chronology and Evolution of Caldera-forming and Post-caldera Magma Systems at Okataina Volcano, New Zealand from Zircon U <sup>Th</sup> Model-age Spectra.	Jour. Petrology,	51,	1121-1141.
12-232	AKIHIKO TOMIYA1*, EIICHI TAKAHASHI2, NOBORU FURUKAWA3 AND TOSHIHIRO SUZUKI4	2010,	Depth and evolution of a silicic magma chamber: Melting experiments on a low-K rhyolite from Usu Volcano, Japan.	Jour. Petrology,	51,	1333-1354.
12-234	KATHERINE A. KELLEY1*, TERRY PLANK2, SALLY NEWMAN3 EDWARD M. STOLPER3, TIMOTHY L. GROVE4, STEPHEN PARMAN5 AND ERIK H. HAURI6,	2010,	Mantle melting as a function of water content beneath the Mariana arc.	Jour. Petrology,	51,	1711-1738.
12-235	SARAH J. FOWLER1* AND FRANK J. SPERA2	2010,	A metamodel for crustal magmatism: Phase equilibria of giant ignimbrites.	Jour. Petrology,	51,	1783-1830.
12-236	MINDY M. ZIMMER1*, TERRY PLANK1y, ERIK H. HAURI2 GENE M. YOGODZINSKI3, PETER STELLING4, JESSICA LARSEN5 BRAD SINGER6, BRIAN JICHA6, CHARLES MANDEVILLE7 AND CHRISTOPHER J. NYE8,	2010,	The role of water in generating the calc-alkaline trend: New volatile data for Aleutian magmas and a new tholeiitic index.	Jour. Petrology,	51,	2411-2444.
12-237	FRANCES E. JENNER1y*, HUGH ST. C. O' NEILL1 RICHARD J. ARCULUS1 AND JOHN A. MAVROGENES1	2010,	The magnetic crisis in the evolution of arc-related magmas and the initial concentration of Au, Ag and Cu.	Jour. Petrology,	51,	2445-2464.
12-238	K. E. SAUNDERS1*, D. J. MORGAN2, J. A. BAKER1 AND R. J. WYSOCZANSKI3,	2010,	The Magmatic Evolution of the Whakamaru Supereruption, New Zealand, Constrained by a Microanalytical Study of Plagioclase and Quartz.	Jour. Petrology,	51,	2465-2488.
12-239	Olivier Merle & Stéphanie Barde-Cabusson, Benjamin van Wyk de Vries	2010,	Hydrothermal calderas.	Bull Volcanol,	72,	131-147.
12-245	ZENG Zhigang1*, YU Shaoxiong1,2, WANG Xiaoyuan1,2, FU Yongtao1, YIN Xuebo1, ZHANG Guoliang1,2, WANG Xiaomei1,2, CHEN Shuai1,2	2010,	Geochemical and isotopic characteristics of volcanic rocks from the northern East China Sea shelf margin and the Okinawa Trough.	Acta Oceanol. Sin.,	29,	48-61.
12-253	Linda J. Chernak □, Greg Hirth	2010,	Deformation of antigorite serpentinite at high temperature and pressure	Earth and Planetary Science Letters,	296,	23-33.
12-260	Jaime D. Barnes a,□, Susanne M. Straub	2010,	Chlorine stable isotope variations in Izu Bonin tephra: Implications for serpentinite subduction.	Chemical Geology,	272,	62-74.
12-276	R.J. Wysoczanski a,□, E. Todd b, I.C. Wright c, M.I. Leybourne d, J.M. Hergt e, C. Adam a, K. Mackay	2010,	Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific).	Journal of Volcanology and Geothermal Research,	190,	39-57.

(Marine volcanology, Kumamoto Univ.)

12-279	菅原弘次 近藤晶夫 秋山勝哉 朴 海洋,	2010,	石炭火力発電所におけるボイラ内灰付着およびクリンカの発生抑制技術.	KOBE STEEL ENGINEERING REPORTS	60,	50-54.
12-282	Orkun Ersoy a,□, Erdal Şen a, Erkan Aydar a, İlkan Tatar b, H. Hamdi Çelik	2010,	Surface area and volume measurements of volcanic ash particles using micro-computed tomography (micro-CT): A comparison with scanning electron microscope (SEM) stereoscopic imaging and geometric considerations.	Journal of Volcanology and Geothermal Research,	196,	281-286.
12-283	Thomas Shea a,□, Bruce F. Houghton a, Lucia Gurioli a,1, Katharine V. Cashman, Julia E. Hammer a, Barbara J. Hobden,	2010,	Textural studies of vesicles in volcanic rocks: An integrated methodology.	Journal of Volcanology and Geothermal Research,	190,	271-289.
12-288	Wayne C. Crawford, Satish C. Singh, Tim Seher, Violaine Combier, Doga Dusunur, and Mathilde Cannat,	2010,	Crustal structure, Magma chamber, and faulting beneath the Lucky strike hydrothermal vent field.	Geophysical Monograph Series,	188,	113-132.
12-289	c. W. Devey, I C. R. German,2 K. M. Haase,3 K. S. Lackschewitz, I B. Melchert, and D. P. Connelly4	2010,	The Relationships Between Volcanism, Tectonism, and Hydrothermal Activity on the Southern Equatorial Mid-Atlantic Ridge.	Geophysical Monograph Series,	188,	133-296..
12-290	Yves Fouquet, I Pierre Cam bon, I Joel Etoubleau, I Jean Luc Charlou, I Helene Ondreas, Fernando I. A. S. Barriga,2 Georgy Cherkashov,3 Tatiana Semkova,3 Irina Poroshina,3 M. Bohn, Jean Pierre Donval, I Katell Henry, I Pamela Murphy, I and Olivier Rouxel,	2010,	Geodiversity of Hydrothermal Processes Along the Mid-Atlantic Ridge and Ultramafic-Hosted Mineralization: A New Type of Oceanic Cu-Zn-Co-Au Volcanogenic Massive Sulfide Deposit.	Geophysical Monograph Series,	188,	321-367.
12-291	R.J. Wysoczanski a,□, E. Todd b, I.C. Wright c, M.I. Leybourne d, J.M. Hergt e, C. Adam a, K. Mackay	2010,	Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific).	Journal of Volcanology and Geothermal Research,	190,	39-57.
12-480	Michael Manga & Ameeta Patel & Josef Dufek	2010,	Rounding of pumice clasts during transport: field measurements and laboratory studies.	Bull Volcanol,		
12-492	Klaus J. Schulz	2010,	4. Regional Environment Volcanogenic Massive Sulfide Occurrence Model	Scientific Investigations Report	2010-5070-C	
12-513	Anna O. Volynets · Tatiana G. Churikova · Gerhard Wörner · Boris N. Gordeychik · Paul Layer,	2010,	Mafic late Miocene-Quaternary volcanic rocks in the Kamchatka back arc region: implications for subduction geometry and slab history at the Pacific-Aleutian junction.	Contrib Mineral Petrol	159,	659-687.
12-517	I. S. Peretyazhko and E. A. Savina	2010,	Tetrad effects in the rare earth element patterns of granitoid rocks as an indicator of fluoride-silicate liquid immiscibility in magma system.	Petrology,	18,	514-543.
12-610	B.L.N. Kennetta,* , T. Furumurab	2010,	Tears or thinning? Subduction structures in the Pacific plate beneath the Japanese Islands.	Physics of the Earth and Planetary Interiors,	180,	52-58.
12-615	Salvatore Passaro a,□, Girolamo Milano b, Claudio D'Isanto a, Stefano Ruggieri a, Renato Tonielli a, Pier Paolo Bruno b, Mario Sprovieri a, Ennio Marsella	2010,	DTM-based morphometry of the Palinuro seamount (Eastern Tyrrhenian Sea): Geomorphological and volcanological implications	Geomorphology,	115,	129-140.
12-620	Colin G. Macpherson a,b,□, Kai Kim Chiang b,1, Robert Hall b, Geoff M. Nowell a, Paterno R. Castillo c, Matthew F. Thirlwall	2010,	Plio-Pleistocene intra-plate magmatism from the southern Sulu Arc, Semporna peninsula, Sabah, Borneo: Implications for high-Nb basalt in subduction zones.	Journal of Volcanology and Geothermal Research,	190,	25-38.
12-647	Dávid Karátson a,□,1, Massimiliano Favalli b, Simone Tarquini b, Alessandro Fornaciai b, Gerhard Wörner,	2010,	The regular shape of stratovolcanoes: A DEM-based morphometrical approach.	Journal of Volcanology and Geothermal Research,	193,	171-181.
12-649	Mathijs A. Booden □, Ian E.M. Smith, Jeffrey L. Mauk, Philippa M. Black	2010,	Evolving volcanism at the tip of a propagating arc: The earliest high-Mg andesites in northern New Zealand.	Journal of Volcanology and Geothermal research,	195,	83-96.
12-650	S. Erdmann a,b,□, B. Scaillet a, D.A. Kellett	2010,	Xenocryst assimilation and formation of peritectic crystals during magma contamination: An experimental study	Journal of Volcanology and Geothermal Research,	198,	355-367.
12-651	Christian Huber a,□, Olivier Bachmann b, Josef Dufek	2010,	The limitations of melting on the reactivation of silicic mushes	Journal of Volcanology and Geothermal Research,	195,	97-105.
13-006	Orkun Ersoy a,□, Erdal Şen a, Erkan Aydar a, İlkan Tatar b, H. Hamdi Çelik	2010,	Surface area and volume measurements of volcanic ash particles using micro-computed tomography (micro-CT): A comparison with scanning electron microscope (SEM) stereoscopic imaging and geometric considerations.	Journal of Volcanology and Geothermal Research,	196,	281-286.
13-007	Mathijs A. Booden □, Ian E.M. Smith, Jeffrey L. Mauk, Philippa M. Black,	2010,	Evolving volcanism at the tip of a propagating arc: The earliest high-Mg andesites in northern New Zealand.	Journal of Volcanology and Geothermal Research,	195,	83-96.
13-008	Thomas Shea a,□, Bruce F. Houghton a, Lucia Gurioli a,1, Katharine V. Cashman b,	2010,	Textural studies of vesicles in volcanic rocks: An integrated methodology.	Journal of Volcanology and Geothermal Research,	190,	271-289.
13-009	R.J. Wysoczanski a,□, E. Todd b, I.C. Wright c, M.I. Leybourne d, J.M. Hergt e, C. Adam a, K. Mackay	2010,	Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific).	Journal of Volcanology and Geothermal Research,	190,	39-57.
13-034	An thony B . Wat ts , An thony A. P. Kopp er s , and Davi d P. Robinson	2010,	Seamount subduction and Earthquakes.	Oceanography,	23,	166-173.
13-045	Benjamin Guillaume a,b,□, Monica Moroni c, Francesca Funicello a, Joseph Martinod d, Claudio Faccenna	2010,	Mantle flow and dynamic topography associated with slab window opening: insights from laboratory models.	Tectonophysics,	496,	83-98.
13-061	An Yin,	2010,	Cenozoic tectonic evolution of Asia: A preliminary synthesis.	Tectonophysics,	488,	293-325.

(Marine volcanology, Kumamoto Univ.)

13-074	Gang Zeng a, Li-Hui Chen a, Xi-Sheng Xu a, Shao-Yong Jiang a, Albrecht W. Hofmann	2010,	Carbonated mantle sources for Cenozoic intra-plate alkaline basalts in Shandong, North China.	Chemical Geology,	273,	35-45.
13-084	Hubert Staudigel, Anthony A. P. Koppers, Terry A. Plank, and Barry B. Hanan	2010,	Seamounts in the subduction factory.	Oceanography,	23,	176-181.
13-087	Margarete A. Jadamec† & Magali I. Billen†	2010,	Reconciling surface plate motions with rapid three-dimensional mantle flow around a slab edge.	nature,	465,	338-341.
15-011	Porter Hoagland a, Stace Beaulieu b, Maurice A. Tivey c, Roderick G. Eggert d, Christopher German Lyle Glowka e, Jian Lin	2010,	Deep-sea mining of seafloor massive sulfides	Marine Policy, 42,	34,	728-732.
15-091	International Seabed Authority	2010,	The International Marine Minerals Society's Code for Environmental Management of Marine Mining	ISBA/16/LTC/2		
15-092	ANTONIO CASTRO1, TARAS GERYA2,3, ANTONIO GARCÍA A-CASCO4, CARLOS FERNÁNDEZ, JUAN DIÁZ-ALVARADO5, IGNACIO MORENO-VENTAS1 AND IRENA LOPEZ W2	2010,	Melting Relations of MORB Sediment Melanges in Underplated Mantle Wedge Plumes: Implications for the Origin of Cordilleran-type Batholiths	Journal of Petrology,	51,	1267-1295.
15-105	Nautilus Minerals	2010,	Offshore Production System Definition and Cost			247p
15-130	Michael Hoffmann, 1, 2* Craig Hilton-Taylor, 3 Ariadne Angulo, 4, 5 Monika Böhm, 6 Thomas M. Brooks, 7, 8, 9 Stuart H. M. Butchart, 10 Kent E. Carpenter, 2, 5, 11 Janice Chanson, 5, 12 Ben Collen, 6 Neil A. Cox, 5, 13 William R. T. Darwall, 3 Nicholas K. Dulvy, 14 Lucy R. Harrison, 14 Vineet Katariya, 3 Caroline M. Pollock, 3 Suhel Quader, 15 Nadia I. Richman, 6 Ana S. L. Rodrigues, 16 Marcelo F. Tognelli, 5, 13, 17 Jean-Christophe Vié, 5 John M. Aguiar, 18 David J. Allen, 3 Gerald R. Allen, 19 Giovanni Amori, 20 Natalia B. Ananjeva, 21 Franco Andreone, 22 Paul Andrew, 23 Aida Luz Aquino Ortiz, 24 Jonathan E. M. Baillie, 25 Ricardo Baldi, 26, 27 Ben D. Bell, 28 S. D. Biju, 29 Jeremy P. Bird, 30 Patricia Black-Decima, 31 J. Julian Blanc, 32 Federico Bolaños, 33 Wilmar Bolívar-G., 34 Ian J. Burfield, 10 James A. Burton, 35, 36 David R. Capper, 37 Fernando Castro, 38 Gianluca Catullo, 39 Rachel D. Cavanagh, 40 Alan Channing, 41 Ning Labbish Chao, 42, 43, 44 Anna M. Chenery, 45 Federica Chiozza, 46 Viola Clausnitzer, 47 Nigel J. Collar, 10 Leah C. Collett, 3 Bruce B. Collette, 48 Claudia F. Cortez Fernandez, 49 Matthew T. Craig, 50 Michael J. Crosby, 10 Neil Cumberlidge, 51 Annabelle Cuttelod, 3 Andrew E. Derocher, 52 Arvin C. Diesmos, 53 John S. Donaldson, 54 J. W. Duckworth, 55 Guy Dutson, 56 S. K. Dutta, 57 Richard H. Emslie, 58 Aljos Farjon, 59 Sarah Fowler, 60 Jörg Freyhof, 61 David L. Garshelis, 62 Justin Gerlach, 63 David J. Gower, 64 Tandora D. Grant, 65 Geoffrey A. Hammerson, 66 Richard B. Harris, 67 Lawrence R. Heaney, 68 S. Blair Hedges, 69 Jean-Marc Hero, 70 Baz Hughes, 71 Syed Ainul Hussain, 72 Javier Icochea M., 73 Robert F. Inger, 68 Nobuo Ishii, 74 Djoko T. Iskandar, 75 Richard K. B. Jenkins, 76, 77, 78 Yoshio Kaneko, 79 Maurice Kottelat, 80, 81 Kit M. Kovacs, 82 Sergius L. Kuzmin, 83 Enrique La Marca, 84 John F. Lamoreux, 5, 85 Michael W. N. Lau, 86 Esteban O. Lavilla, 87 Kristin Leus, 88 Rebecca L. Lewison, 89 Gabriela Lichtenstein, 90 Suzanne R. Livingstone, 91 Vimoksalehi Lukoschek, 92, 93 David P. Mallon, 94 Philip J. K. McGowan, 95 Anna McIvor, 96 Patricia D. Moehlman, 97 Sanjay Molur, 98 Antonio Muñoz	2010,	The Impact of Conservation on the Status of the World's Vertebrates	Science,	330,	1503-1509.
15-131	E. A. Widder	2010,	Bioluminescence in the Ocean: Origins of Biological, Chemical, and Ecological Diversity	Science,	328,	704-708.
15-141	Michael L. Zientek, J. Douglas Causey, Heather L. Parks, and Robert J. Miller	2010,	Platinum-Group Elements in Southern Africa—Mineral Inventory and an Assessment of Undiscovered Mineral Resources.	Survey Scientific Investigations Report	2010-5090-Q	
15-179	Dávid Karátson & Tamás Telbisz & Brad S. Singer	2010,	Late-stage volcano geomorphic evolution of the Pleistocene San Francisco Mountain, Arizona (USA), based on high-resolution DEM analysis and 40Ar/39Ar chronology	Bull volcanol,	72,	833-846.
15-235	Okny Dicky Ardiansyah Prima a, Takeyoshi Yoshida	2010,	Characterization of volcanic geomorphology and geology by slope and topographic openness.	Geomorphology,	118,	22-32.
15-245	Philip T. Leat a, Alex J. Tate a, David R. Tappin b, Simon J. Day c, Matthew J. Owen	2010,	Growth and mass wasting of volcanic centers in the northern South Sandwich arc, South Atlantic, revealed by new multibeam mapping.	Marine Geology,	275,	110-126.
15-256	Dávid Karátson a, Massimiliano Favalli b, Simone Tarquini b, Alessandro Fornaciai b, Gerhard Wörner	2010,	The regular shape of stratovolcanoes: A DEM-based morphometrical approach	Journal of Volcanology and Geothermal Research	193,	171-181.
15-297	Roman E. Botcharnikov*, Robert L. Linnen†, Max Wilke‡, Francois Holtz†, Pedro J. Jugo‡ and Jasper Berndt	2010,	High gold concentrations in sulphide-bearing magma under oxidizing conditions.	nature geoscience,		1-12.

(Marine volcanology, Kumamoto Univ.)

15-318	Jian-lin Chen a, Ji-feng Xu a,□, Bao-di Wang a,b, Zhi-qiang Kang a,b, Li Jie	2010,	Origin of Cenozoic alkaline potassic volcanic rocks at KonglongXiang, Lhasa terrane, Tibetan Plateau: Products of partial melting of a mafic lower-crustal source?	Chemical Geology,	273,	286-299.
15-323	S. Angiboust □, P. Agard	2010,	Initial water budget: The key to detaching large volumes of eclogitized oceanic crust along the subduction channel?	Lithos,	120,	453-474.
15-335	J.E. Otamendi a,b,* , E. Cristofolini a,b, A.M. Tibaldi a,b, F.I. Quevedo a, I. Baliani	2010,	Petrology of mafic and ultramafic layered rocks from the Jaboncillo Valley, Sierra de Valle Fertil, Argentina: Implications for the evolution of magmas in the lower crust of the Famatinian arc.	Journal of South American Earth Sciences,	29,	685-704.
15-349	Marco Bonini a,□, Francesco Mazzarini	2010,	Mud volcanoes as potential indicators of regional streaa and pressurized layer depth.	Tectonophysics,	494,	32-47.
16-007	By An thony B . Wat ts , An thony A. P. Kopp er s , and Davi d P. Robinson	2010,	Seamount subduction and earthquakes.	Oceanography,	23,	166-173.
16-009	Shunso Ishihara1,* and Bruce W. Chappell2	2010,	Petrochemistry of I-type magnetite-series granitoids of the northern Chile, Highland Valley, southern B. C., Canada, Erdenet mine, Mongolia, Dexing mine, China, Medet mine, Bulgaria, and Ani mine, Japan.	Bulletin of the Geological Survey of Japan,	61,	383-415.
16-016	L. Mahadevan,1 R. Bendick,2 and Haiyi Liang1,3	2010,	Why subduction zones are curved	TECTONICS,	29,	1-10 (web)
16-017	Naoki Uchida,1 Stephen H. Kirby,2 Tomomi Okada,1 Ryota Hino,1 and Akira Hasegawa1	2010,	Supraslab earthquake clusters above the subduction plate boundary offshore Sanriku, northeastern Japan: Seismogenesis in a graveyard of detached seamounts?	JOURNAL OF GEOPHYSICAL RESEARCH,	115,	1-13.(web)
16-040	Dorothy Z. Oehler* , Carlton C. Allen	2010,	Evidence for pervasive mud volcanism in Acidalia Planitia, Mars	Icarus,	208,	636-657.
16-042	Andrea Festaa,c*, Gian Andrea Pinib, Yildirim Dilekc and Giulia Codegonea	2010,	Mélanges and mélange-forming processes: a historical overview and new concepts.	International Geology Review,	52,	1040-1105.
16-064	Mads Huuse,n Christopher A.-L. Jackson,w Pieter Van Rensbergen,z Richard J. Davies,% Peter B. Flemings,z and Richard J. Dixon,	2010,	Subsurface sediment remobilization and fluid flowin sedimentary basins: an overview.	Basin Research,	22,	342-360.
16-074	Lijun Liu1*, Michael Gurnis1, Maria Seton2, Jason Saleeby3, R. Dietmar Müller2 and Jennifer M. Jackson1.,	2010,	The role of oceanic plateau subduction in the Laramide orogeny.	Nature geoscience	3,	353-357.
16-131	Alina J. Hale a,□, Klaus-D. Gottschaldt b,1, Gideon Rosenbaum c, Laurent Bourgouin Matthieu Bauchy b, Hans Mühlhaus,	2010,	Dynamics of slab tear faults: Insights from numerical modelling.	tectonophysics,	483,	58-70.
16-143	W.G. Mason a,□, L. Moresi b, P.G. Betts a, M.S. Miller	2010,	Three-dimensional numerical models of the influence of a buoyant oceanic plateau on subduction zones.	tectonophysics,	483,	71-79.
16-149	hubert Staudigel, Anthony A.P. Koppers, Terry A. Plank, and Barry B. Hanan,	2010,	Seamounts in the subduction factory.	Oceanography,	23,	176-181.
16-150	Paul Wessel, David T. Sandwell, and Seung-sep Kim,	2010,	The global seamount census.	Oceanography,	23,	24-33.
16-153	Samuel M. Hulme, C. Geoffery Wheat, Patricia Fryer and Michael J. Mottl	2010,	Pore water chemistry of the Mariana serpentinite mud volcanoes: a window to the seismogenic zone.	Geochmistry Geophysics Geosystems,	11,	1-29.
16-155	Samuel M. Hulme, C. Geoffery Wheat, Patricia Fryer and Michael J. Mottl	2010,	Pore water chemistry of the Mariana serpentinite mud volcanoes: a window to the seismogenic zone.	Geochmistry Geophysics Geosystems,	11,	1-29.
16-157	Ken-ichi Hirauchi a,□, Katsuyoshi Michibayashi b, Hayato Ueda c, Ikuo Katayama,	2010,	Spatial variations in antigorite fabric across a serpentinite subduction channel: insights from the Ohmachi Seamount, Izu-Bonin frontal arc.	Earth and Planetary Science Letters,	299,	196-206.
15-073	長谷川修一	2009,	14Ma花崗岩体と西南日本外帯のネオテクトニクス	電力土木	341(別冊)	1-6.
09-053	Isse, T., Shiobara, H., Tamura, Y., Suetsugu, D., Yoshizawa, K., Sugioka, H., Ito, A., Kanazawa, T., Shinohara, M., Mochizuki, K., Araki, E., Nakahigashi, K., Kawakatsu, H., Ahito, A., Fukao, Y., Ishizuka, O., Gill, J.B.,	2009,	Seismic structure of the upper mantle beneath the Philippine Sea from seafloor and land observation: implications for mantle convection and magma genesis in the Izu-Bonin-Mariana subduction zone.	Earth Planet Sci., Lett.,	278,	107-119.
09-112	Wallace, L.M., Ellis, S., Miyao, K., Miura, S., Beavan, J., Goto, J.,	2009,	Enigmatic, highly active left-lateral shear zone in southwest Japan explained by aseismic ridge collision.	Geology,	37,	143-146.
09-112	Wallace, L.M., Ellis, S., Miyao, K., Miura, S., Beavan, J., Goto, J.,	2009,	Enigmatic, highly active left-lateral shear zone in southwest Japan explained by aseismic ridge collision.	Geology,	37,	143-146.
10-005	Mel'nikov, M.E., Pletne, S.P., Basov, I.A., Sedysheva, T.E.,	2009,	New data on the morphology and geological structure of the Gramberg guyot (Magellan Seamounts, Pacific Ocean).	Russian Journal of Pacific Geology,	3,	401-410.
10-022	Neumann, E.-R., Simon, N.S.C.,	2009,	Ultra-refractory mantle xenoliths from ocean islands: How do they compare to peridotites retrieved from oceanic sub-arc mantle?	Lithos,	107,	1-16.
10-046	Wang, X., Zeng, Z., Liu, C., Chen, J., Yin, X., Wang, X., Chen, D., Zhang, G., Chen, S., Li, K., Ouyang, H.,	2009,	Talc-bearing serpentinized peridotites from the southern Mariana forearc: implications for aseismic character within subduction zones.	Chinese Journai of Oceanology and limnology,	27,	667-673.
10-063	Isse, T., Shiobara, H., Tamura, Y., Suetsugu, D., Yoshizawa, K., Sugioka, H., Ito, A., Kanazawa, T., Shinohara, M., Mochizuki, K., Araki, E., Nakahigashi, K., Kawakatsu, H., Shito, A., Fukao, Y., Ishizuka, O., Gill, J.B.,	2009,	Seismic structure of the upper mantle beneath the Philippine sea from seafloor and land observation: implications for mantle convection and magma genesis in the Izu-Bonin-Mariana subduction zone.	Earth and Planetary Science Letters,	278,	107-119.
10-066	Ishizuka, O., Yuasa, M., Taylor, R.N., Sakamoto, I.,	2009,	Two contrasting magmatic types coexist after the cessation of back-arc spreading.	Chemical Geology,	266,	274-296.
10-076	Murata, K., Maekawa, H., Yokose, H., Yamamoto, K., Fujioka, K., Ishii, T., Chiba, H., Wada, Y.,	2009,	Significance of serpentinization of wedge mantle peridotites beneath Mariana forearc, western Pacific.	Geosphere,	5,	90-104.

(Marine volcanology, Kumamoto Univ.)

10-100	Tosdal, R.M., Dilles, J.H., Cooke, D.R.,	2009,	From source to sinks in auriferous magmatic-hydrothermal porphyry and epithermal deposits.	Elements,	5,	289-295.
10-121	Peate, D.W., alkena, L., Kent, A.J.R.,	2009,	Pb isotope variations in hydrogenetic Fe-Mn crusts from the Izu-Bonin fore-arc.	Chemical Geology,	258,	288-298.
10-125	Azizi, H., Moinevaziri, H.,	2009,	Review of the tectonic setting of Cretaceous to Quaternary volcanism in northwestern Iran.	Journal of Geodynamics,	47,	167-179.
10-126	Chadwick, J., Perfit, M., McInnes, B., Kamenov, G., Plank, T., Jonasson, I., Chadwick, C.,	2009,	Arc lavas on both sides of a trench: slab window effects at the Solomon Islands triple junction, SW Pacific.	Earth and Planetary Science Letters,	279,	293-302.
10-139	Villaros, A., Stevens, G., Moyer, J.-F., Buick, I.S.,	2009,	The trace element compositions of S-type granites: evidence for disequilibrium melting and accessory phase entrainment in the source.	Contrib. Mineral. Petrol.,	158,	543-561.
10-144	茂野博	2009,	九州の火山・地熱活動の時空変化とフィリピン海プレート-スラブの沈み込みの関係 -電子地球科学情報を利用した簡易モデル化-シミュレーションによる検討-	地質ニュース,	656,	10-28.
10-148	Self, S.,	2009,	The effects and consequences of very large explosive volcanic eruptions.	Phil. Trans. R. Soc. A,	364,	2073-
10-149	Deering, C.D.,	2009,	Cannibalization of a amphibole-rich andesitic progenitor induced by caldera-collapse during the Mtaahina eruption: evidence from amphibole compositions.	American Mineralogist,	94,	1162-1174.
10-158	Behrens, H., Zhang, Y.,	2009,	H <sub>2</sub> O diffusion in peralkaline to peraluminous rhyolitic melts.	Contrib. Mineral. Petrol.,	157,	765-780.
10-160	Severs, M.J., Beard, J.S., Fedele, L., Hanchar, J.M., Mutchler, S.R., Bodnar, R.J.,	2009,	Partitioning behavior of trace elements between dacitic melt and plagioclase, orthopyroxene, and clinopyroxene based on laser ablation ICPMS analysis of silicate melt inclusions.	Geochem. et. Cosmochim. Acta,	73,	2123-2141.
10-189	James A. Skinner, Jr. a* , Adriano Mazzini b	2009,	Martian mud volcanism: Terrestrial analogs and implications for formational scenarios	Marine and Petroleum Geology 26 (2009) 1866–1878		
10-192	A. Mazzini*	2009,	Mud volcanism: Processes and implications	Marine and Petroleum Geology 26 (2009) 1677–1680		
10-210	A. Mazzini a,* , H. Svensen a, S. Planke a,b, I. Guliyev c, G.G. Akhmanov d, T. Fallik e, D. Banks	2009,	When mud volcanoes sleep: Insight from seep geochemistry at the Dashgil mud volcano, Azerbaijan	Marine and Petroleum Geology	26,	1704-1715,
10-211	Michael Manga*, Maria Brumm, Maxwell L. Rudolph	2009,	Earthquake triggering of mud volcanoes	Marine and Petroleum Geology	26,	1785-1798.
10-212	Anna Zoporowski*, Stephen A. Miller	2009,	Modelling eruption cycles and decay of mud volcanoes	Marine and Petroleum	26,	1879-
10-213	A. Savini a,* , E. Malinverno a, G. Etiope b, C. Tessarolo a, C. Corselli	2009,	Shallow seep-related seafloor features along the Malta plateau (Sicily channel – Mediterranean Sea): Morphologies and geo-environmental control of their distribution.	Marine and Petroleum Geology	26,	1831-1848.
10-214	I.R. MacDonald a,* , M.B. Peccini	2009,	Distinct activity phases during the recent geologic history of a Gulf of Mexico mud volcano.	Marine and Petroleum Geology	26,	1824-1830.
10-235	Harald Behrens & Youxue Zhang	2009,	H <sub>2</sub> O diffusion in peralkaline to peraluminous rhyolitic melts	Contrib. Mineral. Petrol.,	157,	765-780.
10-249	JUAN E. OTAMENDI*, MIHAI N. DUCEA2, ALINA M. TIBALDI1, GEORGE W. BERGANTZ3, JESU S D. DE LA ROSA4 AND GRACIELA I.VUJOVICH5	2009,	Generation of Tonalitic and Dioritic Magmas by Coupled Partial Melting of Gabbroic and Metasedimentary Rocks within the Deep Crust of the Pamatinian Magmatic Arc, Argentina	Journal of Petrology,	50,	841-873.
10-361	David W. Peate a,□, Lee Falkena a, Adam J.R. Kent	2009,	Pb isotope variations in hydrogenetic Fe–Mn crusts from the Izu–Bonin fore-arc	Chimical geology,	258,	288-298.
10-395	JOHN FACER*, HILARY DOWNES AND ANDREW BEARD	2009,	In situ Serpentinization and Hydrous Fluid Metasomatism in Spinel Dunite Xenoliths from the Bearpaw Mountains, Montana, USA.	Journal of petrology,	50,	1443-1475.
10-484	Stefano Poli a,□, Ettore Franzolin a,b, Patrizia Fumagalli a, Ada Crottini a	2009,	The transport of carbon and hydrogen in subducted oceanic crust: An experimental study to 5 Gpa.	Earth and Planetary Science Letters	278,	350-360.
10-489	W.U. Mueller a,□, J. Stix b, P.L. Corcoran c, R. Daigneault,	2009,	Subaqueous calderas in the Archean Abitibi greenstone belt: An overview and new ideas.	Ore Geology Reviews,	35,	4-46.
10-504	A. S. MARSHALL1, R. MACDONALD1,2*, N.W. ROGERS3, J. G. FITTON4, A. G.TINDLE3, K. NEJBERT2 AND R.W. HINTON4,	2009,	Fractionation of Peralkaline Silicic Magmas the Greater Olkaria Volcanic Complex, Kenya Rift Valley.	Journal of Petrology,	50,	323-359.
10-509	Dave McGarvie	2009,	Rhyolitic volcano–ice interactions in Iceland.	Journal of Volcanology and Geothermal Research,		online first
10-510	Fang-Zhen Teng a,b,□, Roberta L. Rudnick b, William F. McDonough b, Fu-Yuan Wu	2009,	Lithium isotopic systematics of A-type granites and their mafic enclaves: Further constraints on the Li isotopic composition of the continental crust.	Chemical Geology,		online first
10-562	Jing-Yi Lin a,e,□, Jean-Claude Sibuet a, Chao-Shing Lee b, Shu-Kun Hsu c, Frauke Klingelhoefer Yves Auffret a, Pascal Pelleau a, Jacques Crozon a, Cheng-Hong Lin,	2009,	Microseismicity and faulting in the southwestern Okinawa Trough.	Tectonophysics,	466,	268-280.
10-569	TARAS V. GERYA1,2,* , DAVID FOSSATI1, CURDIN CANTIENI1 and DIANE SEWARD1	2009,	Dynamic effects of aseismic ridge subduction: numerical modelling	Eur. J. Mineral.	21,	649-661.
12-004	漁場整備関連	2009,	水産基盤整備事業用語辞典			
12-014	J. C. NEILSON1,2, B. P. KOKELAAR1* & Q. G. CROWLEY3,4	2009,	Timing, relations and cause of plutonic and volcanic activity of the Siluro-Devonian post-collision magmatic episode in the Grampian Terrane, Scotland	Journal of the Geological Society, London,	166,	545-561.
12-015	Sergio Rocchi, Gianfranco Di Vincenzo, Claudio Ghezzi and Isabella Nardini	2009,	Granite-lamprophyre connection in the latest stages of the early Ross Orogeny (Victoria Land, Antarctica)Paleozoic	Geology,	121,	801-819
12-027	Ricardo Avanzinelli a, Michele Lustrino b,c, Massimo Mattei d, Leone Melluso e, Sandro Conticelli	2009,	Potassic and ultrapotassic magmatism in the circum-Tyrrhenian region: Significance of carbonated pelitic vs. pelitic sediment recycling at destructive plate margins.	Lithos,	113,	213-227.

12-046	W.P. Schellart	2009,	Reply to comment on "The potential influence of subduction zone polarity on overriding plate deformation, trench migration and slab dip angle".	Tectonophysics,	463,	214-217.
12-048	Carlo Doglioni	2009,	Comment on "The potential influence of subduction zone polarity on overriding plate deformation, trench migration and slab dip angle" by W.P. Schellart.	Tectonophysics,	463,	208-213.
12-261	Takeshi Kuritani a,□, Jun-Ichi Kimura b,1, Tsuyoshi Miyamoto c, Haiquan Wei d, Taketo Shimano Fukashi Maeno f, Xu Jin g, Hiromitsu Taniguchi	2009,	Intraplate magmatism related to deceleration of upwelling asthenospheric mantle: Implications from the Changbaishan shield basalts, northeast China.	Lithos,	112,	247-258.
12-284	TETSUYA SAKUYAMA1*, KAZUHIITO OZAWA1, HIROCHIKA SUMINO2 AND KEISUKE NAGAO,	2009,	Progressive Melt Extraction from Upwelling Mantle Constrained by the Kita-Matsuura Basalts in NW Kyushu, SWJapan.	Journal Petrology,	50,	725-779.
12-494	T.E. Bjørk*, K. Mair, H. Austrheim	2009,	Quantifying granular material and deformation: Advantages of combining grain size, shape, and mineral phase recognition analysis.	Journal of Structural Geology	31,	637-653.
12-565	John Chadwick a.*, Michael Perfit b, Brent McInnes c, George Kamenov b, Terry Plank Ian Jonasson e, Claire Chadwick,	2009,	Arc lavas on both sides of a trench: Slab window effects at the Solomon Islands triple junction, SW Pacific.	Earth and Planetary Science Letters,	279,	293-302.
12-628	Yaoling Niu a,□, Michael J. O'Hara	2009,	MORB mantle hosts the missing Eu (Sr, Nb, Ta and Ti) in the continental crust: New perspectives on crustal growth, crust-mantle differentiation and chemical structure of oceanic upper mantle.	Lithos,	112,	1-17.
12-631	Alberto Pizzi a,□, Fabrizio Galadini	2009,	Pre-existing cross-structures and active fault segmentation in the northern-central Apennines (Italy).	Tectonophysics,	476,	304-319.
12-636	Tristan Roussillon a, , Herve' Pie'gay b, Isabelle Sivignon c, Laure Tougne a, Franck Lavigne	2009,	Automatic computation of pebble roundness using digital imagery and discrete geometry	Computers & Geosciences	35,	1992-2000.
13-004	T.E. Bjørk*, K. Mair, H. Austrheim	2009,	Quantifying granular material and deformation: Advantages of combining grain size, shape, and mineral phase recognition analysis.	Journal of Structural Geology	31,	637-653.
13-060	Jun-Jun Zhang, Yong-Fei Zheng □, Zi-Fu Zhao	2009,	Geochemical evidence for interaction between oceanic crust and lithospheric mantle in the origin of Cenozoic continental basalts in east-central China.	Lithos,	110,	305-326.
15-054	浦辺徹郎 飯笹幸吉、石橋純一郎	2009,	最先端の地球科学の方向と鉱物資源探査への応用(その1) - Modern Analogy としての海底熱水鉱床。	資源地質	59,	43-72.
15-066	Guizhi Zhu Taras V. Gerya David A. Yuen Satoru Honda Takeyoshi Yoshida James A. D. Connolly	2009,	Three-dimensional dynamics of hydrous thermal-chemical plumes in oceanic subduction zones.	Geochemistry Geophysics Geosystems	10,	42024
15-129	Christopher Costello,5 Michael J. Fogarty,6 Elizabeth A. Fulton,7 Jeffrey A. Hutchings,1 Simon Jennings,8,9 Olaf P. Jensen,2 Heike K. Lotze,1 Pamela M. Mace,10 Tim R. McClanahan,11 C��il��n Minto,1 Stephen R. Palumbi,12 Ana M. Parma,13 Daniel Ricard,1 Andrew A. Rosenberg,14 Reg Watson,15 Dirk Zeller15	2009,	Rebuilding Global Fisheries	Science,	325,	578-585.
15-159	Barr y Ruddle k, Haibin Song, Chongzhi Dong, and Luis P in h e i r o	2009,	Water column seismic images as maps of temperature gradient.	oceanography,	22,	192-205.
15-190	Thomas W. Thompson, Bruce A. Campbell, Rebecca R. Ghent and B. Ray Hawke	2009,	Rugged crater ejecta as a guide to megaregolith thickness in the southern nearside of the Moon	geology,	37,	655-658.
15-195	Egil Ona, Valerie Mazauric, and Lars Nonboe Andersen	2009,	Calibration methods for two scientific multibeam systems	ICES Journal of Marine Science	66,	1326-1334.
16-002	John Chadwick a,□, Michael Perfit b, Brent McInnes c, George Kamenov b, Ian Jonasson e, Claire Chadwick Terry Plank d,	2009,	Arc lavas on both sides of a trench: slab window effects at the Solomon Islands triple junction, SW Pacific.	Earth and Planetary Science Letters,	279,	293-302.
16-032	Louise L. Bolge Michael J. Carr Katherine I. Milidakis Fara N. Lindsay and Mark D. Feigenson,	2009,	Correlating geochemistry, tectonics, and volcanic volume along the Central American volcanic front.	Geochemistry Geophysics Geosystems	10,	1-15(web)
16-037	I.R. MacDonald a,*, M.B. Peccini	2009,	Distinct activity phases during the recent geologic history of a Gulf of Mexico mud volcano.	Marine and Petroleum geology,	26,	1824-1830.
16-039	Michael Manga*, Maria Brumm, Maxwell L. Rudolph	2009,	Earthquake triggering of mud volcanoes.	Marine and Petroleum geology,	26,	1785-1798.
16-041	G. Etiop e a.*, A. Feyzullayev b, A.V. Milkov c, A. Waseda d, K. Mizobe d, C.H. Sun	2009,	Evidence of subsurface anaerobic biodegradation of hydrocarbons and potential secondary methanogenesis in terrestrial mud volcanoes.	Marine and Petroleum geology,	26,	1692-1703.
16-050	Laura M. Wallace1, Susan Ellis1, Kayo Miyao2, Satoshi Miura2, John Beavan1, Junichi Goto	2009,	Enigmatic, highly active left-lateral shear zone in southwest Japan explained by aseismic ridge collision.	Geology,	37,	143-146.
16-075	James A. Skinner, Jr. a* , Adriano Mazzini b	2009,	Martian mud volcanism: Terrestrial analogs and implications for formational scenarios.	Marine and Petroleum geology,	26,	1866-1878.
16-077	Editorial	2009,	Mud volcanism: Processes and implications	Marine and Petroleum	26,	1677-
16-079	Bambang P. Istadi a,*, Gatot H. Pramono b, Prihadi Sumintadireja c, Syamsu Alam d	2009,	Modeling study of growth and potential geohazard for LUSI mud volcano: East Java, Indonesia.	Marine and Petroleum geology,	26,	1724-1739.
16-080	Anna Zoprowski*, Stephen A. Miller	2009,	Modelling eruption cycles and decay of mud volcanoes	Marine and Petroleum	26,	1879-

(Marine volcanology, Kumamoto Univ.)

16-083	Editorial	2009,	Mud volcanism: Processes and implications	Marine and Petroleum geology,	26,	1677-1888.
16-094	A. Savini a,*, E. Malinverno a, G. Etiope b, C. Tessarolo a, C. Corselli	2009,	Shallow seep-related seafloor features along the Malta plateau (Sicily channel – Mediterranean Sea): Morphologies and geo-environmental control of their distribution.	Marine and Petroleum geology,	26,	1831-1848.
16-098	Galen Gisler	2009,	Simulations of the explosive eruption of superheated fluids through deformable media.	Marine and Petroleum geology,	26,	1888-1895.
16-101	Yo Fukushima a,b,*, Jim Mori a, Manabu Hashimoto a, Yasuyuki Kano	2009,	Subsidence associated with the LUSI mud eruption, East Java, investigated by SAR interferometry.	Marine and Petroleum geology,	26,	1740-1750.
16-103	D. Praeg a,*, S. Ceramicola a, R. Barbieri b, V. Unnithan c, N. Wardell	2009,	Tectonically-driven mud volcanism since the late Pliocene on the Calabrian accretionary prism, central Mediterranean Sea.	Marine and Petroleum geology,	26,	1849-1865.
16-104	Nurrochmat Sawolo, Edi Sutriyono, Bambang P. Istadi*, Agung B. Darmoyo	2009,	The LUSI mud volcano triggering controversy: Was it caused by drilling?	Marine and Petroleum geology,	26,	1766-1784.
16-105	T. Feseker a,b,*, T. Papec, K. Wallmann d, S.A. Klapp c, F. Schmidt-Schierhorn c, G. Bohrmann	2009,	The thermal structure of the Dvurechenskii mud volcano and its implications for gas hydrate stability and eruption dynamics.	Marine and Petroleum geology,	26,	1812-1823.
16-106	Heiko Sahling a,*, Gerhard Bohrmann a, Yuriy G. Artemov b, Andre' Bahr c, Markus Bru' ning a, Stephan A. Klapp a, Ingo Klauke c, Elena Kozlova d, Aneta Nikolovska a, Thomas Pape a, Anja Reitz c, Klaus Wallmann,	2009,	Vodyanitskii mud volcano, Sorokin trough, Black Sea: Geological characterization and quantification of gas bubble streams.	Marine and Petroleum geology,	26,	1799-1811.
16-108	A. Mazzini a,*, H. Svensen a, S. Planke a,b, I. Guliyev c, G.G. Akhmanov d, T. Fallik e, D. Banks	2009,	When mud volcanoes sleep: Insight from seep geochemistry at the Dashgil mud volcano, Azerbaijan.	Marine and Petroleum geology,	26,	1704-1715.
16-124	James A. Skinner, Jr. a* , Adriano Mazzini	2009,	Martian mud volcanism: Terrestrial analogs and implications for formational scenarios.	Marine and Petroleum geology,	26,	1866-1878.
16-133	Massimo Gasparona,*, Gideon Rosenbauma, Jan Wijbransb, Piero Manetti c	2009,	The transition from subduction arc to slab tearing: Evidence from Capraia Island, northern Tyrrhenian Sea	Journal of geodynamics,	47,	30-38.
16-152	Ikuko Wada, Kelin Wang	2009,	Common depth of slab-mantle decoupling: reconciling diversity and uniformity of subduction zones.	Geochemistry Geophysics Geosystems	10,	1-36.
12-297	横瀬久芳、	2008、	日本ウナギの産卵場に関する地学的アプローチ。	月刊 海洋 号外、	48、	45-58.
08-008	Alonso, B., Ercilla, G., Casas, D., Estrada, F., Farran, M., Garcia,M., Rey,D., Rubio, B.,	2008,	Late Pleistocene and Holocene sedimentary facies on the SW Galicia Bank (Atlantic NW Iberian Peninsula.	Marine Geol.,	249,	46-63.
08-020	Tripsanas, E.K., Piper, D.J.W., Jenner, K.A., Bryant, W.R.,	2008,	Submarine mass-transport facies: new perspectives on flow processes from cores on the eastern North American margin.	Sedimentology,	55,	97-136.
08-031	Got, J.-L., Monteiller, V., Monteux, J., Hassani, R., Okubo, P.,	2008,	Deformation and rupture of the oceanic crust may control growth of Hawaiian volcanoes.	Nat.,	451,	453-456.
08-053	Poppe, L.J., Eliason, A.H.,	2008,	A visual basic program to plot sediment grain-size data on ternary diagrams.	Computers Geoscience,	34,	561-565.
08-448	Pattan, J.N., Mudholkar, A.V., Sankar, S.J., Ilangovan, D.,	2008,	Drift pumice in the Central Indian Ocean Basin: Geochemical evidence.	Deep-Sea Research I,	55,	369-378.
08-449	sulpizio, R., Bonasia, R., Dellino, P., Di Vito, M.A., Volpe, L.L., Mele, D., Zanchetta, G., Sadori, L.,	2008,	Discriminating the long distance dispersal of fine ash from sustained columns or near ground ash clouds: the example of the Pomici di Avellino eruption (Somma-Vesuvius, Italy).	J. Volcanol. Geotherm. Res.,	XXX,	XXX-XXX,
08-451	Hughes, G.R., Mahood, G.A.,	2008,	Tectonic controls on the nature of large silicic calderas in volcanic arcs.	Geology,	36,	627-630.
09-012	Carn, S.M., Krueger, A.J., Krotkov, N.A., Yang, K., Evans, K.,	2008,	Tracking volcanic sulfur dioxide clouds for aviation hazard mitigation.	Nat. Hazards,	DOI 10.1007/s11069-008-9228-4	
09-036	Tuffen, H., McGarvie, D.W., Pinkerton, H., Gilbert, J.S., Brooker, R.A.,	2008,	An explosive-intrusive subglacial rhyolite eruption at Dalakvisl, Torfajokull, Iceland.	Bull Volcanol.,	70,	841-860.
09-042	Tani, K., Fiske, R.S., Tamura, Y., Kido, Y., Naka, J., Shukuno, H., Takeuchi, R.,	2008,	Sumisu volcano, Izu-Bonin arc, Japan: site of a silicic caldera-forming eruption from a small open-ocean island.	Bull Volcanol.,	70,	547-562.
09-046	Queiroz, G., Pacheco, J.M., Gaspar, J.L., Aspinall, W.P., Guest, J.E., Ferreira, T.,	2008,	the last 5000 years of activity at Sete Cidades volcano (Sao Miguel Island, Azores): implications for hazard assessment.	J. Volcanol. Geotherm. Res.,	xx	XXX-XXX,
09-047	Branney, M.J., Bonnicksen, B., Andrews, G.D.M., Ellis, B., Barry, T.L., McCurry, M.,	2008,	"Snake river (SR) - type' volcanism at the Yellowstone hotspot track: distinctive products from unusual, high-temperature silicic super-eruptions.	Bull Volcanol.,	70,	293-314.
09-051	Wang, Z., Huang, R., Huang, J., He, Z.,	2008,	P-wave velocity and gradient images beneath the Okinawa trough.	Tectonophysics,	455,	1-13.
09-065	小林哲夫, 棚瀬充史,	2008,	九州南部～トカラ列島および沖縄トラフの火山岩のK-Ar年代.	地球惑星合同大会		
09-066	及川輝樹, 中野俊,	2008,	トカラ列島の火山の噴煙史.	地球惑星合同大会		
09-071	中野俊, 下司信夫, 小林哲夫, 齋藤眞,	2008,	20万分の1地質図幅「中之島及び宝島」.	産業総合研究所,	地質調査総合センター	
09-073	植田義夫, 岩瀬洋, 春日茂,	2008,	西太平洋の地形と磁・重力異常から求めた海洋地殻構造と海山の地球物理パラメーター.	海洋情報研究報告,	44,	17-41.
09-075	中野俊, 下司信夫,	2008,	鹿児島県トカラ列島, 小臥蛇島火山の概要.	地質調査研究報告,	59,	197-201.
09-076	Andrews, B.J., Gardner, J.E., Housh, T.B.,	2008,	Repeated recharge, assimilation, and hybridization in magmas erupted from El Chichon as recorded by plagioclase and amphibole phenocrysts.	J. Volcanol. Geotherm. Res.,	175,	415-426.
09-083	Hacker, B.R., Mehl, L., Kelemen, P.B., Rioux, M., Behn, M.D., Luffi, P.,	2008,	Reconstruction of the Talkeetna interoceanic arc Alaska through thermobarometry.	Jour. Geophys. Res.,	113,	B03204.
09-085	Kovalev, K.R., Kalinin, Y.A., Naumov, E.A., Pirajno, F., Borisenko, A.S.,	2008,	A mineralogical study of the Suzdal sediment-hosted gold deposit, Eastern Kazakhstan: implications for ore genesis.	Ore Geol. Rev.,	x x	x x x

(Marine volcanology, Kumamoto Univ.)

09-093	Canet, C., Prol-Ledesma, R.M., Bandy, W.L., Schaaf, P., Linares, C., Camprubi, A., Tauler, E., Mortera-Gutierrez, C.,	2008,	Mineralogical and geochemical constraints on the origin of ferromanganese crusts from the Rivera Plate (western margin of Mexico).	Marine Geol.,	251,	47-59.
09-094	Beck, M., Dellwing, O., Schnetger, B., Brumsack, H.-J.,	2008,	Cycling of trace metals (Mn, Fe, Mo, U, V, Cr) in deep pore waters of intertidal flat sediments.	Geochim. et Cosmochim. Acta,	72,	2822-2840.
09-121	Glasby, G.P., Iizasa, K., Hannington, M., Kubota, H., Notsu, K.,	2008,	Mineralogy and composition of Kuriko deposits from northeastern Honshu and their possible modern analogues from the Izu-Ogasawara (Bonin) Arc south of Japan: Implications for mode of formation.	Ore Geol. Rev.,	34,	547-560.
09-130	Ishibashi, J.-I., Nakaseama, M., Seguchi, M., Yamashita, T., Doi, S., Sakamoto, T., Shimada, K., Shimada, N., Noguchi, T., Omori, T., Kusakabe, M., Yamanaka, T.,	2008,	Marine shallow-water hydrothermal activity and mineralization at the Wakamiko crater in Kagoshima bay, south Kyushu, Japan.	Journal of Volcanology and geothermal research,	173,	84-98.
10-015	Smirnov, A., Hausner, D., Laffers, R., Strongin, D.R., Schoonen, A.A.,	2008,	Abiotic ammonium formation in the presence of Ni-Fe metals and alloys and its implications for the Hadean nitrogen cycle.	Geochemical Transactions,	9,	doi:10.1186/1467-4866-9-5
10-018	Pereira, M.D., Peinado, M., Blanco, J.A., Yenes, M.,	2008,	geochemical characterization of serpentinites at Cabo Ortegal, northwestern Spain.	The Canadian Mineralogist,	46,	317-327.
10-042	Ventura, G., Vilardo, G.,	2008,	Emplacement mechanism of gravity flows inferred from high resolution lidar data: The 1944 Somma-Vesuvius lava flow (Italy).	Geomorphology,	95,	223-235.
10-048	Bickford, M.E., Siegel, D.I., Mottl, M.J., Hill, B.M., Shosa, J.,	2008,	Strontium isotopic relations among pore fluids, serpentine matrix, and harzburgite clast, South Chamorro Seamount, Mariana forearc.	Chemical Geology,	256,	24-32.
10-050	Wheat, C.G., Fryer, P., Fisher, A.T., Hulme, S., Jannasch, H., Mottl, M.J., Becker, K.,	2008,	Borehole observations of fluid flow from South Chamorro Seamount, an active serpentinite mud volcano in the Mariana forearc.	Earth and Planetary Science Letters,	267,	401-409.
10-060	Tatsumi, Y.,	2008,	Making continental crust: The sanukitoid connection.	Chinese Science Bulletin,	53,	1620-
10-061	Haraguchi, S., Ishii, T., Kimura, J.-I.,	2008,	Early tholeiitic and calc-alkaline arc magmatism of middle to Late Eocene age in the southern Ogasawara (Bonin) forearc.	Contrib. Mineral. Petrol.,	155,	593-618.
10-071	Oakley, A.J., Taylor, B., Moore, G.F.,	2008,	Pacific plate subduction beneath the central Mariana and Izu-Bonin fore arcs: New insights from an old margin.	Geochem. Geophys. Geosyst.,	9,	Q06003, doi: 10.1029/2007GC000
10-079	Chapp, E., Taylor, B., Oakley, A., Moore, G.F.,	2008,	A seismic stratigraphic analysis of Mariana forearc basin evolution.	Geochem. Geophys. Geosyst.,	9,	Q10X02, doi: 10.1029/2008GC000
10-093	濱中望, 菅浩伸, 中島洋典, 堀信行・岡本健裕, 大橋倫也, 安達寛,	2008,	吐噶喇列島・小室島の完新世隆起サンゴ礁段丘地形と堆積構造.	Okayama University Earth Science Reports,	15,	33-65.
10-112	加賀美英雄,	2008,	東シナ海大陸棚の地学的外観.	城西大学研究年報, 自然科学部	31,	13-27.
10-136	Riisshuus, M.S., Peate, D.W., Tegner, C., Wilson, J.R., Brooks, C.K.,	2008,	Petrogenesis of cogenetic silica-oversaturated and -undersaturated syenites by periodic recharge in a crustally contaminated magma chamber: the Kangerlussuaq intrusion, East Greenland.	Journal of Petrology,	49,	493-522.
10-137	Finney, B., Turner, S., Hawkesworth, C., Larsen, J., Nye, C., George, R., Bindeman, I., Eichelberger, J.,	2008,	Magmatic differentiation at an island-arc caldera: Okmok volcano, Aleutian Islands.	Journal of Petrology,	49,	857-884.
10-140	Zellmer, G.F., Annen, C.,	2008,	An introduction to magma dynamics.	Geological Society, London, Special Publications	304,	1-13.
10-142	Bryan, S.E., Ferrari, L., Reiners, P.W., Allen, C.M., Petrone, C.M., Ramos-Rosique, A., Campbell, I.H.,	2008,	New insights into crustal contributions to large-volume rhyolite generation in the Mid-Tertiary Sierra Madre Occidental province, Mexico, revealed by U-Pb geochronology.	Journal of Petrology,	49,	47-77.
10-150	Deering, C.D., Cole, J.W., Vogel, T.A.,	2008,	A rhyolite compositional continuum governed by lower crustal source conditions in the Taupo volcanic zone, New Zealand.	Journal of Petrology,	49,	2245-2276.
10-152	Tibaldi, A., Pasquare, F.A.,	2008,	A new mode of inner volcano growth: the "flower intrusive structure"	Earth and Planetary Science Letters,	271,	202-208.
10-154	Reubi, O., Blundy, J.,	2008,	Assimilation of plutonic roots, formation of High-K 'Exotic' melt inclusions and Genesis of andesitic magmas at volcan De Colima, Mexico.	Journal of Petrology,	49,	2221-2243.
10-155	Brophy, J.G.,	2008,	A study of rare earth element (REE)-SiO <sub>2</sub> variations in felsic liquids generated by basalt fractionation and amphibolite melting: a potential test for discriminating between the two different processes.	Contrib. Mineral. Petrol.,	156,	337-357.
10-157	Bachmann, O., Bergantz, G.W.,	2008,	Rhyolites and their source mushes across tectonic setting.	Journal of Petrology,	49,	2277-2287.
10-159	Charlier, B.L.A., Wilson, C.J.N., Davidson, J.P.,	2008,	Rapid open-system assembly of a large silicic magma body: time-resolved evidence from cored plagioclase crystals in the Oruanui eruption deposits, New Zealand.	Contrib. Mineral. Petrol.,	156,	799-813.
10-174	Arkwright, J.C., Rutter, E.H., Brodie, K.H., Llana-Fuñez, S.,	2008,	Role of porosity and dehydration reaction on the deformation of hot-pressed serpentinite aggregates.	Journal of the Geological Society,	165,	639-649.
10-175	Evans, R.J., Stewart, S.A., Davies, R.,	2008,	The structure and formation of mud volcano summit calderas.	Journal of Geodynamics,	165,	769-780.
10-228	M.E. Bickford a, □, Donald I. Siegel a, Michael J. Mottl b, Barbara M. Hill a, Jennifer Shosa	2008,	Strontium isotopic relations among pore fluids, serpentine matrix, and harzburgite clast, South Chamorro Seamount, Mariana forearc.	Chemical Geology 256 (2008) 24–32	256,	24–32
10-238	BENJAMIN FINNEY1, SIMON TURNER2*, CHRIS HAWKESWORTH1, JESSICA LARSEN3, CHRIS NYE3, RHIANNON GEORGE2, ILYA BINDEMAN4 AND JOHN EICHELBERGER3	2008,	Magmatic Differentiation at an Island-arc Caldera: Okmok Volcano, Aleutian Islands, Alaska	Journal of Petrology,	49,	857-884.
10-246	OLIVIER REUBI* AND JON BLUNDY	2008,	Assimilation of plutonic roots, formation of High-K 'Exotic' melt inclusions and Genesis of andesitic magmas at volcan De Colima, Mexico.	Journal of Petrology,	49,	2221-2243.



10-247	C. D. DEERING <sup>1</sup> *, J.W. COLE <sup>1</sup> AND T. A.VOGEL <sup>2</sup>	2008,	A Rhyolite Compositional Continuum Governed by Lower Crustal Source Conditions in the Taupo Volcanic Zone, New Zealand	Journal of Petrology,	49,	2245-2276
10-248	OLIVIER BACHMANN* AND GEORGEW. BERGANTZ	2008,	Rhyolites and their Source Mushes across tectonic settings	Journal of Petrology,	49,	2277-2285.
10-254	水産庁	2008,	世界初！産卵海域で成熟ウナギの捕獲に成功			
10-260	Haibo Zou a,□, Qicheng Fan b, Yupeng Yao	2008,	U–Th systematics of dispersed young volcanoes in NE China: Asthenosphere upwelling caused by piling up and upward thickening of stagnant Pacific slab	Chemical Geology,	255,	134-142.
10-262	S.R. Allen a,□, R.S. Fiske b, K.V. Cashman	2008,	Quenching of steam-charged pumice: Implications for submarine pyroclastic volcanism	Earth and Planetary Science Letters	274,	40-49.
10-275	SCOTT E. BRYAN <sup>1</sup> *, LUCA FERRARI <sup>2</sup> , PETERW. REINERS <sup>1y</sup> , CHARLOTTE M. ALLEN <sup>3</sup> , CHIARAM. PETRONE <sup>4</sup> ALDO RAMOS-ROSIQUE <sup>2,5</sup> AND IAN H. CAMPBELL <sup>3</sup>	2008,	New Insights into Crustal Contributions to Large-volume Rhyolite Generation in the Mid-Tertiary Sierra Madre Occidental province, Mexico, revealed by U–Pb geochronology.	Journal of Petrology,	49,	47-77.
10-278	Gwyneth R. Hughes* and Gail A. Mahood	2008,	Tectonic controls on the nature of large silicic calderas in volcanic arcs	Geology,	36,	627-630.
10-293	OLIVIER BACHMANN* AND GEORGEW. BERGANTZ	2008,	Rhyolites and their Source Mushes across tectonic settings.	Journal of Petrology,	49,	2277-2285.
10-306	James G. Brophy	2008,	A study of rare earth element (REE)–SiO <sub>2</sub> variations in felsic liquids generated by basalt fractionation and amphibolite melting: a potential test for discriminating between the two different processes	Contrib. Mineral. Petrol.,	156,	337-357.
10-314	Allen F. Glazner, Drew S. Coleman and John M. Bartley	2008,	The tenuous connection between high-silica rhyolites and granodiorite plutons.	Geology,	36,	183-186.
10-383	G.P. Glasby a,□, K. Iizasa b, M. Hannington c, H. Kubota d, K. Notsu	2008,	Mineralogy and composition of Kuroko deposits from northeastern Honshu and their possible modern analogues from the Izu-Ogasawara (Bonin) Arc south of Japan: Implications for mode of formation .	Ore Geology Reviews,	34,	547-560.
10-385	Jun-ichiro Ishibashi a,□, Miwako Nakaseama a, Mariko Seguchi a, Toru Yamashita a, Shinsuke Doi Takeaki Sakamoto a, Kazuhiko Shimada a, Nobutaka Shimada a, Takuroh Noguchi Tamotsu Oomori b, Minoru Kusakabe c, Toshiro Yamanaka	2008,	Marine shallow-water hydrothermal activity and mineralization at the Wakamiko crater in Kagoshima bay, south Kyushu, Japan	Journal of Volcanology and Geothermal Research,	173,	84-98.
10-386	C. D. DEERING <sup>1</sup> *, J.W. COLE <sup>1</sup> AND T. A.VOGEL <sup>2</sup>	2008,	A Rhyolite Compositional Continuum Governed by Lower Crustal Source Conditions in the Taupo Volcanic Zone, New Zealand by Lower Crustal Source Conditions in the Taupo Volcanic Zone, New Zealand.	Journal of Petrology,	49,	2245-2276.
10-414	MORTEN S. RIISHUUS <sup>1</sup> *, DAVID W. PEATE <sup>2</sup> , CHRISTIAN TEGNER <sup>1</sup> , J. RICHARD WILSON <sup>1</sup> AND C. KENT BROOKS <sup>3</sup>	2008,	Petrogenesis of Cogenetic Silica-Oversaturated and -Undersaturated Syenites by Periodic Recharge in a Crustally Contaminated Magma Chamber: the Kangerlussuaq Intrusion, East Greenland.	Journal of Petrology,	49,	493-522.
10-428	L.J. Poppea , A.H. Eliasonb	2008,	A Visual Basic program to plot sediment grain-size data on ternary diagrams.	Computers & Geosciences,	34,	561-565.
10-441	N. I. Filatova,	2008,	Specifics of Magmatism in Marginal Continental and Marginal-Sea Pull-Apart Basins: Western Periphery of the Pacific Ocean.	Petrology,	16,	448-467.
10-444	A. Di Roberto a,b,□, I. M. Rosi b, A. Bertagnini b, M.P. Marani c, F. Gamberi c, A. Del Principe	2008,	Deep water gravity core from the Marsili Basin (Tyrrhenian Sea) records Pleistocene–Holocene explosive events and instability records Pleistocene–Holocene explosive events and instability.	Journal of Volcanology and Geothermal Research,		online
10-483	濱中望, 菅浩伸, 中島洋典, 堀信行, 岡本健裕, 大橋倫也, 安達寛,	2008,	吐噶喇列島・小室島の完新世隆起サンゴ礁段丘地形と堆積構造	OKAYAMA University Earth Science Reports,	15,	33-65.
10-486	Tonny B. Thomsen □, Max W. Schmidt	2008,	Melting of carbonated pelites at 2.5–5.0 GPa, silicate–carbonate liquid immiscibility, and potassium–carbon metasomatism of the mantle.	Earth and Planetary Science Letters,	267,	17-31.
10-492	Johannes Baier a, Andreas Audétat a,b, Hans Keppler	2008,	The origin of the negative niobium tantalum anomaly in subduction zone magmas.	Earth and Planetary Science Letters,	267,	290-300.
10-505	Shanaka de Silva	2008,	Arc magmatism, calderas, and supervolcanoes	Geology,	36,	671-672.
10-511	A. Aiuppa a,b, D.R. Baker c,d,□, J.D. Webster,	2008,	Halogens in volcanic systems	Chemical Geology,		online first
10-523	W.P. Schellart	2008,	Subduction zone trench migration: Slab driven or overriding-plate-driven?	Physics of the Earth and Planetary Interiors	170,	73-88.
10-524	Stuart R. Clarka,*, Dave Stegmanb, R. Dietmar Müller	2008,	Episodicity in back-arc tectonic regimes	Physics of the Earth and Planetary Interiors	171,	265-279.
10-537	Alexander Smirnov* <sup>1</sup> , Douglas Hausner <sup>2</sup> , Richard Laffers <sup>1</sup> , Daniel R Strongin <sup>2</sup> and Martin A.A. Schoonen <sup>1</sup>	2008,	Abiotic ammonium formation in the presence of Ni-Fe metals and alloys and its implications for the Hadean nitrogen cycle	Geochemical Transactions	9,	Page 1 of 20doi:10.1186/1467-4866-9-
12-034	Jean-Pierre Brun a,□, Claudio Faccenna	2008,	Exhumtion of high-pressure rocks driven y slab rollback.	Earth and Planetary Science Letters	272,	1-7.
12-040	W.P. Schellart	2008,	Subduction zone trench migration: Slab driven or overriding-plate-driven?	Physics of the Earth and Planetary Interiors	170,	73-88.
12-044	Stuart R. Clarka,*, Dave Stegmanb, R. Dietmar Müller	2008,	Episodicity in back-arc tectonic regimes.	Physics of the Earth and Planetary Interiors	171,	265-279.
12-051	W.P. Schellart a,□, D.R. Stegman b, J. Freeman	2008,	Global trench migration velocities and slab migration induced upper mantle volume fluxes: Constraints to find an Earth reference frame based on minimizing viscous dissipation.	Earth-Science Reviews	88,	118-144.
12-118	internet file	2008,	Species Profile: American Eel Management Program Seeks to Improve Our Understanding of Species Through Data Collection.	American Eel Profile		1-3

(Marine volcanology, Kumamoto Univ.)

12-256	M.E. Bickford a,□, Donald I. Siegel a, Michael J. Mottl b, Barbara M. Hill a, Jennifer Shosa c	2008,	Strontium isotopic relations among pore fluids, serpentine matrix, and harzburgite clasts, South Chamorro Seamount, Mariana forearc	Chemical Geology	256,	24-32.
12-264	S.R. Allen a,□, R.S. Fiske b, K.V. Cashman.	2008,	Quenching of steam-charged pumice: Implications for submarine pyroclastic volcanism.	Earth and Planetary Science Letters,	274,	40-49.
12-277	Masahiko Yagi a,□, Takeshi Ohguch b, I. Fumio Akiba c, Takeyoshi Yoshida d, Tokiko Ti	2008,	The Fukuyama volcanic rocks: Submarine composite volcano in the Late Miocene to Early Pliocene Akita-Yamagata back-arc basin, northeast Honshu, Japan.	Sedimentary Geology,	220,	243-255.
12-360	S.T. Bolmer	2008,	A note on the development of the bathymetry of the continental margin west of the Antarctic Peninsula from 651 to 711S and 651 to 781W	Deep-Sea Research II	55,	271-276.
12-486	Paul J. Heartya*, Storrns L. Olson	2008,	Mega-highstand or megatsunami? Discussion of McMurtry et al., (Elevated marine deposits in Bermuda record a late Quaternary megatsunami: Sed. Geol. 200(2007) 155-165).	Sedimentary Geology,	203,	307-312.
12-493	Melissa R. Cox □, Muniram Budhu	2008,	A practical approach to grain shape quantification.	Engineering Geology,	96,	1-16.
12-519	Akinori Hashima □, Yukitoshi Fukahata, Mitsuhiro Mats'u'ura	2008,	3-D simulation of tectonic evolution of the Mariana arc-back-arc system with a coupled model of plate subduction and back-arc spreading.	Tectonophysics,	458,	127-136.
12-564	MORTEN S. RIISHUUS1 DAVID W. PEATE CHRISTIAN TEGNER1 J. RICHARD WILSON1 AND C. KENT BROOKS3,	2008,	Petrogenesis of Cogenetic Silica-Oversaturated and Undersaturated Syenites by Periodic Recharge in a Crustally Contaminated Magma Chamber: the Kangerlussuaq Intrusion, East Greenland.	Journal of Petrology,	49,	493-522.
12-635	Bernhard Klingseisen a,b,*, Graciela Metternicht c, Gernot Paulus	2008,	Geomorphometric landscape analysis using a semi-automated GIS-approach.	Environmental Modelling & Software	23,	109-121.
12-637	Pierre Callot □, Francis Odonne, Thierry Sempere	2008,	Liquification and soft-sediment deformation in a limestone megabreccia: The Ayabacas giant collapse, Cretaceous, southern Peru.	Sedimentary Geology,	212,	49-69.
12-653	ROBERT J. STERN,1,* YOSHIHIKO TAMURA,2 ROBERT W. EMBLEY,3 OSAMU ISHIZUKA,4 SUSAN G. MERLE,3 NEIL K. BASU,1 HIROSHI KAWABATA2 AND SHERMAN H. BLOOMER5	2008,	Evolution of West Rota Volcano, an extinct submarine volcano in the southern Mariana Arc: Evidence from sea floor morphology, remotely operated vehicle observations and 40Ar-39Ar geochronological studies	Island Arc,	17,	70-89.
13-002	Pierre Callot, Francis Odonne, Thierry Sempere	2008,	Liquification and soft-sediment deformation in a limestone megabreccia: The Ayabacas giant collapse, Cretaceous, southern Peru.	Sedimentary Geology,	212,	49-69.
13-003	Melissa R. Cox □, Muniram Budhu,	2008,	A practical approach to grain shape quantification.	Engineering Geology,	96,	1-16.
13-005	Akinori Hashima □, Yukitoshi Fukahata, Mitsuhiro Mats'u'ura	2008,	3-D simulation of tectonic evolution of the Mariana arc-back-arc system with a coupled model of plate subduction and back-arc spreading.	Tectonophysics,	458,	127-136.
13-042	K. Neufeld a,*, U. Ring b, F. Heidelbach c, S. Dietrich a, R.D. Neuser	2008,	Omphacite textures in eclogites of the Tauern Window: Implications for the exhumation of the Eclogite zone, Eastern Alps.	Journal of Structural Geology	30,	976-992.
13-086	Saskia Goes1, Fabio A. Capitano2† & Gabriele Morra2	2008,	Evidence of lower-mantle slab penetration phases in plate motions.	nature,	451,	981-984.
15-015	Zhi Wang a,b,c,□, Runqiu Huang b, Jinli Huang d, Zhenhua He	2008,	P-wave velocity and gradient images beneath the Okinawa Trough	Tectonophysics,	455,	1-13.
15-065	Nautilus Minerals Inc	2008,	Mineral Resource Estimate Solwara 1 Project Bismarck Sea Papua New Guinea			1-110
15-107	Stephen H. Richardson1 & Steven B. Shirey2	2008,	Continental mantle signature of Bushveld magmas and coeval diamonds.	Nature,	453,	910-913.
15-226	J. K. Hillier,F.Tilmann and N.Hovius	2008,	Editorial Submarine geomorphology: new views on an 'unseen' landscape.	BasinResearch,	20,	467-472.
15-232	S.R. Allen a,□, R.S. Fiske b, K.V. Cashman	2008,	Quenching of steam-charged pumice: Implications for submarine pyroclastic volcanism	Earth and Planetary Science Letters	274,	40-49.
15-304	MARIAN B. HOLNESS, EDWARD W. SAWYER	2008,	On the Pseudomorphing of Melt-filled Pores During the Crystallization of Migmatites	Journal of Petrology,	49,	1343-1363.
16-010	Roland von Huene,	2008,	When seamounts subduct.	Science,	321,	1165-1168.
16-011	Kimihiko Mochizuki,1* Tomoaki Yamada,1 Masanao Shinohara,1 Yoshiko Yamanaka,2 Toshihiko Kanazawa	2008,	Weak interplate coupling by seamounts and repeating M ~ 7 earthquakes.	Science,	321,	1194-1197.
16-076	A. Mazzini a,*, H. Svensen a, S. Planke a,b, I. Guliyev c, G.G. Akhmanov d, T. Fallik e, D. Banks f	2008,	When mud volcanoes sleep: Insight from seep geochemistry at the Dashgil mud volcano, Azerbaijan.	Marine and Petroleum geology,	xxx	1-13,
12-611	Hisashi Oiwane*, Satoshi Tonai* and Shoichi Kiyokawa	2007,	Structural history of northern Koshiki Islands and northern Okinawa Trough (in Japanese).	Journal of the Sedimentological Society of Japan	64,	137-141.
07-216	下司信夫, 中野 俊	2007,	鹿児島県トカラ列島の島火山の形成史と噴火活動履歴.	地質調査研究報告,	58,	105-
07-218	下司信夫, 石塚治,	2007,	琉球弧の火山活動.	地質ニュース,	634,	6-9.
07-227	気象庁,	2007,	噴火時等の避難体制に対応した火山情報の改善について.	報道発表資料,		2 p.
07-253	Oakley, A.J., Taylor, B., Fryer, P., Moore, G.F., Goodliffe, A.M., Morgan, J.K.,	2007,	Emplacement, growth, and gravitational deformation of serpentinite seamounts on the Mariana forearc.	Geophys. J. Int.,	170,	615-634.
07-254	横瀬久芳,	2007,	九州四大カルデラの南方延長: トカラ列島の巨大海底カルデラ群. 海洋プレートと島弧の深部構造 I -IODP超深度掘削へ向けて-. 月刊地球, 29, 561-569.	月刊地球,	29,	561-569.
07-255	前川寛和, 永田幸久, 藤岡換太郎, 千葉仁, 前田七生, 横瀬久芳, 藤本悠太, 佐藤創, 山本剛志, 和田穰隆, 平内健一, 村田恵子, 高江洲盛史	2007,	マリアナ前弧のオフィオライト基盤と蛇紋岩海山-かいれいKR06-15航海の成果を踏まえて-. 海洋プレートと島弧の深部構造 II -IODP超深度掘削へ向けて-. 月刊地球,	月刊地球,	29,	599-605.
08-009	Yokose, H., Kanamatsu, T.,	2007,	Reinterpretation of the Alika debris-avalanche deposits, West Hawaii: multiple slope failures.	JRRD,	6,	1-19.

08-028	Pochat, S., Driessche, J.V.D.,	2007,	Impact of synsedimentary metre-scale normal fault scarps on sediment gravity flow dynamics: An example from the Gres d'Annot Formation, SE France.	Sedimentary Geol.,	202,	796-820.
08-038	Sylvester, Z.,	2007,	Turbidite bed thickness distributions: methods and pitfalls of analysis and modelling.	Sedimentology,	54,	847-870.
08-047	Kolla, V., Posamentier, H.W., Wood, L.J.,	2007,	Deep-water and fluvial sinuous channels-Characteristics, similarities and dissimilarities, and modes of formation.	Marine and Petroleum Geology,	24,	388-405.
08-052	Drevin, G.R.,	2007,	Computational methods for the determination of roundness of sedimentary particles.	Math. Geol.,	38,	871-890.
08-445	Carey, S., Sigurdsson, H.,	2007,	Exploring submarine arc volcanoes.	Oceanography,	20,	80-89.
09-005	Tivey, M.K.,	2007,	Generation of seafloor hydrothermal vent fluids and associated mineral deposits.	Oceanography,	20,	50-65.
09-050	Embley, R.W., Baker, E.T., Butterfield, D.A., Chadwick Jr, W.W., Lupton, J.E., Resing, J.A., de Ronde, C.E.J., Nakamura K.-I., Tunncliffe, V., Dower, J.F., Merle, S.G.,	2007,	Exploring the submarine ring of fire, Mariana arc - Western Pacific.	Oceanography,	20,	68-79.
09-069	植田義夫, 小野寺建英, 熊川浩一, 小山薫,	2007,	諏訪瀬島の地磁気異常と3次元磁気構造.	火山,	52,	211-220.
10-006	Hillier, J.K.,	2007,	Pacific seamount volcanism in space and time.	Geophys. J. Int.,	168,	877-889.
10-023	Glasby, G.P., Ren, X., Shi, X., Pulyaeva, I.A.,	2007,	Co-rich Mn crusts from the Magellan Seamount cluster: the long journey through time.	Geo-Mar Lett	27,	315-323.
10-062	Haraguchi, S., Ishii, T.,	2007,	Simultaneous boninitic and arc-tholeiitic volcanisms in the Izu forearc region during early arc volcanism, based on ODP Leg 125.	Contrib. Mineral. Petrol.,	153,	509-531.
10-141	Hildreth, W., Wilson, J.M.,	2007,	Compositional zoning of the Bishop tuff.	Journal of Petrology,	48,	951-999.
10-221	Andrew J. L. Harris & Jonathan Dehn & Sonia Calvari	2007,	Lava effusion rate definition and measurement: a review	Bull volcanol,	70,	1-22.
10-229	Narumi Takahashi, Shuichi Kodaira, Simon L. Klemperer, Yoshiyuki Tatsumi, Yoshiyuki Kaneda and Kiyoshi Suyehiro	2007,	Crustal structure and evolution of the Mariana intra-oceanic island arc	Geology,	35,	203-206
10-240	WES HILDRETH1* AND COLIN J. N.WILSON2	2007,	Compositional Zoning of the BishopTuff	Journal of Petrology,	48,	951-999.
10-307	Satoru Haraguchi & Teruaki Ishii	2007,	Simultaneous boninitic and arc-tholeiitic volcanisms in the Izu forearc region during early arc volcanism, based on ODP Leg 125 site 786	contrib Mineral Petrol,	153,	509-531.
10-308	Geoffrey P. Glasby & Xiangwen Ren & Xuefa Shi & Irina A. Pulyaeva	2007,	Co-rich Mn crusts from the Magellan Seamount cluster: the long journey through time	Geo-Mar Lett,	27,	315-323.
10-312	Paul Bishop	2007,	Long-term landscape evolution: linking tectonics and surface processes.	Earth Surf. Process. Landforms,	32,	329-365.
10-316	Günther R. Drevin2,3	2007,	Computational Methods for the Determination of Roundness of Sedimentary Particles1	Mathematical Geology,	38,	871-890.
10-324	David R. Sherrod, John M. Sinton, Sarah E. Watkins, and Kelly M. Brunt	2007,	Geologic Map of the State of Hawai'i	Open-File Report 2007-1089	U.S. Geological Survey, Reston,	
10-367	WES HILDRETH1* AND COLIN J. N.WILSON	2007,	Compositional Zoning of the BishopTuff	Journal of Petrology,	48,	951-999.
10-397	V. Kollaa, , H.W. Posamentierb, L.J. Wood,	2007,	Deep-water and fluvial sinuous channels—Characteristics, similarities and dissimilarities, and modes of formation.	Marine and Petroleum Geology,	24,	288-405.
10-423	Michelle L. Coombs a,□, Scott M. White b, David W. Scholl,	2007,	Massive edifice failure at Aleutian arc volcanoes.	Earth and Planetary Science Letters,	256,	403-418.
10-459	B. RONALD FROST1* ANDJAMES S. BEARD2	2007,	On Silica Activity and Serpentinization	Journal of Petrology,	48,	1351-1368.
10-491	Atsushi Goto a,□, Keitaro Kunugiza b, Soichi Omori	2007,	Evolving fluid composition during prograde metamorphism in subduction zones: A new approach using carbonate-bearing assemblages in the pelitic system.	Gondwana Research,	11,	166-179.
10-494	Massimo D'Orazio a,b,□, Fabrizio Innocenti a,b, Sonia Tonarini b, Carlo Doglioni	2007,	Carbonatites in a subduction system: The Pleistocene alvikites from Mt. Vulture (southern Italy).	Lithos,	98,	313-334.
10-496	Ha'kan Westerberg , Ingvar Lagenfelt, and Henrik Sveda'ng,	2007,	Silver eel migration behaviour in the Baltic.	International Council for the Exploration of the Sea		doi:10.1093/icesjms/ifs079
10-525	W.P. Schellart	2007,	The potential influence of subduction zone polarity on overriding plate deformation, trench migration and slab dip angle.	Tectonophysics,	445,	363-372.
10-561	Jing-Yi Lin1,4,* , Jean-Claude Sibuet1, Chao-Shing Lee2, Shu-Kun Hsu3 and Frauke Klingelhoefer1.	2007,	Origin of the southern Okinawa Trough volcanism from detailed seismic tomography.	Journal of Geophysical Research Solid Earth	112,	NIL_13-NIL_32
10-564	Jing-Yi Lin,1,2 J.-C. Sibuet,1 Chao-Shing Lee,3 Shu-Kun Hsu,4 and Frauke Klingelhoefer	2007,	Origin of the southern Okinawa Trough volcanism from detailed seismic tomography.	JOURNAL OF GEOPHYSICAL RESEARCH,	112,	doi:10.1029/2006JB004703
10-565	R.J.Stern,	2007,	When and how did plate tectonics begin? Theoretical and empirical considerations.	Chinese Science Bulletin,	52,	578-591.
10-568	W. P. Schellart1, J. Freeman1, D. R. Stegman2, L. Moresi2 & D. May2	2007,	Evolution and diversity of subduction zones controlled by slab width.	Nature,	446,	308-311.
10-574	N. Espurt, P. Baby, S. Brusset, M. Roddaz, W. Hermoza, V. Regard, P.-O. Antoine, R. Salas-Gismondi and R. Bolaños,	2007,	How does the Nazca Ridge subduction influence the modern Amazonian foreland basin?	Nature,	35,	515-518.

(Marine volcanology, Kumamoto Univ.)

10-576	Felipe Espinoza a,□, Diego Morata a, Mireille Polvé b, Yves Lagabrielle René C. Maury d, Christèle Guivel e, Joseph Cotten d, Hervé Bellon d, Manuel Suárez f	2007,	Bimodal back-arc alkaline magmatism after ridge subduction: Pliocene felsic rocks from Central Patagonia (47°S)	Lithos,	101,	191-217.
12-024	N. Mortimer, R.H. Herzer b, P.B. Gans c, C. Laporte-Magoni d, A.T. Calvert c,1, D. Bosch,	2007,	Oligocene–Miocene tectonic evolution of the South Fiji Basin and Northland Plateau, SW Pacific Ocean: Evidence from petrology and dating of dredged rocks.	Marine geology,	237,	1-24.
12-028	Teresa Orozco-Esquivel a,□, Chiara M. Petrone b, Luca Ferrari Takahiro Tagami c, Piero Manetti d	2007,	Geochemical and isotopic variability in lavas from the eastern Trans-Mexican Volcanic belt: Slab detachment in a subduction zone with varying dip.	Lithos,	93,	149-174.
12-036	A.K. Martin	2007,	Gondwana breakup via double-saloon-door rifting and seafloor spreading in a backarc basin during subduction rollback.	Tectonophysics,	445,	245-272.
12-043	Carlos Pallares a,□, René C. Maury a, Hervé Bellon b, Jean-Yves Royer Thierry Calmus c, Alfredo Aguillón-Robles d, Joseph Cotton Mathieu Benoit a, François Michaud e, Jacques Bourgeois	2007,	Slab-tearing following ridge-trench collision: evidence from Miocene volcanism in Baja California, Mexico	Journal of Volcanology and Geothermal Research	161,	95-117.
12-049	W.P. Schellart	2007,	The potential influence of subductin zone polarity on overriding plate deformation, trench migration and slab dip angle.	Tectonophysics,	445,	363-372.
12-108	Hiikan Westerberg, Ingvar Lagenfelt, and Henrik Svedang	2007,	Silver eel migration behaviour in the Baltic	ICES Journal of Marine Science,	64,	1457-1462.
12-116	Anlols SRUOGA, D~llus BUTKAUSKAS, Adom.s RAGAUSKAS, Liliias LOZYS	2007,	Investigation of genetic variability in the European eel ( <i>anguilla anguilla</i> (L.)) in Lithuania using microsatellite DNA markers.	Acla Zoologica Lill/anico,	17,	116-123.
12-120	Gulf of MaIne Counndl on the Madne Envi ronment	2007,	American eel.	Gulf or Maine Council on the Marine Environment	WIVW.gu lfo(ma I ne a rg	
12-471	V. Kollaa *,, H.W. Posamentierb, L.J. Wood	2007,	Deep-water and fluvial sinuous channels - Characteristics, similarities and dissimilarities, and modes of formation.	Marine and Petroleum Geology,	24,	388-405.
12-479	Gaty M. McMurtry a,i, David R. Tappin b,*, Peter N. Sedwick e, Ian Wilkinson Jan Fietzke d, Bruce Sell wood,	2007,	Elevated marine deposits in Bermuda record a late Quaternary megatsunami.	Sedimentary Geology,	200,	155-165.
12-487	I. Billeaud et al. I	2007,		SedimentaIy Geology	202,	774
12-500	A. I. Malyshev	2007,	Specific features of massive sulfid ore formation under submarine conditions at various depths.	Doklady Earth Sciences,	415,	751-754.
12-508	Juliane Arnold Æ Anne Bartetzko Æ Holger Paulick Æ Gerardo Iturrino	2007,	Facies reconstruction from resistivity-at-the-bit images recorded in a submarine felsic volcanic succession.	Mar. Geophys Res.,	28,	331-341.
12-526	Michelle L. Coombs a,*, Scott M. White b, David W. Scholl	2007,	Massive edifice failure at Aleutian arc volcanoes.	Earth and Planetary Science Letters,	256,	403-418.
12-619	A. Heuret a,□, F. Funiciello b, C. Faccenna b, S. Lallemand	2007,	Plate kinematics, slab shape and back-arc stress: A comparison between laboratory models and current subduction zones.	Earth and Planetary Science Letters,	256,	473-483.
12-627	Shoji Arai a,□, Natsue Abe b, Satoko Ishimaru	2007,	Mantle peridotites from the Western Pacific	Gondwana Research	11,	180-199.
13-010	KY07-04乗船研究者	2007,	「かいよう」KY07-04 北部沖繩トラフ航海クルーズレポート	JAMSTEC		
13-078	Mohamed F. Abdelwahed *,, Dapeng Zhao	2007,	Deep structure of the Japan subduction zone.	Physics of the Earth and Planetary Interiors	162,	32-52.
13-085	W. P. Schellart1, J. Freeman1, D. R. Stegman2, L. Moresi2 & D. May2	2007,	Evolution and diversity of subduction zones controlled by slab width.	nature,	446,	308-311.
15-019	Valerio Acocella	2007,	Understanding caldera structure and development: An overview of analogue models compared to natural calderas	Earth Science Reviews,	85,	125-160.
15-063	R. Q. Grafton,1* T. Kompas,1 R. W. Hilborn	2007,	Economics of Overexploitation Revisited	Science,	318,	1601-
15-072	小林哲夫、 矢野徹	2007,	Geology, geologic structure, and hot springs in southern Kyushu, Japan	温泉科学	57,	42337
15-221	J. Schneider von Deimling J. Brockhoff J. Greinert,	2007,	Flare imaging with multibeam systems: Data processing for bubble detection at seeps.	Geochemistry Geophysics Geosystems	8,	1-7.
15-255	Takafumi Sonehara □, Satoru Harayama	2007,	Petrology of the Nohi Rhyolite and its related granitoids: A Late Cretaceous large silicic igneous field in central Japan.	Journal of Volcanology and Geothermal Research	167,	57-80.
15-266	井 上 卓 彦	2007,	東シナ海における地質構造発達史 —研究レビュー—	地質ニュース、	633,	37-44.
15-320	Carmen Gaina a, Dietmar Müller	2007,	Cenozoic tectonic and depth/age evolution of the Indonesian gateway and associated back-arc basins.	Earth Science Reviews,	83,	177-203.
15-340	A. J. Oakley,1 B. Taylor,1 P. Fryer,2 G. F. Moore,1 A. M. Goodliffe3 and J. K. Morgan	2007,	Emplacement, growth, and gravitational deformation of serpentinite seamounts of the Mariana forearc.	Geophys. J. Int.,	170,	615-634.
16-088	W. P. Schellart1, J. Freeman1, D. R. Stegman2, L. Moresi2 & D. May2	2007,	Evolution and diversity of subduction zones controlled by slab width.	nature	446,	308-311
16-162	Jason D. Chaytor, Randall A. Keller, Robert A. Duncan, Robert P. Dziak,	2007,	Seamount morphology in the Bowie and Cobb hot spot trails, Gulf of Alaska.	Geochemistry Geophysics Geosystems	9,	1-26.
12-287	桑水流淳二、	2006,	宇治群島および草垣群島の地質。	鹿児島県立博物館研究報告	25,	1-11.
15-070	Franck Courchamp*, Elena Angulo[, Philippe Rivalan[, Richard J. Hall[, Laetitia Signoret, Leigh Bull, Yves Meinard	2006,	Rarity Value and Species Extinction: The Anthropogenic Allee Effect	PLoS BIOLOGY	12,	
15-264	荒井、章司	2006,	第2章 日本海と日本列島の成り立ち			
10-064	Ishizuka, O., Taylor, R.N., Milton, J.A., Nesbitt, R.W., Yuasa, M., Sakamoto, I.,	2006,	Variation in the mantle sources of the northern Izu arc with time and space --- Constraints from high-precision Pb isotopes.	Journal of volcanology and Geothermal research,	156,	266-290.

(Marine volcanology, Kumamoto Univ.)

06-009	Wanless, V.D., Garcia, M.O., Rhodes, J.M., Weis, D., and Norman, M.D.,	2006,	Shield-stage alkalic volcanism on Mauna Loa volcano, Hawaii.	J. Volcanol. Geotherm. Res.	151,	141-155.
06-010	Eakins, B.W., Robinson, J.E.,	2006,	Submarine geology of Hana Ridge and Haleakala volcano's northeast flank, Maui.	J. Volcanol. Geotherm. Res.	151,	229-250.
06-011	Clague, D.A., Paduan, J.B., McIntosh, W.C., Cousens, B.L., Davis, A.S., and Reynolds, J.R.,	2006,	A submarine perspective of the Honolulu volcanics, Oahu.	J. Volcanol. Geotherm. Res.	151,	279-307.
06-012	Costa, A., Blake, S., and Self, S.,	2006,	Segregation processes in vesiculating crystallizing magmas.	J. Volcanol. Geotherm. Res.	(in press)	
06-014	Davis, A.S., and Clague, D.A.,	2006,	Volcaniclastic deposits from the North Arch volcanic field, Hawaii: explosive fragmentation of alkalic lava at abyssal depths.	Bull. Volcanol.	68,	294-307.
06-3001	Barry W. Eakins and Joel E. Robinson	2006,	Submarine geology of Hana Ridge and Haleakala Volcano's northeast flank, Maui	J. Volcanol. Geotherm. Res.,	151,	229-250.
06-3002	Andrew T. Calvert and Marvin A. Lanphere	2006,	Argon geochronology of Kilauea's early submarine history	J. Volcanol. Geotherm. Res.,	151,	1-18.
06-3003	Michelle L. Coombs, Thomas W. Sisson and Peter W. Lipman	2006,	Growth history of Kilauea inferred from volatile concentrations in submarine-collected basalts	J. Volcanol. Geotherm. Res.,	151,	19-49.
06-3004	Jun-Ichi Kimura, Thomas W. Sisson, Natsuko Nakano, Michelle L. Coombs and Peter W. Lipman	2006,	Isotope geochemistry of early Kilauea magmas from the submarine Hilina bench: The nature of the Hilina mantle component	J. Volcanol. Geotherm. Res.,	151,	51-72.
06-3005	Peter W. Lipman, Thomas W. Sisson, Michelle L. Coombs, Andrew Calvert and Jun-Ichi Kimura	2006,	Piggyback tectonics: Long-term growth of Kilauea on the south flank of Mauna Loa	J. Volcanol. Geotherm. Res.,	151,	73-108.
06-3006	Julia K. Morgan	2006,	Volcanotectonic interactions between Mauna Loa and Kilauea: Insights from 2-D discrete element simulations	J. Volcanol. Geotherm. Res.,	151,	109-131.
06-3007	Francis J. Sansone and John R. Smith	2006,	Rapid mass wasting following nearshore submarine volcanism on Kilauea volcano, Hawaii	J. Volcanol. Geotherm. Res.,	151,	133-139.
06-3008	Wanless, V.D., Garcia, M.O., Rhodes, J.M., Weis, D., and Norman, M.D.,	2006,	Shield-stage alkalic volcanism on Mauna Loa Volcano, Hawaii	J. Volcanol. Geotherm. Res.,	151,	141-155.
06-3009	Julia E. Hammer, Michelle L. Coombs, Patrick J. Shamberger and Jun-Ichi Kimura	2006,	Submarine sliver in North Kona: A window into the early magmatic and growth history of Hualalai Volcano, Hawaii	J. Volcanol. Geotherm. Res.,	151,	157-188.
06-3010	Lipman, P.W. and Coombs, M.L.	2006,	North Kona slump: Submarine flank failure during the early(?) tholeiitic shield stage of Hualalai Volcano	J. Volcanol. Geotherm. Res.,	151,	189-216.
06-3011	Peter Schiffman, Robert J. Watters, Nick Thompson and Anthony W. Walton	2006,	Hyaloclastites and the slope stability of Hawaiian volcanoes: Insights from the Hawaiian Scientific Drilling Project's 3-km drill core	J. Volcanol. Geotherm. Res.,	151,	217-228.
06-3012	Michelle Coombs, Barry Eakins and Peter Cervelli	2006,	Growth and collapse of Hawaiian volcanoes	J. Volcanol. Geotherm. Res.,	151,	vii-viii
06-3013	Michael O. Garcia, Sarah B. Sherman, Gregory F. Moore, Robert Goll, Irina Popova-Goll, James H. Natland and Gary Acton	2006,	Frequent landslides from Koolau Volcano: Results from ODP Hole 1223A	J. Volcanol. Geotherm. Res.,	151,	251-268.
06-3014	Julia K. Morgan, Johanna M. Resig and William G. Siesser	2006,	Microfossil assemblages on Tuscaloosa Seamount and their constraints on the age of the Nuanu landslide, north of Oahu, HI	J. Volcanol. Geotherm. Res.,	151,	269-278.
06-3015	David A. Clague, Jennifer B. Paduan, William C. McIntosh, Brian L. Cousens, Alicé S. Davis and Jennifer R. Reynolds	2006,	A submarine perspective of the Honolulu Volcanics, Oahu	J. Volcanol. Geotherm. Res.,	151,	279-307.
06-3016	Joel E. Robinson and Barry W. Eakins	2006,	Calculated volumes of individual shield volcanoes at the young end of the Hawaiian Ridge	J. Volcanol. Geotherm. Res.,	151,	309-317.
06-3019	Tatsumi, Y., Suzuki, T., Kawabata, H., Sato, K., Miyazaki, T., Chang, Q., Takahashi, T., Tani, K., Shibata, T., Yoshikawa, M.,	2006,	The petrology and geochemistry of Oto-Zan composite lava flow on Shodo-Shima Island, SW Japan: remelting of solidified High-Mg andesite magma.	J. Petrol.,	47,	595-629.
06-3023	Choi, S.H., Mukasa, S.B., Kwon, S.-T., Andronikov, A.V.,	2006,	Sr, Nd, Pb and Hf isotopic compositions of late Cenozoic alkali basalts in South Korea: evidence for mixing between the two dominant asthenospheric mantle domains beneath East Asia.	Chem. Geol.,	(in press)	xxx-xxx
06-3024	Lee, S.R., Walker, R.J.,	2006,	Re-Os isotope systematics of mantle xenoliths from South Korea: evidence for complex growth and loss of lithospheric mantle beneath East Asia.	Chem. Geol.,	(in press)	xxx-xxx
06-3034	Higgins, M.D.,	2006,	Verification of ideal semi-logarithmic, lognormal or fractal crystal size distributions from 2D datasets.	J. Volcanol. Geotherm. Res.	154,	8-16.
06-3035	Morgan, D.J., Jerram, D.A.,	2006,	On estimating crystal shape for crystal size distribution analysis.	J. Volcanol. Geotherm. Res.	154,	1-7.
06-3036	Ersoy, O., Chinga, G., Aydar, E., Gourgaud, A., Cubukcu, H.E., Ulusoy, I.,	2006,	Texture discrimination of volcanic ashes from different fragmentation mechanisms: A case study, Mount Nemrut stratovolcano, eastern Turkey.	Computers and Geosciences,	xx,	xxx-xxx
06-3037	Martine, U., Nemeth, K.,	2006,	How strombolian is a "Strombolian" scoria cone? Some irregularities in scoria cone architecture from the Transmexican Volcanic Belt, near Volcan Ceboruco, (Mexico) and Al Haruj (Libya).	J. Volcanol. Geotherm. Res.	xx,	xxx-xxx
06-3069	Freundt, A., Kutterolf, S., Wehrmann, H., Schmincke, H.-U., Strauch, W.,	2006,	Eruption of the dacite to andesite zoned Mateae Tephra, and associated tsunamis in Lake Managua, Nicaragua.	J. Volcanol. Geotherm. Res.	149,	103-123.
06-3075	Vazquez, J.A., Ort, M.H.,	2006,	Facies variation of eruption units produced by the passage of single pyroclastic surge currents, Hopi Buttes volcanic field, USA.	J. Volcanol. Geotherm. Res.	154,	222-236.
06-3076	Smith, I.E.M., Price, R.C.,	2006,	The Tonga-Kermadec arc and Havre-Lau back-arc system: Their role in the development of tectonic and magmatic models for the western Pacific.	J. Volcanol. Geotherm. Res.	xx,	xxx-xxx
06-3077	Wysoczanski, R., Tani, K.,	2006,	Spectroscopic FTIR imaging of water species in silicic volcanic glasses and melt inclusions: An example from the Izu-Bonin arc.	J. Volcanol. Geotherm. Res.	xx,	xxx-xxx

(Marine volcanology, Kumamoto Univ.)

06-3092	Kim, W.-S., Yoon, S.-J., Kim, J.-W., Lee, J.-A., Lee, T.-W.,	2006,	Metabolic response under different salinity and temperature conditions for glass eel <i>Anguilla japonica</i> .	Marine Biology,	149,	1209-1215.
06-3101	Kimura, S., Tsukamoto, K.,	2006,	The salinity front in the North Equatorial Current: A landmark for the spawning migration of the Japanese eel ( <i>Anguilla japonica</i> ) related to the stock recruitment.	Deep-Sea Research II,	53,	315-325.
06-3107	Kohut, E.J., Stern, R.J., Kent, A.J.R., Nielsen, R.L., Bloomer, S.H., Leybourne, M.,	2006,	Evidence for adiabatic decompression melting in the Southern Mariana Arc from high-Mg lavas and melt inclusions.	Contrib. Min. Petrol.	DOI 10.1007/s00410-006-0102-7	
06-3112	Savov, I.P., Hickey-Vargas, R., D'Antonio, M., Ryan, J.G., Spadea, P.,	2006,	Petrology and geochemistry of West Philippine Basin basalts and Early Palau-Kyushu Arc volcanic clasts from ODP Leg 195, site 1201D: implications for the early history of the Izu-Bonin-Mariana Arc.	J. Petrol.,	47,	277-299.
06-3129	Kawabe, M., Yanagimoto, D., Kitagawa, S.,	2006,	Variations of deep western boundary currents in the Melanesian Basin in the western North Pacific.	Deep-Sea Research I,	53,	942-959.
06-3138	Smith, I.E.M., Price, R.C.,	2006,	The Tonga-Kermadec arc and Havre-Lau back-arc system: their role in the development of tectonic and magmatic models for the western Pacific.	J. Volcanol. Geotherm. Res.	156,	315-331.
06-3144	Wallmann, K., Drews, M., Aloisi, G., Bohrmann, G.,	2006,	Methane discharge into the Black Sea and the global ocean via fluid flow through submarine mud volcanoes.	Earth Planet. Sci. Lett.,	248,	545-560.
06-3145	Chow, J.J., Chang, S.-K., Yu, H.-S.,	2006,	GPR reflection characteristics and depositional models of mud volcanic sediments-- Wushanting mud volcano field, southwestern Taiwan.	J. Applied Geophysics,	xx,	(in press)
06-3146	Fortes, A.D., Grindrod, P.M.,	2006,	Modelling of possible mud volcanism on Titan.	Icarus,	182,	550-558.
06-3147	Kaul, N., Foucher, J.-P., Heesemann, M.,	2006,	Estimating mud expulsion rates from temperature measurements on Hakon Mosby mud volcano, SW Barents Sea.	Mar. Geol.,	229,	1-14.
06-3153	Hall, J.K.,	2006,	GEBCO centennial special issue-- Charting the secret world of the ocean floor: the GEBCO project 1903-2003.	Marine Geophysical Researches,	27,	1-5.
06-3154	Mayer, L.A.,	2006,	Frontiers in seafloor mapping and visualization.	Marine Geophysical Researches,	27,	7-17.
06-3155	Marks, K.M., Smith, W.H.F.,	2006,	An evaluation of publicly available global bathymetry grids.	Marine Geophysical Researches,	27,	19-34.
06-3156	Jakobsson, M., Macnab, R.,	2006,	A comparison between GEBCO sheet 5.17 and the international bathymetric chart of the Arctic Ocean (IBCAO) version 1.0.	Marine Geophysical Researches,	27,	35-48.
07-016	Ishiwatari, A., Yanagidani, Y., Li, Y.-B., Ishii, T., Haraguchi, S., Koizumi, K., Ichiyama, Y., Umekawa, M.,	2006,	Dredge petrology of the boninite- and adakite-bearing Hahajima seamount of the Ogasawara (Bonin) forearc: An ophiolite or serpentinite seamount?	Island Arc,	15,	102-118.
07-017	Fryer, P., Gharib, J., Ross, K., Savov, I., Mottl, M.J.,	2006,	Variability in serpentinite mudflow mechanisms and sources: ODP drilling results on Mariana forearc seamounts.	Geochem. Geophys. Geosyst.,	7,	Q08014, doi:10.1029/2005GC003643
07-057	Binderman, I.N.,	2006,	<a href="#">The Secrets of Supervolcanoes</a>	Scientific American	294,	36-43.
07-209	Wright, I.C., Worthington, T.J., Gamble, J.A.,	2006,	New multibeam mapping and geochemistry of the 30 - 35 S sector, and overview, of southern Kermadec arc volcanism.	J. Volcanol. Geother. Res.,	149,	263-296.
07-226	Egger, H., Bruckl, E.,	2006,	Gigantic volcanic eruptions and climatic change in the early Eocene.	Int. J. Earth Sci.,		Doi 10.1007/s00531-006-0085-
07-242	青木かおり, 町田洋	2006,	日本に分布する第四紀後期広域テフラの種元素組成-K <sub>2</sub> O-TiO <sub>2</sub> 図によるテフラの識別.	地質調査研究報告,	57,	239-258.
07-256	Schmitt, A.K., Vazquez, J.A.,	2006,	Alteration and remelting of nascent oceanic crust during continental rapture: evidence from zircon geochemistry of rhyolites and xenoliths from the Salton Trough, California.	Earth Planet. Sci. Lett.	252,	260-274.
08-005	Shanmugan, G.,	2006,	The tsunamite problem.	J. Sedi. Res.,	76,	718-730.
08-032	Garcia, M.O., Sherman, S.B., Moore, G.F., Goll, R., Popova-Goll, I., Natland, J.H., Acton, G.,	2006,	Frequent landslides from Koolau volcano: Results from ODP Hole 1223A.	J. Volcanol. Geotherm. Res.,	151,	251-268.
09-027	Iryu, Y., Matsuda, H., Machiyama, H., Piller, W.E., Quinn, T.M., Mutti, M.,	2006,	Introductory perspective on the COREF project.	Island arc,	15,	393-406.
09-034	Maeo, F., Taniguchi, H.,	2006,	Silicic lava dome growth in the 1934-1935 Showa Iwo-jima eruption, Kikai caldera, south of Kyushu, Japan.	Bull Volcanol.,	68,	673-688.
09-039	Stewart, A.L., McPhie, J.,	2006,	Facies architecture and Late Pliocene-Pleistocene evolution of felsic volcanic island, Milos, Greece.	Bull Volcanol.,	68,	703-726.
09-048	Gualda, G.A.R., Rivers, M.,	2006,	Quantitative 3D petrography using x-ray tomography: application to Bishop tuff pumice clasts.	J. Volcanol. Geotherm. Res.,	154,	48-62.
09-052	Wang, Z., Zhao, D.,	2006,	Vp and Vs tomography of Kyushu, Japan: New insight into arc magmatism and forearc seismotectonics.	Physics Earth Planet. Int.,	157,	269-285.
09-068	植田義夫, 小野寺建永, 熊川浩一,	2006,	トカラ列島中之島の地磁気異常と3次元磁気構造.	海上保安大学校 研究報告,	50,	37-44.
10-003	Verma, S.P., Guevara, M., Agrawal, S.,	2006,	Discriminating four tectonic settings: five new geochemical diagrams for basic and ultrabasic volcanic rocks based on log-ratio transformation of major element data.	J. Earth Syst. Sci.,	115,	485-528.
10-004	Marchesi, C., Garrido, C.J., Godard, M., Proenza, C.J., Gervilla, F., Blanco-Moreno, J.,	2006,	Petrogenesis of highly depleted peridotites and gabbroic rocks from the Mayari-Baracoa ophiolitic belt (eastern Cuba).	Contrib. Mineral. Petrol.,	151,	717-736.
10-016	Golubeva, E.D.,	2006,	Magmatic evolution of the provinces of the Pacific ocean floor.	Marine Geology,	46,	715-725.
10-049	Alt, J.C., Shanks III, W.C.,	2006,	Stable isotope compositions of serpentinite seamounts in the Mariana forearc: Serpentinization processes, fluid sources and sulfur metasomatism.	Earth and Planetary Science Letters,	242,	272-285.
10-065	Ishizuka, O., Kimura, J.-K., Li, Y.B., Stern, R.J., Reagan, M.K., Taylor, R.N., Ohara, Y., Bloomer, S.H., Ishii, T., Hargrove III, U.S., Haraguchi, S.,	2006,	Early stages in the evolution of Izu-Bonin arc volcanism: New age, chemical, and isotopic constraints.	Earth Planet. Sci. Lett.,	250,	385-401.
10-069	Stern, R.J., Kohut, E., Bloomer, S.H., Leybourne, M., Fouch, M., Vervoort, J.,	2006,	Subduction factory processes beneath the Guguang forearc chain, Mariana arc: no role for sediments, are serpentinites important?	Contrib. Mineral. Petrol.,	151,	202-221.

10-123	太田充恒,	2006,	鉄水酸化物・マンガン酸化物と海水間の希土類元素の分配に関する実験的・理論的研究.	地球化学,	40,	13-30.
10-244	D.G Masson, C.B Harbitz, R.B Wynn, G Pedersen and F Løvholt	2006,	Submarine landslides: processes, triggers and hazard prediction	Phil. Trans. R. Soc. A,	364,	2009-2039.
10-253	Carl B. Harbitz, Finn Løvholt, Geir Pedersen & Doug G. Masson	2006,	Mechanisms of tsunami generation by submarine landslides: a short review	Norwegian Journal of Geology	86,	255-264.
10-281	Sung Hi Choi a,□, Samuel B. Mukasa a, Sung-Tack Kwon b, Alexandre V. Andronikov	2006,	Sr, Nd, Pb and Hf isotopic compositions of late Cenozoic alkali basalts in South Korea: Evidence for mixing between the two dominant asthenospheric mantle domains beneath East Asia	Chemical geology,	232,	134-151.
10-285	David A. Clague a*, Jennifer B. Paduan a, William C. McIntosh b, Brian L. Cousens Alice´ S. Davis a, Jennifer R. Reynolds	2006,	A submarine perspective of the Honolulu Volcanics, Oahu	Journal of volcanology and geothermal research,	151,	279-307.
10-294	Alic´e S. Davis ·David A. Clague	2006,	Volcaniclastic deposits from the North Arch volcanic field, Hawaii: explosive fragmentation of alkalic lava at abyssal depths	Bull volcanol,	68,	294-307.
10-304	P. Fryer and J. Gharib K. Ross I. Savov M. J. Mottl	2006,	Variability in serpentinite mudflow mechanisms and sources: ODP drilling results on Mariana forearc seamounts	Geochemistry Geophysics Geosystems,	7,	1-15: Q08014, doi:10.1029/2005G
10-313	Joseph Barraud	2006,	The use of watershed segmentation and GIS software for textural analysis of thin sections	Journal of volcanology and geothermal research,	online	XX-xx
10-332	YASUFUMI IRYU,1,* HIROKI MATSUDA,2 HIDEAKI MACHIYAMA,3 WERNER E. PILLER TERRENCE M. QUINN5 AND MARIA MUTTI6	2006,	Introductory perspective on the COREF Project	Island arc	15,	393-406.
10-371	Luc L. Lavie1 & Gianreto Manatschal2	2006,	A mechanism to thin the continental lithosphere at magma-poor margins	Nature,	440,	324-328.
10-372	Robert W. Embley1, William W. Chadwick, Jr1,2, Edward T. Baker3, David A. Butterfield3,4, Joseph A. Resing3,4, Cornel E.J. de Ronde5, Verena Tunnichliffe6, John E. Lupton1, S. Kim Juniper7, Kenneth H. Rubin8, Robert J. Stern9, Geoffrey T. Lebon3,4, Ko-ichi Nakamura10, Susan G. Merle1,2, James R. Hein11, Douglas A. Wiens12 & Yoshihiko Tamura13	2006,	Long-term eruptive activity at a submarine arc volcano.	Nature,	441,	494-497.
10-375	Antonio Acosta-Vigil Æ David London George B. Morgan VI	2006,	Experiments on the kinetics of partial melting of a leucogranite at 200 MPa H2O and 690–800 C: compositional variability of melts during the onset of H2O-saturated crustal anatexis.	Contrib Mineral Petrol,	151,	539-557.
10-418	Ilya N. Bindeman	2006,	The secrets of Supervolcanoes	SCIENTIFIC AMERICAN		38-43.
10-421	Yasuto Itoh a,* , Koji Uno b, Hiroyuki Arato c	2006,	Seismic evidence of divergent rifting and subsequent deformation in the southern Japan Sea, and a Cenozoic tectonic synthesis of the eastern Eurasian margin.	Journal of Asian Earth Sciences,	27,	933-942.
10-424	Vera V. Ponomareva □, Ivan V. Melekestsev, Oleg V. Dirksen,	2006,	Sector collapses and large landslides on Late Pleistocene–Holocene volcanoes in Kamchatka, Russia.	Journal of volcanology and geothermal research,	158,	117-138.
10-436	Patricia B. Fryer2 and Matthew H. Salisbury3	2006,	1. LEG 195 SYNTHESIS: SITE 1200—SERPENTINITE SEAMOUNTS OF THE IZU-BONIN/MARIANA CONVERGENT PLATE MARGIN (ODP LEG 125 AND 195 DRILLING RESULTS)	Shinohara, M., Salisbury, M.H., and Richter, C. (Eds.) Proceedings of the Ocean Drilling Program, Scientific Results,	195,	1-30.
10-450	Monique Messie´ , Marie-He´ le´ne Radenac	2006,	Seasonal variability of the surface chlorophyll in the western tropical Pacific from SeaWiFS data.	Deep-Sea Research I,	53,	1581-1600.
10-455	Nguyen Hoang □, Kozo Uto,	2006,	Upper mantle isotopic components beneath the Ryukyu arc system: Evidence for 'back-arc' entrapment of Pacific MORB mantle.	Earth and Planetary Science Letter,	249,	229-240.
10-461	Zhi Wang *, Dapeng Zhao,	2006,	Vp and Vs tomography of Kyushu, Japan: New insight into arc magmatism and forearc seismotectonics.	Physics of the Earth and Planetary Interiors,	157,	269-285.
10-472	下司信夫*, 小林哲夫,	2006,	鹿児島県口永良部島火山最近約3万年間の噴火活動.	火山,	51,	1-20.
10-473	下司信夫*, 小林哲夫,	2006,	口永良部島火山の火山地形と地質.	火山,	51,	103-
10-474	下司信夫*, 小林哲夫,	2006,	鹿児島県口永良部島火山最近約3万年間の噴火活動.	火山,	51,	cover.
10-490	Kristin A. Ludwig a,* , Deborah S. Kelley a, David A. Butterfield Bruce K. Nelson c, Gretchen Fru´ h-Green	2006,	Formation and evolution of carbonate chimneys at the Lost City Hydrothermal Field.	Geochimica et Cosmochimica Acta,	70,	3625-3645.
10-521	W.P. Schellart a,b,□, G.S. Lister a, V.G. Toy	2006,	A Late Cretaceous and Cenozoic reconstruction of the Southwest Pacific region: Tectonics controlled by subduction and slab rollback processes.	Earth Science Reviews,	76,	191-233.
10-542	Robert J. Stern Æ Ed Kohut Æ Sherman H. Bloomer Matthew Leybourne Æ Matthew Fouch Æ Jeff Vervoort	2006,	Subduction factory processes beneath the Guguang cross-chain, Mariana Arc: no role for sediments, are serpentinites important?	Contrib Mineral Petrol,	151,	202-221.
10-546	Julian A. Pearce, Robert J. Stern,	2006,	Origin of Back-Arc Basin Magmas: Trace Element and Isotope Perspectives.	Back-Arc Spreading Systems: Geological, Biological, Chemical, and Physical Interactions Geophysical Monograph Series,	166,	63-86.
12-033	W.P. Schellart a,b,□, G.S. Lister a, V.G. Toy a,c	2006,	A late Cretaceous and Cenozoic reconstruction of the southwest Pacific region: Tectonics controlled by subduction and slab rollback processes.	Earth-Science Reviews,	76,	191-233.

(Marine volcanology, Kumamoto Univ.)

12-064	Sung Hi Choi a,□, Samuel B. Mukasa a, Sung-Tack Kwon b, Alexandre V. Andronikov	2006,	Sr, Nd, Pb and Hf isotopic compositions of late Cenozoic alkali basalts in South Korea: Evidence for mixing between the two dominant asthenospheric mantle domains beneath East Asia	Chemical geology,	232,	134-151.
12-065	Nguyen Hoang □, Koza Uto	2006,	Upper mantle isotopic components beneath the Ryukyu arc system: Evidence for 'back-arc' entrapment of Pacific MORB mantle.	Earth and Planetary Science Letters	249,	229-240.
12-106	A. James Kettle and Keith Haines	2006,	How does the European eel ( <i>Anguilla anguilla</i> ) retain its population structure during its larval migration across the North Atlantic Ocean?	Cnll. J. Fish, Aquat l. Sci	63,	90-106.
12-250	Jeffrey C. Alt a,□, Wayne C. Shanks III	2006,	Stable isotope compositions of serpentinite seamounts in the Mariana forearc: Serpentinization processes, fluid sources and sulfur metasomatism.	Earth and Planetary Science Letters,	242,	272-285.
12-263	Implications from the Changbaishan shield basalts, northeast China	2006,	Upper mantle isotopic components beneath the Ryukyu arc system: Evidence for 'back-arc' entrapment of Pacific MORB mantle.	Earth and Planetary Science Letters,	249,	229-240.
12-311	Julia K. Morgan a,*, Johanna M. Resig b, William G. Siesser,	2006,	Microfossil assemblages on Tuscaloosa Seamount and their constraints on the age of the Nuuanu landslide, north of Oahu, HI.	Journal of Volcanology and Geothermal Research,	151,	269-278.
12-324	Ken Rubin	2006,	Lanai corals Project HP	<a href="http://www.soest.hawaii.edu/krubin/lanai_corals.html">http://www.soest.hawaii.edu/krubin/lanai_corals.html</a>		
12-355	R.C. Stretch a,□, N.C. Mitchell b, R.A. Portaro	2006,	A morphometric analysis of the submarine volcanic ridge south-east of Pico Island, Azores	Journal of Volcanology and Geothermal research,	156,	35-54.
12-448	George Anastasakis "*, Georgia Pe-Piper	2006,	An 18 m thick volcanoclastic interval in Pantelleria Trough, Sicily Channel, deposited from a large gravitative flow during the Green tuff eruption.	Marine Geology,	231,	201-219.
12-455	Francesco Latino Chiocci and Giovanni de Alteriis2	2006,	The Ischia debris avalanche: first clear submarine evidence in the Mediterranean of a volcanic island prehistorical collapse.	terra Nova,	18,	202-209.
12-458	V. Dorsey Wanless a, Michael O. Garcia a,*, J. Michael Rhodes, Dominique Weis c, Marc D. Norman	2006,	Shield stage alkalic volcanism on Mauna Loa Volcano, Hawaii	Journal of Volcanology and geothermal Research,	151,	141-155.
12-461	SIMON). BLOTT and KENNETH PYE	2006,	Particle size distribution analysis of sand-sized particles by laser diffraction: an experimental investigation of instrument sensitivity and the effects of particle shape.	Sedimentology,	53,	671-685.
12-462	I. N. MCCA VE*, I. R. HALLt and G. G. BIANCH	2006,	Laser vs. settling velocity differences in silt grainsize measurements: estimation of palaeocurrent vigour.	Sedimentology,	53,	919-928.
12-466	Katharina Wien *,Christine Holz, Martin Kolling, Horst D. Schulz	2006,	Age models for pelagites and turbidites from the Cap Timiris Canyon off Mauritania.	Marine and Petroleum Geology,	xx	xxx-xxx
12-478	Monique Messie*, Marie-Helene Radenac	2006,	Seasonal variability of the surface chlorophyll in the western tropical Pacific from Sea WiFS data.	Deep-Sea Research PART I,	53,	1581-1600.
12-525	Carl B. Harbitz, Finn Lövholm, Geir Pedersen & Doug G. Masson	2006,	Mechanisms of tsunami generation by submarine landslides: a short review.	Norwegian Journal of Geology,	86,	255-264.
12-616	T. Volti a,□, A. Gorbato v a, H. Shiobara b, H. Sugioka a, K. Mochizuki b, Y. Kaneda	2006,	Shear-wave splitting in the Mariana trough—a relation between back-arc spreading and mantle flow?	Earth and Planetary Science Letters	244,	566-575.
12-617	Nathan L. Green	2006,	Influence of slab thermal structure on basalt source regions and melting conditions: REE and HFSE constraints from the Garibaldi volcanic belt, northern Cascadia subduction system.	Lithos,	87,	23-49.
12-634	Joseph Barraud	2006,	The use of watershed segmentation and GIS software for textural analysis of thin sections	Journal of volcanology and Geothermal research,	154,	17-33.
13-015	Julian A. Pearce, Robert J. Stern,	2006,	Origin of Back-Arc Basin Magmas: Trace Element and Isotope Perspectives.	Geophysical Monograph	166,	63-86.
13-026	David M. Christie, Charles R. Fisher, Sang-Mook Lee, Sharon Givens,	2006,	Back-Arc spreading systems: geological,biological, chemical, and physical interactions.: Contents	Geophysical Monograph Series	166,	
13-027	Massimo D'Antonio*, Ivan Savov**, Piera Spadea***, Rosemary Hickey-Vargas° and John Lockwood	2006,	PETROGENESIS OF EOCENE OCEANIC BASALTS FROM THE WEST PHILIPPINE BASIN AND OLIGOCENE ARC VOLCANICS FROM THE PALAU-KYUSHU RIDGE DRILLED AT 20°N, 135°E (WESTERN PACIFIC OCEAN)	Ofioliti,	31,	157-171.
13-028	David M. Christie, Charles R. Fisher,	2006,	Preface.	Geophysical Monograph	166,	1
13-044	Francesco Pio Lucente a,*, Lucia Margheriti a,1, Claudia Piromallo a,2, Guilhem Barruol,	2006,	Seismic anisotropy reveals the long route of the slab through the western-central Mediterranean mantle.	Earth and Planetary Science Letters,	241,	517-529.
13-063	Paterno R. Castillo,	2006,	An overview of adakite petrogenesis,	Chinese Science Bulletin,	51,	257-268.
13-073	Yan-Jie Tang □, Hong-Fu Zhang, Ji-Feng Ying	2006,	Asthenosphere–lithospheric mantle interaction in an extensional	Chemical Geology,	233,	309-327.
13-088	David M. Christie Charles R. Fisher Sang-Mook Lee Sharon Givens (editors)	2006,	Back-Arc spreading systems: geological,biological, chemical, and physical interactions.	Geophysical Monograph Series	166,	303 p.
13-089	David M. Christie and Charles R. Fisher	2006,	Preface.	Geophysical Monograph Series	166,	vii
13-090	David M. Christie and Charles R. Fisher	2006,	Geological, Biological, Chemical, and Physical Interactions in Back-Arc Spreading Systems - SystemsAn Introduction	Geophysical Monograph Series	166,	1-4
13-091	Fernando Martinez and Brian Taylo	2006,	Modes of Crustal Accretion in Back-Arc Basins: Inferences From the lau Basin	Geophysical Monograph Series	166,	5-30
13-092	Teruyuki Kato and Atsuki Kubo	2006,	Present-Day Tectonics in Four Active Island Arcs Based on GPS Observations and For Stress Fields	Geophysical Monograph Series	166,	31-42
13-093	Douglas A. Wiens, Nobukazu Seama, and james A. Conder	2006,	Mantle Structure and Flow Patterns Beneath Active Back-Arc Basins Inferred From Passive Seismic and Electromagnetic Methods.	Geophysical Monograph Series	166,	43-62
13-094	Julian A. Pearce and Robert J. Stern	2006,	Origin of Back-Arc Basin Magmas: Trace Element and Isotope Perspectives	Geophysical Monograph	166,	63-86
13-095	C.H. Langmuir, A. Bezos, S. Escrig, and S. W. Parman	2006,	Chemical Systematics and Hydrous Melting of the Mantle in Back-Arc Basins	Geophysical Monograph Series	166,	87-146
13-096	Toshitaka Camo, Junichiro Ishibashi, Urumu Tsunogai, Kei Okamura, and Hitoshi Chiba	2006,	Unique Geochemistry of Submarine Hydrothermal Fluids From Arc-Back-Arc Settings of the Western Pacific	Geophysical Monograph Series	166,	147-162



13-097	Kaihui Yang and Steven D. Scott	2006,	Magmatic Fluids as a Source of Metals in Seafloor Hydrothermal Systems	Geophysical Monograph	166,	163-184
13-098	Ken Takai, Satoshi Nakagawa, Anna-Louise Reysenbach, and Joost Hoek	2006,	Microbial Ecology of Mid-Ocean Ridges and Back-Arc Basins	Geophysical Monograph Series	166,	185-214
13-099	Daniel Desbruyeres, Jun Hashimoto, and Marie-Claire Fabri	2006,	Composition and Biogeography of Hydrothermal Vent Communities in Western Pacific Back-Arc Basins.	Geophysical Monograph Series	166,	215-234.
13-100	James J. Childress, Dijanna Figueroa, and Michael Henry	2006,	Physiological Ecology of Back-Arc Basin Fauna: Explorations of the Known and Unknown	Geophysical Monograph Series	166,	235-242.
13-101	Roy Livermor	2006,	The East Scotia Sea: Mantle to Microbe	Geophysical Monograph	166,	243-262.
13-102	Sang-Mook Lee and Etienne Ruellan	2006,	Tectonic and Magmatic Evolution of the Bismarck Sea, Papua New Guinea: Review and New Synthesis	Geophysical Monograph Series	166,	263-286.
13-103	Rosemary Hickey-Vargas, Ivan P. Savov, Michael Bizimis, Teruaki Ishii, and Kantaro Fujioka	2006,	Origin of Diverse Geochemical Signatures in Igneous Rocks From the West Philippine Basin: Implications for Tectonic Models	Geophysical Monograph Series	166,	287-303.
15-064	Taras V. Gerya a,b,*, James A.D. Connolly a, David A. Yuen Weronika Gorczyk a, Allison M. Capel	2006,	Seismic implications of mantle wedge plumes	Physics of the Earth and Planetary Interiors	156,	59-74.
15-145	Robert V. Percival	2006,	Who's Afraid of the Precautionary Principle?	Pace Environmental Law Review	23,	21-81.
15-149		2006,	ash fall	Newsletter of the Volcanology and Igneous Petrology Division Geological Association of Canada	62,	1-16.
15-194	Hughes Clarke	2006,	Applications of multibeam water column imaging for hydrographic survey.	The Hydrographic Journal		1-33.
15-338	Hasan Bayhan a, Erkan Aydar a, Erdal Sen a, Alain Gourgaud	2006,	Melting of crustal xenoliths within ascending basalt: Example from the Kula volcanic field, western Anatolia, Turkey.	C.R. Geoscience,	338,	237-243.
16-019	Roald TAGLE1* and Lutz HECHT2	2006,	Geochemical identification of projectiles in impact rocks	Meteoritics & Planetary Science	41,	1721-1735.
16-049	Nathan L.B. Bangs Sean P.S. Gulick Thomas H. Shipley	2006,	Seamount subduction erosion in the Nankai Trough and its potential impact on the seismogenic zone.	Geology,	34,	701-704.
16-078	M. S. Miller,1 B. L. N. Kennett,1 and V. G. Toy1,2	2006,	Spatial and temporal evolution of the subducting Pacific plate structure along the western Pacific margin.	JOURNAL OF GEOPHYSICAL RESEARCH	111,	1-14(web)
16-115	A.G. Tomkins, B.R. Frost, D.R.M. Pattison,	2006,	Arsenopyrite melting during metamorphism of sulfide ore deposits.	The Canadian Mineralogist,	44,	1045-1062.
16-144	Heather Bedle □, Suzan van der Lee	2006,	Fossil flat-slab subduction beneath the Illinois basin, USA	tectonophysics,	424,	53-68.
06-3136	植田義夫,	2005,	日本列島とその周辺海域のブーゲー重力異常 (2004年版).	海洋情報部研究報告,	41,	1-26.
15-056	Caz M. Taylor1* and Alan Hastings	2005,	Allee effects in biological invasions	Ecology Letters,	8,	895-908.
05-024	Spinks, K.D., Acocella, V., Cole, J.W., and Bassett, K.N.,	2005,	Structural control of volcanism and caldera development in the transtensional Taupo Volcanic Zone, New Zealand.	J. Volcanol. Geotherm. Res.,	xx,	xxxx
05-039	Rosenberg, C.L., and Handy, M.R.,	2005,	Experimental deformation of partially melted granite revisited: implications for the continental crust.	J. metamorphic Geol.,	23,	19-28.
05-047	Stelling, P., Gardner, J.E., and Beget, J.,	2005,	Eruptive history of Fisher Caldera, Alaska, USA.	J. Volcanol. Geotherm. Res.,	139,	163-183.
05-081	Sisson, T.W., Ratajeski, K., Hankins, W.B., and Glazner, A.F.,	2005,	Voluminous granitic magmas from common basaltic sources.	Contrib. Mineral Petrol.,	148,	635-661.
06-013	Noguchi, s., Toramaru, A., and Shimano, T.,	2005,	Crystallization of microlites and degassing during magma ascent: constraints on the fluid mechanical behavior of magma during the Tenjo eruption on Kozu Island, Japan.	Bull. Volcanol.	(in press)	
06-016	Fujioka K., Tokunaga W., Yokose H., Kasahara J., Sato T., Miura R., and Ishii T.,	2005,	Hahajima seamount: an enigmatic tectonic block at the junction between Izu-Bonin and Mariana Trench.	The Island Arc	14,	616-622.
06-017	Yokose H., Lipman P.W., and Kanamatsu T.	2005,	Physical and chemical properties of submarine basaltic rocks from the submarine flanks of the Hawaiian Islands.	Marine Geol.	219,	173-193.
06-018	Yokose, H.,	2005,	Crustal evolution and magma mixing (in Japanese).	月刊地球別冊	52,	60-65.
06-019	横瀬久芳・百島則幸・松岡敷充・長谷義隆・本座栄一	2005,	海底堆積物を用いた有明海100年変遷史の環境評価.	地学雑誌	114,	1-20.
06-3018	Tatsumi, Y., Shukuno, H., Yoshikawa, M., Chng, Q., Sato, K., Lee, M.W.,	2005,	The petrology and geochemistry of volcanic rocks on Jeju Island: plume magmatism along the Asian continental margin.	J. Petrol.,	46,	523-553.
06-3025	Choi, S.H., Kwon, S.-T., Mukasa, S.B., Sagong, H.,	2005,	Sr-Nd-Pb isotope and trace element systematics of mantle xenoliths from Late Cenozoic alkaline lavas, South Korea.	Chem. Geol.,	221,	40-64.
06-3026	Sohn, Y.K., Park, K.H.,	2005,	Composite tuff ring/cone complexes in Jeju Island, Korea: possible consequences of substrate collapse and vent migration.	J. Volcanol. Geotherm. Res.	141,	157-175.
06-3030	Choi, S.H., Kwon, S.-T.,	2005,	Mineral chemistry of spinel peridotite xenoliths from Baengnyeong Island, South Korea, and its implications for the paleogeotherm of the uppermost mantle.	The Island Arc,	14,	236-253.
06-3033	Spinks, K.D., Acocella, V., Cole, J.W., Bassett, K.N.,	2005,	Structural control of volcanism and caldera development in the transtensional Taupo Volcanic Zone, New Zealand.	J. Volcanol. Geotherm. Res.	144,	7-22.
06-3041	Cole, J.W., Milner, D.M., Spinks, K.D.,	2005,	Calderas and caldera structures: a review	Earth-Science Reviews,	69,	1-26.
06-3066	Pallister, J.S., Trusdell, F.A., Brownfield, I.K., Siems, D.F., Budahn, J.R., Sutley, S.F.,	2005,	The 2003 phreatomagmatic eruptions of Anatahan volcano: textural and petrologic features of deposits at an emergent island volcano.	J. Volcanol. Geotherm. Res.	146,	208-225.
06-3067	Martin, U., Nemeth, K.,	2005,	Eruptive and depositional history of a Pliocene tuff ring that developed in a fluvio-lacustrine basin: Kissomlyo volcano (western Hungary).	J. Volcanol. Geotherm. Res.	147,	342-356.
06-3071	Garcia-Romero, E., Vegas, J., Baldonado, J.L., Marfil, R.,	2005,	Clay minerals as alteration products in basaltic volcanoclastic deposits of La Palma (Canary Islands, Spain).	Sedi. Geol.,	174,	237-253.
06-3072	Ohba, T., Kitade, Y.,	2005,	Subvolcanic hydrothermal systems: implications from hydrothermal minerals in hydrovolcanic ash.	J. Volcanol. Geotherm. Res.	145,	249-262.

06-3098	Unuma, T., Kondo, S., Tanaka, H., Kagawa, H., Nomura, K., Ohta, H.,	2005,	Relationship between egg specific gravity and egg quality in the Japanese eel, <i>Anguilla japonica</i> .	Aquaculture,	246,	493-500.
06-3105	Chadwick, Jr., W.W., Embley, R.W., Johnson, P.D., Merle, S.G., Ristau, S., Bobbitt, A.,	2005,	The submarine flanks of Anatahan Volcano, commonwealth of the Northern Mariana Islands.	J. Volcanol. Geotherm. Res.	146,	8-25.
06-3115	原口悟, 石井輝秋,	2005,	伊豆小笠原弧火成活動の四国海盆拡大を契機とした化学組成変化から推定されるマグマの発生環境の変化.	月刊地球号外	52,	184-192.
06-3130	Kawabe, M., Yanagimoto, D., Kitagawa, S., Kuroda, Y.,	2005,	Variations of the deep western boundary current in Wake Island Passage.	Deep-Sea Research I,	52,	1121-1137.
06-3143	Beyer, A., Rathlau, R., Schenke, H.W.,	2005,	Multibeam bathymetry of the Hakon Mosby mud volcano.	Marine Geophysical Researches,	26,	61-75.
06-3161	Seno, T.,	2005,	Variation of downdip limit of the seismogenic zone near the Japanese islands: implications for the serpentinization mechanism of the forarc mantle wedge.	Earth Planet. Sci. Lett.,	231,	249-262.
06-3162	Takai, K., Moyer, C.L., Miyazaki, M., Nogi, Y., Hirayama, H., Nealson, K.H., Hirokoshi, K.,	2005,	Marinobacter alkaliphilus sp. Nov., a novel alkaliphilic bacterium isolated from subsurface alkaline serpentine mud from ocean drilling program site 1200 at South Chamorro Seamount, Mariana forearc.	Extremophiles,	9,	17-27.
07-001	Savov, I.P., Ryan, J.G., D'Antonio, M., Kelley, K., Mattie, P.,	2005,	Geochemistry of serpentinized peridotites from the Mariana forearc Conical Seamount, ODP Leg 125: implications for the elemental recycling at subduction zones.	Geochem. Geophys. Geosyst.,	6,	Q04J15, doi:10.1029/2004GC000777
07-002	Savov, I.P., Guggio, S., Ryan, J.G., Fryer, P., Mottl, M.J.,	2005,	4. Geochemistry of serpentinite muds and metamorphic rocks from the Mariana forearc, ODP sites 1200 and 778-779, South Chamorro and Conical seamounts.	Proc. Ocean Drill. Program Sci. Results (online)	195,	49pp. (Available at <a href="http://www-odp.tamu.edu/publications/1">http://www-odp.tamu.edu/publications/1</a> )
07-015	石渡明, 柳田祐樹, 李毅兵, 原口悟, 石井輝秋, 市山祐司, 小泉一人, 梅香賢,	2005,	小笠原前弧の母島海山はオフィオライトか蛇紋岩海山か	月刊地球 号外	52,	140-148.
07-018	Fryer, P.B., Salisbury, M.H.,	2005,	1. Leg 195 synthesis: site 1200: Serpentinite seamounts of the Izu-Bonin/Mariana convergent plate margin (ODP Leg 125 and 195 drilling results).	Proc. Ocean Drill. Program Sci. Results (online)	195,	30pp. (Available at <a href="http://www-odp.tamu.edu/publications/1">http://www-odp.tamu.edu/publications/1</a> )
07-206	Price, R.C., Gamble, J.A., Smith, I.E.M., Stewart, R.B., Eggins, S., Wright, I.C.,	2005,	An integrated model for the temporal evolution of andesites and rhyolites and crustal development in New Zealand's North Island.	J. Volcanol. Geother. Res.,	140,	1-24.
07-207	Ross, P.-S., Peate, I.U., McClintock, M.K., Xu, Y.G., Skilling, I.P., White, J.D.L., Houghton, B.F.,	2005,	Mafic volcanoclastic deposits in flood basalt provinces: a review.	J. Volcanol. Geother. Res.,	145,	281-314.
07-214	Sparks, S., Self, S., et al.,	2005,	Super-eruptions: global effects and future threats.	Report of Geol. Soc. London working group	2nd (print) Edn.	26p
07-245	Rampey, M.L., Milam, K.A., McSween Jr., H.Y., Moersch, J.E., Christensen, P.R.,	2005,	Lava domes and flows of the arcadia region of Mars.	Lunar and planetary Sci.,	34,	1834.pdf
07-250	Milkov, A.V., Etiopé, G.,	2005,	Global methane emission through mud volcanoes and its past and present impact on the Earth's climate—a comment.	Int. J. Earth Sci.,	94,	490-492.
08-024	Sachse, M.,	2005,	A remarkable fossiliferous mass flow deposit in the Eocene Eckfeld Maar (Germany) - sedimentological, taphonomical, and palaeoecological considerations.	Facies,	51,	173-184.
08-054	Ward, S.N., Day, S.,	2005,	Tsunami thoughts.	CSEG Recorder,		39-45.
08-450	Jago, C.,	2005,	Subaqueous pumice: from formation to deposits.	a literature review	Tasmania	30p.
09-014	Kuang, X., Zhang, Y.,	2005,	Seasonal variation of the East Asia subtropical westerly jet and its association with the heating field over East Asia.	Advances in atmospheric sciences,	22,	831-840.
09-097	Knoop, P.A.,	2005,	15. Data report: inorganic geochemistry of hydrothermal sediments, hole 1215A.	Proceedings of the Ocean drilling program, Sci. Result (eds. Wilson, P.A., Lyle, M., Firth, J.V.,	199,	1-11.
09-113	Wallace, L.M., McCaffrey, R., Beavan, J., Ellis, S.,	2005,	Rapid microplate rotations and backarc rifting at the transition between collision and subduction.	Geology,	33,	857-860.
09-113	Wallace, L.M., McCaffrey, R., Beavan, J., Ellis, S.,	2005,	Rapid microplate rotations and backarc rifting at the transition between collision and subduction.	Geology,	33,	857-860.
09-114	Busby, C.,	2005,	Possible distinguishing characteristics of very deepwater explosive and effusive silicic volcanism.	Geology,	33,	845-848.
09-114	Busby, C.,	2005,	Possible distinguishing characteristics of very deepwater explosive and effusive silicic volcanism.	Geology,	33,	845-848.
10-008	Workman, R.K., Hart, S.R.,	2005,	Major and trace element composition of the depleted MORB mantle (DMM).	Earth and Planetary Science Letters,	231,	53-72.
10-010	Lee, T.-G., Hein, J.R., Lee, K., Moon, J.-W., Ko, Y.-T.,	2005,	Sub-seafloor acoustic characterization of seamounts near the Ogasawara Fracture Zone in the western Pacific using chirp (3-7kHz) subbottom profiles.	Deep-Sea Research I,	52,	1932-1956.
10-028	Morijiri, R., Nakagawa, M.,	2005,	Small-scale melange fabric between serpentinite block and matrix: Magnetic evidence from the Mitsuishi ultramafic rock body, Hokkaido, Japan.	Tectonophysics,	398,	33-44.
10-034	Pearce, J.A., Stern, R.J., Bloomer, S.H., Fryer, P.,	2005,	Geochemical mapping of the Mariana arc-basin system: implications for the nature and distribution of subduction components.	Geochem. Geophys. Geosyst.,	6,	Q07006, doi:10.1029/2004GC000895
10-045	東豊土, 加藤孝幸, 坂本泉, 金谷義,	2005,	小笠原海域, 母島海山の岩石・鉱物—蛇紋石泥とアラゴナイト・沈殿性蛇紋石・コーツイン.	東海大学紀要海洋学部,	3,	61-76.
10-116	Mashima, H.,	2005,	Partial melting controls on the northwest Kyushu basalts from Sga-Futagoyama.	The Island arc,	14,	165-177.

10-133	Lallemand, S., Heuret, A.,	2005,	On the relationships between slab dip, back-arc stress, upper plate absolute motion, and crustal nature in subduction zones.	Geochem. Geophys. Geosyst.,	6,	Q09006, doi: 10.1029/2005GC00
10-135	Foulger, et al., eds.	2005,	Plates, plumes, and paradigms.	Geological Society of America Special Paper,	388,	898p.
10-143	Clouard, V., Bonneville, A.,	2005,	Ages of seamounts, islands, and plateaus on the Pacific plate.	Geological Society of America Special Paper,	388,	71-90.
10-146	Chadwick Jr., W.W., Embley, R.W., Johnson, P.D., Merle, S.G., Ristau, S., Bobbitt, A.,	2005,	The submarine flanks of Anatahan Volcano, commonwealth of the Northern Mariana Islands.	Journal of volcanology and Geothermal research,	146,	8-25.
10-187	C. Huguena, J. Masclea, J. Woodsideb, T. Zitterb, J.P. Foucher	2005,	Mud volcanoes and mud domes of the Central Mediterranean Ridge: Near-bottom and in situ observations	Deep-Sea Research I 52 (2005) 1911–1931		
10-268	Rie MorijiriT, Mitsuru Nakagawa	2005,	Small-scale me'lange fabric between serpentinite block and matrix: Magnetic evidence from the Mitsuishi ultramafic rock body, Hokkaido, Japan	Tectonophysics,	398,	33-44.
10-276	M. H. Bulmer,1 L. S. Glaze,2 S. Anderson,3 and K. M. Shockey	2005,	Distinguishing between primary and secondary emplacement events of blocky volcanic deposits using rock size distributions	JOURNAL OF GEOPHYSICAL RESEARCH	110,	B01201; 12p
10-279	Gerardo Carrasco-Núñez · Michael J. Branney	2005,	Progressive assembly of a massive layer of ignimbrite with a normal-to-reverse compositional zoning: the Zaragoza ignimbrite of central Mexico.	Bull volcanol,	68,	3-20.
10-291	Serge Andre'fouet · t · Hector M. Guzman	2005,	Coral reef distribution, status and geomorphology–biodiversity relationship in Kuna Yala (San Blas) archipelago, Caribbean Panama.	Coral Reefs,	24,	31-42.
10-299	William W. Chadwick Jr.a,T, Robert W. Embleyb, Paul D. Johnson Susan G. Merlea, Shannon Ristaub, Andra Bobbitt	2005,	The submarine flanks of Anatahan Volcano, commonwealth of the Northern Mariana Islands	Journal of volcanology and geothermal research,	146,	8-25.
10-355	Hideshima Mashima	2005,	Partial melting controls on the northwest Kyushu basalts from Saga-Futagoyama	The Island Arc,	14,	165-177.
10-374	Satoshi Noguchi · Atsushi Toramaru · Taketo Shimano	2005,	Crystallization of microlites and degassing during magma ascent: Constraints on the fluid mechanical behavior of magma during the Tenjo Eruption on Kozu Island, Japan.	Bull volcanol,		DOI 10.1007/s00445-005-0019-
10-390	Brian S. Parsons a,1, Peter R. Vogt a,2, Hafliði Hafliðason b, Woo-Yeol Jung	2005,	Sidescan and video exploration of the Storegga slide headwall region by submarine NR-1.	Marine Geology,	219,	195-205.
10-432	David R. Hiltona,*, John S. Pallisterb, Rudolfo M. Puac	2005,	Introduction to the Special Issue on the 2003 Eruption of Anatahan Volcano, Commonwealth of the Northern Mariana Islands (CNMI).	Journal of volcanology and Geothermal research,	146,	1-7.
10-434	Sparks, S. & Self, S. et al.,	2005,	Super-eruptions: global effects and future threats.	Report of a Geological Society of London Working Group (2nd (print) Edn.).		Http pdf
10-435	Takeshi Hanyua,*, David A. Clagueb, Ichiro Kaneoka Tibor J. Dunaid, Gareth R. Daviesd,	2005,	Noble gas systematics of submarine alkalic lavas near the Hawaiian hotspot.	Chemical Geology,	214,	135-155.
10-462	Steven N. Ward and Simon Day,	2005,	Tsunami Thoughts.	CSEG RECORDER,	pdf	38-44.
10-495	Vincent van Ginneken1,*, Erik Antonissen1, Ulrike K. Müller2, Ronald Booms3, Ep Eding3 Johan Verreth3 and Guido van den Thillart1,	2005,	Eel migration to the Sargasso: remarkably high swimming efficiency and low energy costs.	The Journal of Experimental Biology	208,	1329-1335.
10-526	Ivan P. Savov,2 Steve Guggino,2 Jeffrey G. Ryan,2 Patricia Fryer,3 and Michael J. Mottl4	2005,	4. GEOCHEMISTRY OF SERPENTINITE MUDS AND METAMORPHIC ROCKS FROM THE MARIANA FOREARC, ODP SITES 1200 AND 778–779, SOUTH CHAMORRO AND CONICAL SEAMOUNTS.	Shinohara, M., Salisbury, M.H., and Richter, C. (Eds.) Proceedings of the Ocean Drilling Program, Scientific Results,	195,	1–49.
10-527	Anna M. Courtier,2, 3 David J. Hart,4 and Nikolas I. Christensen2	2005,	11. SEISMIC PROPERTIES OF LEG 195 SERPENTINITES AND THEIR GEOPHYSICAL IMPLICATIONS	Shinohara, M., Salisbury, M.H., and Richter, C. (Eds.) Proceedings of the Ocean Drilling Program, Scientific Results,	195,	1-12.
10-554	Robert J. Stern	2005,	Evidence from ophiolites, blueschists, and ultrahigh-pressure metamorphic terranes that the modern episode of subduction tectonics began in Neoproterozoic time.	Geology,	33,	557-560.
10-556	JOHN W. SHERVAIS,1 PETER KOLESAR, AND KYLE ANDREASEN,	2005,	A Field and Chemical Study of Serpentinization—Stonyford, California: Chemical Flux and Mass Balance.	International Geology Review,	47,	1-23.
10-571	M.S. Millera,*, A. Gorbatovb, B.L.N. Kennetta	2005,	Heterogeneity within the subducting Pacific slab beneath the Izu–Bonin–Mariana arc: Evidence from tomography using 3D ray tracing inversion techniques.	Earth and Planetary Science Letters	235,	331– 342.
12-031	F. Innocenti,T, S. Agostini, G. Di Vincenzob, C. Doglionic, P. Manettib M.Y. SavaYc,ind, S. Tonarini	2005,	Neogene and Quaternary volcanism in Western Anatolia: Magma sources and geodynamic evolution.	Marine Geology	221,	397-421.
12-035	W.P. Schellart	2005,	Influence of the subducting plate velocity on the geometry of the slab and migration of the subduction hinge.	Earth and Planetary Science Letters	231,	197-219.
12-039	Arnauld Heuret*, Serge Lallemand	2005,	Plate motions, slab dynamics and back-arc deformation.	Physics of the Earth and Planetary Interiors	149,	31-51.
12-109	Vincent van Ginneken **, Erik Antonissen I, Ulrike K. Miiller2, Ronald Booms3, Ep Eding3, Johan Verreth3 and Guido van den Thillart'	2005,	Eel migration to the Sargasso: remarkably high swimming efficiency and low energy costs.	The journal of experimental biology,	208,	1329-1335.

12-111	Ethan Nedeau	2005,	Where have all the eels gone?	http://www.gulfmaine.org/times/summer2005/eel.html		
12-307	M.I.R. Geea*, R.L. Gawthorpe, J.S. Friedmann	2005,	Giant striations at the base of a submarine landslide	Marine Geology,	214,	287-294.
12-363	L. Reijnders	2005,	Disposal, uses and treatments of combustion ashes: a review.	Resources, Conservation and Recycling	43,	313-336.
12-444	Hisayoshi Yokose *, Peter W. Lipman b,t, Toshiya Kanamatsu	2005,	Physical and chemical properties of submarine basaltic rocks from the submarine flanks of the Hawaiian Islands.	Marine Geology,	xx	xxx-xxx
12-498	Rhea K. Workman, Stanley R. Hart,	2005,	Major and Trace Element Composition of the Depleted MORB Mantle (DMM)	Earth and Planetary Science Letters,	231,	53-72.
12-511	Philip M. Scotney Æ Stephen Roberts Richard J. Herrington Æ Adrian J. Boyce Æ Ray Burgess,	2005,	The development of volcanic hosted massive sulfid and barite-gold orebodies on Watar Island, Indonesia.	Miner Deposita,	40,	76-99.
12-530	H. Martina*, R. H. Smithies, R. Rappe, J. -F. Moyend, D. Champione	2005,	An overview of adakite, tonalite-trondhjemite-granodiorite (TTG), and sanukitoid: relationships and some implications for crustal evolution.	Lithos,	79,	1-24.
12-539	Rosalind V. White, Andrew D. Saunders	2005,	Volcanism, impact and mass extinctions: incredible or credible coincidences?	Lithos,	79,	299-316.
12-540	E. Valsami-Jones*, E. Baltatzis, E.H. Bailey, A.J. Boyced, J.L. Alexandere A. Magganab, L. Andersonf, S. Waldron, K.V. Ragnarsdottir.	2005,	The geochemical of fluids from an active shallow submarine hydrothermal system: Milos island, Hellenic Volcanic Arc.	Journal of Volcanology and geothermal Research,	xx	xxx-xxx
12-541	Kent C. Condie	2005,	TTGs and adakites: are they both slab melts?	Lithos,	80,	33-44.
12-549	Helene Gaonac'h · Shaun Lovejoy · Daniel Schertzer	2005,	Scaling vesicle distributions and volcanic eruptions	Bull Volcanol,	67,	350-357.
12-552	J. M. Rhodes · M. J. Vollinger	2005,	Ferric / ferrous ratios in 1984 Mauna Loa lavas: a contribution to understanding the oxidation state of Hawaiian magmas.	Contrib Mineral Petrol	149,	666-674.
12-600	Alexander V. Sobolev1 Albrecht W. Hofmann1 Stephan V. Sobolev3 Igor K. Nikogosian5	2005,	An olivine-free mantle source of Hawaiian shield basalts.	Nature,	434,	590-597.
12-604	Alfredo Camacho', James K. W. Lee1 , Bastiaan J. Hensen2 & Jean Braun	2005,	Short-lived orogenic cycles and the eclogitization of cold crust by spasmodic hot fluids.	Nature,	435,	1191-1196.
12-638	David W. Graham,	2005,	Neon illuminates the mantle.	Nature,	433,	25-26.
12-639	Chris J. Ballentine 1, Bernard Marty2 3, Barbara Sherwood Loll a~ & Martin Cassidy5	2005,	Neon isotopes constrain convection and volatile origin in the Earth's mantle	Nature,	433,	33-38.
12-641	J.-M. Kendall G. W. Stuart1 C. J. Ebinger I. D. Bastow 1 & D. Keir2	2005,	Magma-assisted rifting in Ethiopia	Nature,	433,	146-148.
12-642	Marco Lig1, Enrico Bonatti12 3, Anna Clpriani, Luisa Ottolini~	2005,	Water-rich basalts at mid-ocean-ridge cold spots.	Nature,	434,	66-69
12-b013	EDITED BY M.J.HEAD P.L. GIBBARD	2005,	contents:Early-Middle Pleistocene Transitions: The Land-Ocean Evidence	Early-Middle Pleistocene Transitions: The Land-Ocean Evidence	GEOLOGICAL SOCIETY SPECIAL PUBLICATION NO. 247	0-25.
12-b029	M. S. HOLNESS, K. DANE, R. SIDES, C. RICHARDSON AND M. CADDICK	2005,	Melting and melt segregation in the aureole of the Glenmore Plug, Ardnamurchan	J. Metamorphic Geol.,	23,	29-43.
15-140	藤岡典夫,	2005,	予防原則の意義。	農林水産政策研究,	8,	33-52.
16-121	T.A.C. Zittera, C. Huguenb, J.M. Woodside	2005,	Geology of mud volcanoes in the eastern Mediterranean from combined sidescan sonar and submersible surveys.	Deep-sea Research I	52,	457-475.
16-122	W.D. Maier	2005,	Platinum-group element (PGE) deposits and occurrences: Mineralization styles, genetic concepts, and exploration criteria.	Journal of African Earth Sciences	41,	165-191.
06-3137	大谷康夫,土出昌一、芝田厚、加藤茂、岩淵義郎	2004,	日本周辺海域火山通覧(第3版)。	海洋情報部研究報告、	40,	1-62.
12-056	長岡信治、古山勝彦、	2004,	五島列島福江島、鬼岳火山群の噴火史。	地学雑誌、	113,	349-382.
12-566	Richard J Arculus	2004,	ss11/2004,NOTOVE-2004 (Northern Tonga Vents Expedition) Submarine hydrothermal plume activity and petrology of the northern Tofua Arc, Tonga.			
12-572	JTクリエイティブサービス新聞編集部、	2004,	様々な形に変化する塩の結晶。	たばこ塩産産新聞塩事業版、		
15-265	浦島幸世	2004,	山ヶ野、串木野、大口金山ー1975年頃までの金鉱探しー	地質ニュース、	599,	20-30.
04-003	McMurtry, G.M., Watts, P., Fryer, G.J., Smith, J.R., and Imamura, F.,	2004,	Giant landslides, mega-tsunamis, and paleo-sea level in the Hawaiian Islands.	Mar. Geol.,	203,	219-233.
04-004	McAdoo, B.G., and Watts, P.,	2004,	Tsunami hazard from submarine landslides on the Oregon continental slope.	Marine geol.,	203,	1-23.
04-045	Adams, P.N., Slingerland, R.L., and Smith N.D.,	2004,	Variations in natural levee morphology in anastomosed channel flood plain complexes.	Geomorphology,	(in press)	
04-049	Hutton, E.W.H., and Syvitski, J.P.M.,	2004,	Advances in the numerical modeling of sediment failure during the development of a continental margin.	Marine geol.,	203,	367-380.
04-050	Haskins, E.H., and Garcia, M.O.,	2004,	Scientific drilling reveals geochemical heterogeneity within the Ko'olau shield, Hawai'i	Contrib. Mineral Petrol.,	in press	
04-051	Tappin, D.R.,	2004,	Preface.	Marine geol.,	203,	199-200.
04-053	Martel, S.J.,	2004,	Mechanics of landslide initiation as a shear fracture phenomenon.	Marine geol.,	203,	319-339.
04-054	Silva, A.J., Baxter, C.D.P., LaRosa, P.T., and Bryant, W.R.,	2004,	Investigation of mass wasting on the continental slope and rise.	Marine geol.,	203,	355-366.
04-055	Fryer, G.J., Watts, P., and Pratson, L.F.,	2004,	Source of the great tsunami of 1 April 1946: a landslide in the upper Aleutian forearc.	Marine geol.,	203,	201-218.
04-056	Normark, W.R., McGann, M., and Sliter, R.,	2004,	Age of Palos Verdes submarine debris avalanche, southern California.	Marine geol.,	203,	247-259.

(Marine volcanology, Kumamoto Univ.)

04-058	Bohannon, R.G., and Gardner, J.V.,	2004,	Submarine landslides of San Pedro Escarpment, southwest of Long Beach, California.	Marine geol.,	203,	261-268.
04-059	Locat, J., Lee, H.J., Locat, P., and Imran, J.,	2004,	Numerical analysis of the mobility of the Palos Verdes debris avalanche, California, and its implication for the generation of tsunamis.	Marine geol.,	203,	269-280.
04-060	Watts, P.,	2004,	Probabilistic predictions of landslide tsunamis off Southern California.	Marine geol.,	203,	281-301.
04-061	von Huene, R., Ranero, C.R., and Watts, P.,	2004,	Tsunamigenic slope failure along the Middle America trench in tectonic settings.	Marine geol.,	203,	303-317.
04-062	Biscontin, C., Pestana, J.M., and Nadim, F.,	2004,	Seismic triggering of submarine slides in soft cohesive soil deposits.	Marine geol.,	203,	341-354.
04-077	Mason, B.G., Pyle, D.M., and Oppenheimer, C.,	2004,	The size and frequency of the largest explosive eruptions on Earth.	Bull. Volcanol.,	66,	735-748.
05-001	Holcomb, R.T., and Robinson, J.E.,	2004,	Maps of Hawaiian Islands Exclusive Economic Zone interpreted from GLORIA sidescan-sonar imagery.	U.S. Geol. Surv. scientific investigations map,	SIM-2824	9 p., 1 plate.
05-003	Moore, J.G., and Clague, D.A.,	2004,	Hawaiian submarine manganese-iron oxide crusts - A dating tool?	Geol. Soc. Amer. Bull.,	116,	337-347.
05-034	Webster, J., Thomas, R., Forster, H.-J., Seltmann, R., and Tappen, C.,	2004,	Geochemical evolution of halogen-enriched granite magmas and mineralizing fluids of the Zinnwald tin-tungsten mining district, Erzgebirge, Germany.	Miner. Deposita.,	39,	452-472.
05-059	Malamud, B.D., Turcotte, D.L., Guzzetti, F., and Reichenbach, P.,	2004,	Landslide inventories and their statistical properties.	Earth Surf. Process. Landforms,	29,	687-711.
05-061	Brardinoni, F., and Church, M.,	2004,	Representing the landslide magnitude-frequency relation: Capilano river basin, British Columbia.	Earth Surf. Process. Landforms,	29,	115-124.
06-002	Talling, P.J., Amy, L.A., Wynn, R.B., Peakall, J., and Robinson, M.,	2004,	Beds comprising debrite sandwiched within co-genetic turbidite: origin and widespread occurrence in distal depositional environments.	Sedimentology	51,	163-194.
06-008	Leslie, S.C., Moore, G.F., and Morgan, J.K.,	2004,	Internal structure of Puna Ridge: evolution of the submarine East Rift Zone of Kilauea volcano, Hawaii.	J. Volcanol. Geotherm. Res.	129,	237-259.
06-015	Coombs, M.L., Clague, D.A., Moore, G.F., and Cousens, B.L.,	2004,	Growth and collapse of Waianae Volcano, Hawaii, as revealed by exploration of its submarine flanks.	Geochem. Geophys. Geosyst.	5,	Q08006.doi:10.1029/2004GC005200
06-020	Yokose H. and Lipman P.W.	2004,	Emplacement mechanisms of the South Kona slide complex, Hawaii Island: sampling and observations by Remotely Operated Vehicle Kaiko.	Bull. Volcanol.	66,	569-584.
06-2007	Frank C. Ramos, John A. Wolff, Darren L. Tollstrup	2004,	Measuring <sup>87</sup> Sr/ <sup>86</sup> Sr variations in minerals and groundmass from basalts using LA-MC-ICPMS	Chemical Geol.,	211,	135-158
06-3017	Yang, S.Y., Lim, D.I., Jung, H.S., Oh, B.C.,	2004,	Geochemical composition and provenance discrimination of coastal sediments around Cheju Island in the southeastern Yellow Sea.	Marine Geol.,	206,	41-53.
06-3050	Martin, U. Breitkreuz, C., Egenhoff, S., Enos, P., Jansa, L.,	2004,	Shallow-marine phreatomagmatic eruptions through a semi-solidified carbonate platform (ODP Leg 144, Site 878, Early Cretaceous, MIT Guyot, West Pacific)	Marine Geol.,	204,	251-272.
06-3064	Yamagishi, H., Watanabe, T., Yamazaki, F.,	2004,	Sequence of faulting and deformation during the 2000 eruptions of the Usu Volcano, Hokkaido, Japan ~ interpretation and image analyses of aerial photographs.	Geomorphology,	57,	353-365.
06-3103	Yamada, Y., Okamura, A., Tanaka, S., Mikawa, N., Horie, N., Utoh, T., Akazawa, A., Oka, H.P.,	2004,	Monthly changes in the swim bladder morphology of the female Japanese eel <i>Anguilla japonica</i> in the coastal waters of Mikawa Bay, Japan.	Ichthyol. Res.,	51,	52-56.
06-3117	Sdrolias, M., Roest, W.R., Muller, R.D.,	2004,	An expression of Philippine Sea plate rotation: the Parece Vela and Shikoku Basins.	Tectonophysics,	394,	69-86.
06-3121	Sdrolias, M., Roest, W.R., Muller, R.D.,	2004,	An expression of Philippine Sea plate rotation: the Parece Vela and Shikoku Basins.	Tectonophysics,	394,	69-86.
06-3125	Honza, E., Fujioka, K.,	2004,	Formation of arcs and backarc basins inferred from the tectonic evolution of Southeast Asia since the Late Cretaceous.	Tectonophysics,	384,	23-53.
06-3158	Sato, T., Ishimura, C., Kasahara, J., Maegawa, K., Tatetsu, H., Tanaka, M.,	2004,	The seismicity and structure of Izu-Bonin arc mantle wedge at 31°N revealed by ocean bottom seismographic observation.	Phys. Earth Planet. Int.,	2004,	551-562.
07-019	Maekawa, H., Yamamoto, K., Ueno, T., Osada, Y., Nogami, N.,	2004,	Significance of serpentines and related rocks in the high-pressure metamorphic terranes, circum-Pacific regions.	International Geology Review,	46,	426-444.
07-041	金田義行, 木戸ゆかり, 高橋成実,	2004,	海洋性地殻と非海洋性地殻の科学.	月刊地球,	26,	660-675.
07-050	Mason, B.G., Pyle, D.M., Oppenheimer, C.,	2004,	The size and frequency of the largest explosive eruptions on Earth.	Bull. Volcanol.,	66,	735-748.
07-053	Lee, M.-Y., Chen, C.-H., Wei, K.-Y., Iizuka, Y., Carey, S.,	2004,	First Toba supereruption revival.	Geology,	32,	61-64.
07-082	高橋成実, 小平秀一, 篠原雅尚, 金田義行, 末廣潔,	2004,	IBM 北部・南部の比較構造学.	月刊地球,	26,	666-671.
07-228	Brown, R.J., Branney, M.J.,	2004,	Event-stratigraphy of a caldera-forming ignimbrite eruption on Tenerife: the 273 ka Poris Formation.	Bull. Volcanol.,	66,	392-416.
07-239	産業総合研究所地質調査総合センター	2004,	日本重力 CD-ROM 第2版.	Geol. Surv. Jap., AIST,	DGM P-2	CD-ROM
07-246	Norini, G., Gropelli, G., Capra, L., De Beni, E.,	2004,	Morphological analysis of Nevado de Toluca volcano (Mexico): new insights into the structure and evolution of an andesitic to dacitic stratovolcano.	Geomorphology,	62,	47-61.
08-022	Curran, K.J., Hill, P.S., Schell, T.M., Milligan, T.G., Piper, D.J.W.,	2004,	Inferring the mass fraction of floe-deposited mud: application to fine-grained turbidites.	Sedimentology,	51,	327-944.
08-037	Sylvester, Z., Lowe, D.R.,	2004,	Textural trends in deposits of collapsing turbidity currents: sedimentology of turbidites and slurry beds from the Oligocene flysch of the East Carpathians, Romania.	Sedimentology,	51,	945-972.
08-048	Curran, K.J., Hill, P.S., Schell, T.M., Milligan, T.G., Piper, D.J.W.,	2004,	Inferring the mass fraction of floe-deposited mud: application to fine-grained turbidites.	Sedimentology,	51,	327-944.
08-050	McMurtry, G.M., Fryer, G.J., Tappin, D.R., Wilkinson, I.P., Williams, M., Fietzke, J., Garbe-Schoenberg, D., Watts, P.,	2004,	Megatsunami deposits on Kohala volcano, Hawaii, from flank collapse of Mauna Loa.	Geology,	32,	741-744.
08-186	鎌田浩毅, 小沢絢子, 田上高広,	2004,	フィリピン海・琉球弧・西南日本弧に共通するテクトニクスの変化.	月刊地球,	26,	356-368.
09-016	Ono, Y., Irino, T.,	2004,	Southern migration of westerlies in the Northern Hemisphere PEP II transect during the Last Glacial maximum.	Quaternary International,	118-119,	13-22.

09-033	Goto, Y., Tsuchiya, N.,	2004,	Morphology and growth style of a Miocene submarine dacite lava dome at Atsumi, northeast Japan.	J. Volcanol. Geotherm. Res.,	134,	255-275.
09-074	Ueda, Y.,	2004,	Paleomagnetism of seamounts in the West Philippine Sea as inferred from correlation analysis of magnetic anomalies.	Earth Planets Space.,	56,	967-977.
09-084	松本良浩, 戸澤実,	2004,	汎用解析型GISソフトウェアによる電子測量原図の作成.	海洋情報技術,	22,	20-32.
09-108	地質調査総合センター(編),	2004,	日本重力 CD-ROM 第2版, 数値地質図 P-2.	地質調査総合センター,		
09-108	地質調査総合センター(編),	2004,	日本重力 CD-ROM 第2版, 数値地質図 P-2.	地質調査総合センター,		
09-134	渡辺寧,	2004,	生きている九州一熱水性金鉱床生成区の変遷.	地質ニュース,	599,	31-39.
10-024	Harlow, G.E., Hemming, S.R., Ave Lallemand, H.G., Sisson, V.B., Sorensen, S.S.,	2004,	Two high-pressure-low-temperature serpentinite-matrix melange belts, Motagua fault zone, Guatemala: A record of Aptian and Maastrichtian collision.	Geology,	32,	17-20.
10-033	Mottl, M.J., Wheat, C.G., Fryer, P., Gharib, J., Martin, J.B.,	2004,	Chemistry of springs across the Mariana forearc shows progressive devolatilization of the subducting plate.	Geochim. Et Cosmochim. Acta,	68,	4915-4933.
10-041	Lyman, A.W., Koenig, E., Fink, J.H.,	2004,	Predicting yield strengths and effusion rates of lava domes from morphology and underlying topography.	Journal of volcanology and Geothermal research,	129,	125-138.
10-052	Ueda, H., Usuki, T., Kuramoto, Y.,	2004,	Intraoceanic unroofing of eclogite facies rocks in the Omachi Seamount, Izu-Bonin frontal arc.	Geology,	32,	849-852.
10-102	渡辺寧,	2004,	生きている九州一熱水性金鉱床生成区の変遷.	地質ニュース,	599,	31-39.
10-129	Bryan, S.E., Cook, A., Evans, J.P., Colls, P.W., Wells, M.G., Lawrence, M.G., Jell, J.S., Greig, A., Leslie, R.,	2004,	Pumice rafting and faunal dispersion during 2001-2002 in the Southwest Pacific: record of a dacitic submarine explosive eruption from Tonga.	Earth and Planetary Science Letters,	227,	135-154.
10-138	Bachmann, O., Bergantz, G.W.,	2004,	On the origin of crystal-poor rhyolites: extracted from batholithic crystal mushes.	Journal of Petrology,	45,	1565-1582.
10-180	Grevemeyer, I., Kopf, A.J., Fekete, N., Kaul, N., Villinger, H.W., Heesemann, M., Wallmann, K., SpieB, V., Gennerich, H.-H., Muller, M., Weinrebe, W.,	2004,	Fluid flow through active mud dome Mound Culeba offshore Nicoya peninsula, Costa Rica: evidence from heat flow surveying.	Marine Geology,	207,	145-157.
10-186	P. CLARI,1 S. CAVAGNA,1 L. MARTIRE,1 AND J. HUNZIKER2	2004,	A MIOCENE MUD VOLCANO AND ITS PLUMBING SYSTEM: A CHAOTIC COMPLEX REVISITED (MONFERRATO, NW ITALY)	JOURNAL OF SEDIMENTARY RESEARCH, VOL. 74, NO. 5, SEPTEMBER, 2004, P. 662-676		
10-209	Caroline Huguena, Jean Masclea*, Eric Chaumillonb, Achim Kopf c, John Woodsided, Tiphaine Zitterd	2004,	Structural setting and tectonic control of mud volcanoes from the Central Mediterranean Ridge (Eastern Mediterranean)	Marine Geology,	209,	245-263.
10-237	Hayato Ueda, Tadashi Usuki and Yoshiyuki Kuramoto	2004,	Intraoceanic unroofing of eclogite facies rocks in the Omachi Seamount, Izu-Bonin frontal arc	Geology,	32,	849-852.
10-241	B. Ellis, L. Wilson and H. Pinkerton	2004,	ESTIMATING THE RHEOLOGY OF BASALTIC LAVA FLOWS	Lunar and Planetary	XXXV	1550.pdf
10-242	OLIVIER BACHMANN* AND GEORGE W. BERGANTZ	2004,	On the Origin of Crystal-poor Rhyolites: Extracted from Batholithic Crystal Mushes	Journal of Petrology,	45,	1565-1582.
10-283	FU Mingzuo1, LIU Lejun1,2,3, ZHENG Yanpeng1,4 LIU Baohua1, WU Jinlong1 & XU Xiaowei1	2004,	Tectonic geomorphology of the Ryukyu Trench-Arc-Backarc System: geological-geophysical exploration and mapping	Chinese Science Bulletin	49,	1512-1526.
10-296	M. D'Antonio (1), P. Spadea (2), A. Zanetti (3), R. Vannucci (3,4)	2004,	BULK ROCK AND MINERAL CHEMISTRY OF PERIDOTITES FROM THE SOUTH CHAMORRO SEAMOUNT, MARIANA FOREARC, AND THE PETROGENESIS OF MANTLE WEDGE PERIDOTITES	Geophysical Research Abstracts,	6,	SRef-ID: 1607-7962/gr-a/EGU04-
10-300	Daniel Fornari1, Maurice Tivey1, Hans Schouten1, Michael Perfit2 Dana Yoerger1+, Al Bradley1+, Margo Edwards3, Rachel Haymon4 Daniel Scheirer5, Karen Von Damm6, Timothy Shank1#, Adam Soule1	2004,	Submarine Lava Flow Emplacement at the East Pacific Rise 9° 50'N: Implications for Uppermost Ocean Crust Stratigraphy and Hydrothermal Fluid Circulation	The Thermal Structure of the Ocean Crust and the Dynamics of Hydrothermal Circulation Geophysical Monograph	148,	187-218.
10-310	Christoph Breitzkreuz	2004,	Silicic Lava Domes: between Field Observations and Analog Modelling"	TU Bergakademie Freiberg, Oberseminar Geologie		http, pdf
10-315	Yoshihiko GOTO *, Yukie ITO *, Yu YOKOYAMA *, Tomoyuki MATSUI ** and Saburo MIMATSU	2004,	Internal structures of a subaerial dacite cryptodome at Usu volcano, Hokkaido, Japan	Mem. Muroran Inst. Tech.,	54,	3-10.
10-323	George E. Harlow, Sidney R. Hemming, Hans G. Ave Lallemand, Virginia B. Sisson and Sorena S. Sorensen	2004,	Two high-pressure-low-temperature serpentinite-matrix mélangé belts, Motagua fault zone, Guatemala: A record of Aptian and Maastrichtian collisions.	Geology,	32,	17-20.
10-338	鎌田浩毅, 小沢絢子, 田上高広,	2004,	フィリピン弧・琉球弧・西南日本弧に共通するテクトニックの変化.	月刊地球,	26,	356-
10-350	Meng-Yang Lee* Chang-Hwa Chen Kuo-Yen Wei Yoshiyuki Iizuka Steven Carey	2004,	First Toba supereruption revival	Geology,	32,	61-64.
10-356	Ben G. Mason ·David M. Pyle ·Clive Oppenheimer	2004,	The size and frequency of the largest explosive eruptions on Earth.	Bull volcanol,	66,	735-748.
10-358	Gary M. McMurtry, Gerard J. Fryer, David R. Tappin, Ian P. Wilkinson, Mark Williams, Jan Pietzke, Dieter Garbe-Schoenberg, Philip Watts	2004,	Megatsunami deposits on Kohala volcano, Hawaii, from flank collapse of Mauna Loa.	Geology,	32,	741-744.
10-362	MICHAEL J. MOTTL,1,* C. GEOFFREY WHEAT,2 PATRICIA FRYER,3 JIM GHARIB,4 and JONATHAN B. MARTIN,	2004,	Chemistry of springs across the Mariana forearc shows progressive devolatilization of the subducting plate.	Geochimica et Cosmochimica Acta,	68,	4915-4933.

(Marine volcanology, Kumamoto Univ.)

10-378	Julia K. Morgana*, Johanna M. Resig b, William G. Stesser,	2004,	Microfossil Assemblages on Tuscaloosa Seamount and Their Constraints on the Age of Nuuanu Landslide, North of Oahu, HI.	Journal of Volcanology and Geothermal Research ,	pre-print	pre-print
10-422	G.M. McMurtry a, P. Watts b, G.J. Fryer a, J.R. Smith a, F. Imamura c	2004,	Giant landslides, mega-tsunamis, and paleo-sea level in the Hawaiian Islands.	Marine Geology,	203,	219-233.
10-454	Kozo Utoa,*, Nguyen Hoanga, Kazunori Matsuib,	2004,	Cenozoic lithospheric extension induced magmatism in Southwest Japan.	Tectonophysics,	393,	281-299.
10-460	Michelle L. Coombs, David A. Clague, Gregory F. Moore, Brian L. Cousins,	2004,	Growth and collapse of Waianae Volcano, Hawaii, as revealed by exploration of its submarine flanks.	Geochemistry Geophysics Geosystems,	5,	30pp. Q08006, doi:10.1029/2004G
10-463	渡辺 寧,	2004,	生きている九州-浅熱水性金鉱床生成区の変遷.	地質ニュース,	599,	31-39.
10-485	MICHAEL J. MOTTL,1,* C. GEOFFREY WHEAT,2 PATRICIA FRYER,3 JIM GHARIB,4 and JONATHAN B. MARTIN5	2004,	Chemistry of springs across the Mariana forearc shows progressive devolatilization of the subducting plate.	Geochimica et Cosmochimica Acta,	68,	4915-4933.
10-487	Angelo Minissale,	2004,	Origin, transport and discharge of CO2 in central Italy.	Earth-Science Reviews,	66,	89-141.
10-518	Zohar Gvirtzman,	2004,	Bathymetry of Mariana trench-arc system and formation of the Challenger Deep as a consequence of weak plate coupling.	TECTONICS,	23,	TC2011, doi:10.1029/2003T0001581
10-558	Robert J. Stern	2004,	Subduction initiation: spontaneous and induced.	Earth and Planetary Science Letters	226,	275-292.
10-570	M.S. Millera,b,*, B.L.N. Kennetta, G.S. Listera	2004,	Imaging changes in morphology, geometry, and physical properties of the subducting Pacific plate along the Izu-Bonin-Mariana arc.	Earth and Planetary Science Letters	224,	363-370.
12-016	Feng Guoa,*, Weiming Fana, Yuejun Wanga, Ming Zhangb	2004,	Origin of early Cretaceous calc-alkaline lamprophyres from the Sulu orogen in eastern China: implications for enrichment processes beneath continental collisional belt.	Lithos	78,	291-305.
12-023	R.C.O. Gilla,*, A. Apariciob, M. El Azzouic, J. Hernandezd, M.F. Thirlwalla, J. Bourgoise, G.F. Marrinera	2004,	Depleted arc volcanism in the Alboran Sea and shoshonitic volcanism in Morocco: geochemical and isotopic constraints on Neogene tectonic processes.	Lithos	78,	363-388.
12-045	P.T. Leata,*, J.A. Pearceb,1, P.F. Barkera,2, I.L. Millara,c,3, T.L. Barryb,c,4, R.D. Larter	2004,	Magma genesis and mantle flow at a subducting slab edge: the South Sandwich arc-basin system.	Earth and Planetary Science Letters	227,	17-35.
12-114	Press Release O.C.F.A	2004,	Fishing Industly Angered by Eel Fis/wy's Demise			
12-249	S.E. Bryana,*, A. Cookb, J.P. Evansa, P.W. Collsc, M.G. Wellsa, M.G. Lawrence J.S. Jelle, A. Greigd, R. Leslie	2004,	Pumice rafting and faunal dispersion during 2001-2002 in the Southwest Pacific: record of a dacitic submarine explosive eruption from Tonga.	Earth and Planetary Science Letters,	227,	135-154.
12-267	P.T. Leata,*, J.A. Pearceb,1, P.F. Barkera,2, I.L. Millara,c,3, T.L. Barryb,c,4, R.D. Larter	2004,	Magma genesis and mantle flow at a subducting slab edge: the South Sandwich arc-basin system.	Earth and Planetary Science Letters,	227,	17-35.
12-301	Gary M. McMurtry, Gerard J. Fryer, David R. Tappin, Ian P. Wilkinson, Mark Williams, Jan Fietzke, Dieter Garbe-Schoenberg, Philip Watts	2004,	Megatsunami deposits on Kohala volcano, Hawaii, from flank collapse of Mauna Loa.	Geology,	32,	741-744.
12-352	Pete Hollings a,*, Robert Kerrich	2004,	Geochemical systematics of tholeiites from the 2.86 Ga Pickle Crow Assemblage, northwestern Ontario: arc basal with positive and negative Nb-Hf anomalies.	Precambrian Research,	134,	1-20.
12-440	Noboru SASAHARA	2004,	Numerical Simulation of the Tsunami caused by the sector Collapse of Mt. Mayuyama, Shimabara Peninsula, Kyushu in 1792. (in Japanese)	REPOIU OF HYDROGRAPHIC AND OCEANOGRAPHIC RESEARCH	40,	
12-457	Toshiya KANAMATSUJ * 5 Masayuki TOIZUMI* 6 Rie ISHII Jiro NAKAJ * 7 Eiichi Takahashi,	2004,	Bathymetry of the Hawaiian underwater area, obtained by "KAIREI" and "YOI-OSUI-A". (in Japanese)	JAMSTEC DEEP SEA Research,	24,	51-61.
12-469	JACO H. BAAS*, WESSEL VAN KESTERENT and GEORGE POSTMA	2004,	Deposits of depletive high-density turbidity currents: a flume analogue of bed geometry, structure and texture.	Sedimentology,	51,	1053-1088.
12-520	Daniel Fornari 1, Maurice Tivey1, Hans Schouten 1, Michael Perfit2, Dana Yoerger1+, Al Bradley1+, Margo Edwards3, Rachel Haymon4, Daniel Scheirer5, Karen Von Damm6, Timothy Shank.1#, Adam Soule1,	2004,	Submarine lava flow emplacement at the East Pacific Rise 9° 50'N: implications for uppermost ocean crust stratigraphy and hydrothermal fluid circulation.	Geophysical Monograph,	148,	187-218.
12-522	Wolfgang Schlager	2004,	Fractal nature of stratigraphic sequences.	Geology,	32,	185-188.
12-533	Kenneth D. Smith,1* David von Seggern,1 Geoffrey Blewitt Leiph Preston, 1 John G. Anderson, 1 Brian P. Wernicke James L. Davis,	2004,	Evidence for deep magma injection beneath Lake Tahoe, Nevada-California.	Science,	305,	1277-1280.
12-535	Dick T. Claeson Æ William P. Meurer	2004,	Fractional crystallization of hydrous basaltic "arc-type" magmas and the formation of amphibole-bearing gabbroic cumulates.	Contrib Mineral Petrol	147,	288-304.
12-536	Darren G. Chertkoff · James E. Gardner	2004,	Nature and timing of magma interactions before, during, and after the caldera-forming eruption of Volcan Ceboruco, Mexico.	Contrib Mineral Petrol	146,	715-735.
12-570	Richard E. Hanson,1* James L. Crowley,2 Samuel A. Bowring,2 jahandar Ramezani,2 Wulf A. Gose,3 Ian W. D. Dalziel,3.4 James A. Pancake, 5 Emily K. Seidel, 1 Thomas G. Blenkinsop, 6 Joshua Mukwakwami7	2004,	Coeval large-scale magmatism in the Kalahari and Laurentian cratons during Rodinia assembly.	Science,	304,	1126-1129.

12-576	George E. Hilley,1* Roland Burgmann,1 Alessandro Ferretti Fabrizio Novali,2 Fabio Rocca	2004,	Dynamics of Slow-Moving Landslides from Permanent Scatterer Analysis.	Science,	304,	1952-1955.
12-580		2004,	Getting Warmer, However You Measure It	Science,	304,	805.
12-596	Stella Hurlley	2004,	Editor's choice: climate, Means of production.	Science,	304,	1567.
12-598	Editor's choice,	2004,	geology: Seamount Dynamics.	Science,	305,	754-755.
12-599	Cin-Ty Aeolus Lee	2004,	Are Earth's core and mantle on speaking terms?	Science,	306,	64-65.
12-603	Jorge A. Vazquez1*t and Mary R. Reid	2004,	Probing the accumulation history of the voluminous Toba magma.	Science,	305,	991-994.
12-607	Oliver Schenk ·Janos L. Urai	2004,	Microstructural evolution and grain boundary structure during static recrystallization in synthetic polycrystals of Sodium Chloride containing saturated brine.	Contrib Mineral Petrol	146,	671-682.
15-128	E. K. Pikitch,1* C. Santora,1 E. A. Babcock, 1 A. Bakun,2 R. Bonfil,3 D. O. Conover,4 P. Dayton,5 P. Doukakis,1 D. Fluharty,6 B. Heneman,7 E. D. Houde,8 J. Link,9 P. A. Livingston,10 M. Mangel,11 M. K. McAllister,12 J. Pope,13 K. J. Sainsbury14	2004,	Ecosystem-Based Fishery Management	Science,	305,	346-347.
16-060	Marc Fournier,1 Laurent Jolivet,1 Philippe Davy2 and Jean-Charles Thomas3	2004,	Backarc extension and collision: an experimental approach to the tectonics of Asia.	Geophys. J. Int.,	157,	871-889.
16-062	Andrew S. Goudie,	2004,	Encyclopedia of geomorphology.	International Association of Geomorphologists	volume 1.	1156 p.
16-117	JOSEPH M. ENGLISH1 AND STEPHEN T. JOHNSTON	2004,	The Laramide Orogeny: What Were the Driving Forces?	International Geology Review	46,	833-838.
16-178	John Panian & David Wiltschko	2004,	Ramp initiation in a thrust wedge.	Nature,	427,	624-627.
04-072	Walter, T.R., Troll, V.R., Belousov, A., Schminck, H.U., Amelung, F., and Bogaard,P.V.D.,	2004(in press)	Rift zone recognition through flank instability on ocean island volcanoes: an example from Tenerife Canary Islands.	Bull. Volcanol.,		
06-3116	原口 悟, 石井 輝秋,	2003,	伊豆小笠原・マリアナ弧における島弧性火成活動の変遷と島弧地殻形成過程との関係.	月刊地球号外	43,	59-66.
03-0021	Morgan, J.K., and Clague, D.A.,	2003,	Volcanic spreading on Mauna Loa volcano, Hawaii: evidence from accretion, alteration, and exhumation of volcanoclastic sediments.	Geol.,	31,	411-414.
03-0072	Morgan, J.K., Moore, G. F., and Clague, D.A.,	2003,	Papa'u Seamount and the Hilina slump: slope failure and volcanic spreading along the mobile south flank of Kilauea volcano, HI.	in prep. (submitted to JGR)		
03-0081	Davis, M.G., Garcia, M.O., and Wallace, P.,	2003,	Volatiles in glasses from Mauna Loa Volcano, Hawaii: implications for magma degassing and contamination, and growth of Hawaiian volcanoes.	Contrib. Mineral Petrol.,	144,	570-591.
03-0150	Sumner, J.M., and Wolff, J.,	2003,	Petrogenesis of mixed-magma, high-grade, peralkaline ignimbrite 'TL' (Gran Canaria): diverse styles of mixing in a replenished, zoned magma chamber.	J. Volcanol. Geotherm. Res.,	126,	109-126.
03-0151	Sumner, J.M., and Wolff, J.,	2003,	Petrogenesis of mixed-magma, high-grade, peralkaline ignimbrite 'TL' (Gran Canaria): diverse styles of mixing in a replenished, zoned magma chamber.	J. Volcanol. Geotherm. Res.,	126,	109-126.
03-0153	Allen, S.R., and McPhie, J.,	2003,	Phenocryst fragments in rhyolitic lavas and lava domes.	J. Volcanol. Geotherm.	126,	263-283.
03-0154	Tibaldi, A.,	2003,	influence of cone morphology on dykes, Stromboli, Italy.	J. Volcanol. Geotherm.	126,	79-95.
03-0155	Walter, T.R., and Troll, V.R.,	2003,	Experiments on rift zone evolution in unstable volcanic edifices.	J. Volcanol. Geotherm.	127,	107-120.
03-0156	Gregg,T.K.P., and Smith, D.K.,	2003,	Volcanic investigations of the Puna Ridge, Hawaii: relations of lava flow morphologies and underlying slopes.	J. Volcanol. Geotherm. Res.,	126,	63-77.
03-0157	Lipman, P.W., Eakins, B.W., and Yokose, H.,	2003,	Ups and downs on spreading flanks of ocean-island volcanoes: evidence from Mauna Loa and Kilauea.	Geology,	31,	841-844.
03-0172	Dixon, J.E., and Clague, D.A.,	2003,	Volatiles in basaltic glasses from Loihi Seamount, Hawaii: evidence for a relatively dry plume component.	J. Petrol.,	42,	627-654.
03-0173	Yang, H.-J., Frey, F.A., and Clgue, D.A.,	2003,	Constraints on the source components of lavas forming the Hawaiian North Arch and Honolulu Volcanics.	J. Petrol.,	44,	603-627.
04-007	Mitchell, N.C.,	2003,	Susceptibility of mid-ocean ridge volcanic islands and seamounts to large-scale landsliding.	J. Geophys. Res.,	108,	(1-23).
05-002	Eakins, B.W., Robinson, J.E., Kanamatsu, T., Naka, J., Smith, J.R., Takahashi, E., and Clague, D.A.,	2003,	Hawaii's volcanoes revealed.	U.S. Geol. Surv. geologic investigations,	I-2809	1 plate.
05-049	Perfit, M.R., Cann, J.R., Fornari, D.J., Engles, J., Smith, D.K., Ridley, W.L., and Edwards, M.H.,	2003,	Interaction of sea water and lava during submarine eruptions at mid-ocean ridges.	Nat.,	426,	62-65.
05-050	Adams, J.B., Mann, M.E., and Ammann, C.M.,	2003,	Proxy evidence for an El Nino-like response to volcanic forcing.	Nat.,	426,	274-278.
06-001	Couch, S., Sparks, R.S.J., and Carroll, M.R.,	2003,	The kinetics of degassing-induced crystallization at Soufriere Hills Volcano, Montserrat.	J. Petrol.	44,	1477-1502.
06-005	Faure, F., Trolliard, G., Nicollet, C., and Montel, J.-M.,	2003,	A developmental model of olivine morphology as a function of the cooling rate and the degree of undercooling.	Contrib. Min. Petrol.	145,	251-263.
06-021	Lipman P.W., Eakins B.W., and Yokose H.,	2003,	Ups and downs on spreading flanks of ocean-island volcanoes: evidence from Mauna Loa and Kilauea.	Geology	31,	841-844.
06-3065	Milner, D.M., Cole, J.W., Wood, C.P.,	2003,	Mamaku Ignimbrite: a caldera-forming ignimbrite erupted from a compositionally zoned magma chamber in Taupo Volcanic Zone, New Zealand.	J. Volcanol. Geotherm. Res.	122,	243-264.
06-3094	Dou, S.-Z., Tsukamoto, K.,	2003,	Observations on the nocturnal activity and feeding behavior of Anguilla japonica glass eels under laboratory conditions.	Environmental Biology of Fishes,	67,	389-395.
06-3096	Kotake, A., Arai, T., Ozawa, T., Nojima, S., Miller, M.J., Tsukamoto, K.,	2003,	Variation in migratory history of Japanese eels, Anguilla japonica, collected in coastal waters of the Amakusa Islands, Japan, inferred from otolith Sr/Ca ratios.	Marine Biology,	142,	849-854.



06-3097	Tzeng, W.-N., Iizuka, Y., Shiao, J.-C., Yamada, Y., Oka, H.P.,	2003,	Identification and growth rates comparison of divergent migratory contingents of Japanese eel ( <i>Anguilla japonica</i> )	Aquaculture,	216,	77-86.
06-3099	Arai, T., Kotake, A., Ohji, M., Miller, M.J., Tsukamoto, K., Miyazaki, N.,	2003,	Occurrence of sea eels of <i>Anguilla japonica</i> along the Sanriku coast of Japan.	Ichthyol. Res.,	50,	78-81.
06-3100	Pedersen, B.H.,	2003,	Induced sexual maturation of the European eel <i>Anguilla anguilla</i> and fertilisation of the eggs.	Aquaculture,	224,	323-338.
06-3113	Haraguchi, S., Ishii, T., Kimura, J.-I., Ohara, Y.,	2003,	Formation of tonalite from basaltic magma at the Komahashi-Daini Seamount, northern Kyushu-Palau Ridge in the Philippine Sea, and growth of Izu-Ogasawara (Bonin)-Mariana arc crust.	Contrib. Min. Petrol.	145,	151-168.
06-3118	Hall, C.E., Gurnis, M., Sdrolias, M., Lavier, L.L., Muller, R.D.,	2003,	Catastrophic initiation of subduction following forced convergence across fracture zones.	Earth Planet. Sci. Lett.,	212,	15-30.
06-3119	Fryer, P., Becker, N., Appelgate, B., Martinez, F., Edwards, M., Fryer, G.,	2003,	Why is the Challenger Deep so deep?	Earth Planet. Sci. Lett.,	211,	259-269.
06-3128	Kawabe, M., Fujio, S., Yanagimoto, D.,	2003,	Deep-water circulation at low latitudes in the western North Pacific.	Deep-Sea Research I,	50,	631-656.
06-3133	Tsukamoto, K., Otake, T., Mochioka, N., Lee, T.-W., Fricke, H., Inagaki, T., Aoyama, J., Ishikawa, S., Kimura, S., Miller, M.J., Hasumoto, H., Oya, M., Suzuki, Y.,	2003,	Seamounts, new moon and eel spawning: The search for the spawning site of the Japanese eel.	Environmental Biology of Fishes,	66,	221-229.
06-3134	Tsukamoto, K., Lee, T.-W., Fricke, H.,	2003,	9. Spawning area of the Japanese eel.	In Eel biology, K. Aida, Tsukamoto, K., Yamauchi, K., (Eds)	Springer-Verlag Tokyo	121-140.
06-3148	Somoza, L., Diaz-del-Rio, V., Leon, R., Ivanov, M., Fernandez-Puga, M.C., Gardner, J.M., Hernandez-Molina, F.J., Pinheiro, L.M., Rodero, J., Lobato, A., Maestro, A., Vazquez, J.T., Medialdea, T., Fernandez-Salas, L.M.,	2003,	Seabed morphology and hydrocarbon seepage in the Gulf of Cadiz mud volcano area: Acoustic imagery, multibeam and ultra-high resolution seismic data.	Mar. Geol.,	195,	153-176.
06-3159	van Keken, P.E.,	2003,	The structure and dynamics of the mantle wedge.	Earth Planet. Sci. Lett.,	215,	323-338.
06-3160	Hyndman, R.D., Peacock, S.M.,	2003,	Serpentinization of the forearc mantle.	Earth Planet. Sci. Lett.,	212,	417-432.
07-012	前川寛和	2003,	プレート沈み込み帯における蛇紋岩化作用。	月刊地球 号外	43,	67-74.
07-013	藤岡換太郎	2003,	伊豆・小笠原、マリアナ前弧の蛇紋岩海山—潜水調査船による観察結果のまとめ—	月刊地球 号外	43,	75-89.
07-014	Hattori, K.H., Guillot, S.,	2003,	Volcanic fronts form as a consequence of serpentinite dehydration in the forearc mantle wedge.	Geology,	31,	525-528.
07-025	YK03-XX	2003,	Cruise report			
07-027	中嶋健,	2003,	タービダイトから推定される日本海東縁佐渡島北方海域の地震発生ポテンシャル(序報)。	歴史地震,	19,	176-179.
07-054	Jellinek, A.M., DePaolo, D.J.,	2003,	A model for the origin of large silicic magma chambers: precursors of caldera-forming eruptions.	Bull. Volcanol.,	65,	363-381.
07-062	小山真人,	2003,	現代社会は破局災害とどう向き合えばよいか。	月刊地球,	25,	821-824.
07-063	荒巻重雄,	2003,	カルデラ噴火の地学的意義。	月刊地球,	25,	825-826.
07-064	宇井忠英,	2003,	南九州の大規模火砕流の多様性。	月刊地球,	25,	827-830.
07-065	成尾英仁,	2003,	縄文の灰神楽—鬼界アカホヤ噴火で何が起ったか。	月刊地球,	25,	831-833.
07-066	井村隆介,	2003,	霧島火山の噴火史とハザードマップ。	月刊地球,	25,	834-839.
07-067	鎌山恒臣,	2003,	火山観測から見た霧島火山群と加久藤カルデラ。	月刊地球,	25,	840-843.
07-068	井上公夫,	2003,	大規模火砕流の後に何が起きるか—ピナツボ火山の事例から—	月刊地球,	25,	844-848.
07-069	千葉達郎,	2003,	スプリンターカリブはモルタル化した火砕流上を走るか。	月刊地球,	25,	849-852.
07-070	早川由紀夫,	2003,	現代都市を脅かすカルデラ破局噴火のリスク評価。	月刊地球,	25,	853-856.
07-071	高橋正樹,	2003,	大規模カルデラ噴火のリスクと予測可能性。	月刊地球,	25,	857-860.
07-072	渋谷和久,	2003,	低頻度大規模災害に国はどうか対応するか。	月刊地球,	25,	861-863.
07-073	山里平,	2003,	大規模カルデラ噴火に対して気象庁はどうか対応するか。	月刊地球,	25,	864-866.
07-074	杉浦信男,	2003,	国土交通省はどうか対応するか—土砂災害に対して—	月刊地球,	25,	867-869.
07-075	吉川肇子,	2003,	低頻度大規模災害リスクをどう伝えるか。	月刊地球,	25,	870-872.
07-076	中川和之,	2003,	一万年をイメージできる感性を地域に養えるか—「宮崎を作った火山の話」から地域メディアの役割を考える—	月刊地球,	25,	873-876.
07-077	林信太郎,	2003,	学校における破局噴火教育の可能性。	月刊地球,	25,	877-880.
07-078	岡田弘,	2003,	カルデラ生成をもたらす巨大火砕流の想定と科学者たち。	月刊地球,	25,	881-883.
07-079	鎌田浩毅,	2003,	科学文学と啓発書は火山防災の役に立つ。	月刊地球,	25,	884-887.
07-080	伊藤和明,	2003,	過去は未来への鍵	月刊地球,	25,	888-889.
07-081	黒岩耀,	2003,	特集号に寄せて	月刊地球,	25,	890-
07-086	Binns, R.A.,	2003,	Deep marine pumice from the Woodlark and Manus Basins, Papua New Guinea.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	329-343.
07-087	Allen, S.R., Stewart, A.L.,	2003,	Products of explosive subaqueous felsic eruptions based on examples from the Hellenic Island Arc, Greece.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	285-298.
07-088	Yuasa, M., Kano, K.,	2003,	Submarine silicic calderas on the Northern Shichito-Iwojima Ridge, Izu-Ogasawara (Bonin) arc, Western Pacific.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	231-243.
07-089	Kano, K.,	2003,	Subaqueous pumice eruptions and their products: a review.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	213-229.

07-090	Clague, D.A., Davis, A.S.,	2003,	Submarine strombolian eruptions on the Gorda Mid-Ocean Ridge.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	111-128.
07-091	Houghton, B.F., Hobden, B.J., Cashman, K.V., Wilson, C.J.N., Smith, R.T.,	2003,	Large-scale interaction of lake water and rhyolitic magma during the 1.8 ka Taupo eruption, New Zealand.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	97-109.
07-092	Zimanowski, B., Buttner, R.,	2003,	Phreatomagmatic explosions in subaqueous volcanism.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	51-60.
07-093	White, J.D.L., Smellie, J.L., Clague, D.A.,	2003,	Introduction: a deductive outline and topical overview of subaqueous explosive volcanism.	In White, J.D.L., Smellie, J.L., Clague, D.A., Explosive Subaqueous Volcanism,	Amer. Geophys. Union, Geophysical Monograph	1-22.
07-212	Kano, K.,	2003,	Subaqueous pumice eruptions and their products: a review.	AGU Monograph,	140,	213-229.
07-213	気象庁	2003,	火山噴火予知連絡会による活火山の選定および火山活動度による分類(ランク分け)について.	報道発表資料,		7 p
07-249	Kopf, A.J.,	2003,	Global methane emission through mud volcanoes and its past and present impact on the Earth's climate.	Int. J. Earth Sci.,	92,	806-816.
08-034	Davis, M.G., Garcia, M.O., Wallace, P.,	2003,	Volatiles in glasses from Mauna Loa Volcano, Hawaii: implications for magma degassing and contamination, and growth of Hawaiian volcanoes.	Contrib. Mineral. Petrol.,	144,	570-591.
08-035	Dasgupta, P.,	2003,	Sediment gravity flow-- the conceptual problems.	Earth Sci. Rev.,	62,	265-281.
09-001	Wright, I.C., Gamble, J.A., Shane, P.A.R.,	2003,	Submarine silicic volcanism of the Healy caldera, southern Kermadec arc (SW Pacific): I - volcanology and eruption mechanisms.	Bull Volcanol.,	65,	15-29.
09-002	de Ronde, C.E.J., Faure, K., Bray, C.J., Chappel, D.A., Wright, I.C.,	2003,	Hydrothermal fluids associated with seafloor mineralization at two southern Kermadec arc volcanoes, offshore New Zealand.	Mineralium Deposita,	38,	217-233.
09-030	Allen, S.R., McPhie, J.,	2003,	Phenocrysts fragments in rhyolitic lavas and lava domes.	J. Volcanol. Geotherm.	126,	263-283.
09-045	Rinaldi, M., Venuti, M.C.,	2003,	The submarine eruption of the Bombarda volcano, Milos Island, Cyclades, Greece.	Bull volcanol.,	65,	282-293.
09-055	Kubo, A., Fukuyama, E.,	2003,	Stress field along the Ryukyu arc and the Okinawa trough inferred from moment tensors of shallow earthquakes.	Earth Planet Sci., Lett.,	210,	305-316.
09-058	Nakamura, M., Yoshida, Y., Zhao, D., Katao, H., Nishimura, S.,	2003,	Three-dimensional P- and S- wave velocity structures beneath the Ryukyu arc.	Tectonophysics,	369,	121-143.
09-061	Nakamura, M., Yoshida, Y., Zhao, D., Katao, H., Nishimura, S.,	2003,	Three-dimensional P- and S- wave velocity structures beneath the Ryukyu arc.	Tectonophysics,	369,	121-143.
09-101	Glasby, G.P., Notsu, K.,	2003,	Submarine hydrothermal mineralization in the Okinawa Trough, SW of Japan: an overview.	Ore Geol. Rev.,	23,	299-339.
09-101	Glasby, G.P., Notsu, K.,	2003,	Submarine hydrothermal mineralization in the Okinawa Trough, SW of Japan: an overview.	Ore Geol. Rev.,	23,	299-339.
09-104	Sugihara, K., Nakamori, T., Iryu, Y., Sasaki, K., blanchon, P.,	2003,	Holocene sea-level change and tectonic uplift deduced from raised reef terraces, Kikai-jima, Ryukyu Islands, Japan.	Sedimentary Geol.,	159,	5-25.
09-104	Sugihara, K., Nakamori, T., Iryu, Y., Sasaki, K., blanchon, P.,	2003,	Holocene sea-level change and tectonic uplift deduced from raised reef terraces, Kikai-jima, Ryukyu Islands, Japan.	Sedimentary Geol.,	159,	5-25.
10-020	Kato, K., Wada, H., Fujioka, K.,	2003,	The application of chemical staining to separate calcite and aragonite minerals for micro-scale isotopic analyses.	Geochemical Journal,	37,	291-297.
10-021	Tenthorey, E., Cox, S.F.,	2003,	Reaction-enhanced permeability during serpentinite dehydration.	Geology,	31,	921-924.
10-035	Mottl, M.J., Komor, S.C., Fryer, P., Moyer, C.L.,	2003,	Deep-slab fluids fuel extremophilic Archaea on a Mariana forearc serpentinite mud volcano: Ocean drilling program Leg 195.	Geochem. Geophys. Geosyst.,	4,	9009,doi:10.1029/2003GC000
10-070	Stern, R.J., Fouch, M.J., Klemperer, S.L.,	2003,	An Overview of the Izu-Bonin-Mariana Subduction Factory	J. Eiler and M. Hirschmann (eds.) Inside the Subduction Factory, Geophysical Monograph	138,	175-222.
10-089	石井輝秋	2003,	海洋底物質科学研究におけるドレッジの重要性	月刊地球 号外	43,	54-58
10-099	木下正高 他	2003,	水曜火山カルデラの熱水活動観測—NT01-08航海およびNT02-09航海序報—	JAMSTEC J. Deepo Sea	22,	77-87.
10-107	Yamaji, A.,	2003,	Slab rollback suggested by latest Miocene to Pliocene forearc stress and migration of volcanic front in southern Kyushu, northern Ryukyu arc.	Tectonophysics,	364,	9-24.
10-117	Hoang, N., Uto, K.,	2003,	Geochemistry of Cenozoic basalts in the Fukuoka district (northern Kyushu, Japan): implications for asthenosphere and lithospheric mantle interaction.	Chemical Geology,	198,	249-268.
10-179	Planke, S., Svensen, H., Hovland, M., Banks, D.A., Jamtveit, B.,	2003,	Mud and fluid migration in active mud volcanoes in Azerbaijan.	Geo-Marine Letters,	23,	258-268.
10-250	Lionel Wilson James W. Head	2003,	Lunar Gruithuisen and Mairan domes: Rheology and mode of emplacement	Journal of Geophysical Research,	108,	6_1-6_7
10-251	Philip Watts1, Stephan T. Grilli2	2003,	Underwater Landslide Shape, Motion, Deformation, and Tsunami Generation	Proceedings of The Thirteenth (2003) International Offshore and Polar Engineering Conference	Honolulu, Hawaii, USA, May 25-30, 2003	364-371.
10-267	橋本学, 鷲谷威,	2003,	日本列島の地殻変動と地震・火山・テクトニクス.	月刊地球,	25,	3-13.
10-292	Michael G. Davis & Michael O. Garcia & Paul Wallace	2003,	Volatiles in glasses from Mauna Loa Volcano, Hawaii: implications for magma degassing and contamination, and growth of Hawaiian volcanoes	Contrib Mineral Petrol	144,	570-591.
10-295	Larryn W. Diamond	2003,	GLOSSARY: TERMS AND SYMBOLS USED IN FLUID INCLUSION STUDIES	In: Fluid Inclusions: Analysis and Interpretation (I. Samson, A. Anderson, D. Marshall, Eds.) Mineralogical Association of Canada Short Course Series Volume 32	32,	363-372.

10-297	François Enet 1, Stéphan T. Grilli 1 and Philip Watts	2003,	Laboratory Experiments for Tsunamis Generated by Underwater Landslides: Comparison with Numerical modeling.	Proceedings of The Thirteenth (2003) International Offshore and Polar Engineering Conference		372-379.
10-298	François Faure 1, Gilles Trolliard 1, Christian Nicollet 1, Jean-Marc Montel	2003,	A developmental model of olivine morphology as a function of the cooling rate and the degree of undercooling	Contrib Mineral Petrol	145,	251-263.
10-330	Ian C. Wright 1, John A. Gamble 1, Phil A. R. Shane	2003,	Submarine silicic volcanism of the Healy caldera, southern Kermadec arc (SW Pacific): I – volcanology and eruption mechanisms	Bull volcanol,	65,	15-29.
10-334	A. Mark Jellinek 1, Donald J. DePaolo	2003,	A model for the origin of large silicic magma chambers: precursors of caldera-forming eruptions	Bull volcanol,	65,	363-381.
10-345	Atsuki Kubo 1, Eiichi Fukuyama	2003,	Stress field along the Ryukyu Arc and the Okinawa Trough inferred from moment tensors of shallow earthquakes.	Earth and Planetary Science Letters	210,	305-316.
10-364	Bramley J. Murton 1, Juliet Biggs 1	2003,	Numerical modelling of mud volcanoes and their flows using constraints from the Gulf of Cadiz.	Marine geology,	195,	223-236.
10-365	Bramley J. Murton 1, Juliet Biggs 1	2003,	Numerical modelling of mud volcanoes and their flows using constraints from the Gulf of Cadiz.	Marine geology,		pre print
10-366	T. S. MURTY	2003,	Tsunami Wave Height Dependence on Landslide Volume	Pure appl. geophys.	160,	2147-
10-382	G.P. Glasby, K. Notsu,	2003,	Submarine hydrothermal mineralization in the Okinawa Trough SW of Japan: an overview.	Ore Geology Reviews,	23,	299-339.
10-398	Christina Heliker, Donald A. Swanson, and Taeko Jane Takahashi	2003,	The Pu'u 'Ō'ō-Kūpaianaha Eruption of Kilauea Volcano, Hawai'i: The First 20 Years.	USGS Professional Paper	1676	
10-399	Christina Heliker and Tari N. Mattox	2003,	The First Two Decades of the Pu'u 'Ō'ō-Kūpaianaha Eruption: Chronology and Selected Bibliography	USGS Professional Paper	1676	1-28.
10-400	Christina Heliker, Jim Kauahikaua, David R. Sherrod, Michael Lisowski, and Peter F. Cervelli	2003,	The Rise and Fall of Pu'u 'Ō'ō Cone, 1983-2002	USGS Professional Paper	1676	29-52.
10-401	Stephen R. Barker, David R. Sherrod, Michael Lisowski, Christina Heliker, and Jennifer S. Nakata	2003,	Correlation Between Lava-Pond Drainback, Seismicity, and Ground Deformation at Pu'u 'Ō'ō	USGS Professional Paper	1676	53-62.
10-402	Jim Kauahikaua, David R. Sherrod, Katharine V. Cashman, Christina Heliker, Ken Hon, Tari N. Mattox, and Jenda A. Johnson	2003,	Hawaiian Lava-Flow Dynamics During the Pu'u 'Ō'ō- Kūpaianaha Eruption: A Tale of Two Decades	USGS Professional Paper	1676	63-88.
10-403	Ken Hon, Cheryl Gansecki and Jim Kauahikaua,	2003,	The Transition from 'A'a to Pāhoehoe Crust on Flows Emplaced During the Pu'u 'Ō'ō-Kūpaianaha Eruption.	USGS Professional Paper	1676	89-104.
10-404	Rosalind Tuthill Helz, Christina Heliker, Ken Hon, and Margaret Mangan	2003,	Thermal Efficiency of Lava Tubes in the Pu'u 'Ō'ō-Kūpaianaha Eruption	USGS Professional Paper	1676	105-120.
10-405	Carl R. Thornber,	2003,	Magma-Reservoir Processes Revealed by Geochemistry of the Pu'u 'Ō'ō-Kūpaianaha Eruption.	USGS Professional Paper	1676	121-136.
10-406	A. Jeff Sutton, Tamar Elias, and Jim Kauahikaua	2003,	Lava-Effusion Rates for the Pu'u 'Ō'ō-Kūpaianaha Eruption Derived from SO <sub>2</sub> Emissions and Very Low Frequency (VLF) Measurements.	USGS Professional Paper	1676	137-148.
10-407	Peter F. Cervelli and Asta Miklius.	2003,	The Shallow Magmatic System of Kilauea Volcano.	USGS Professional Paper	1676	149-164.
10-408	Jim Kauahikaua and Asta Miklius,	2003,	Long-Term Trends in Microgravity at Kilauea's Summit During the Pu'u 'Ō'ō-Kūpaianaha Eruption.	USGS Professional Paper	1676	165-172.
10-409	Paul Okubo and Jennifer S. Nakata,	2003,	Tectonic Pulses During Kilauea's Current Long-Term Eruption.	USGS Professional Paper	1676	173-186.
10-410	James H. Dieterich, Valérie Cayol, and Paul Okubo	2003,	Stress Changes Before and During the Pu'u 'Ō'ō-Kūpaianaha Eruption.	USGS Professional Paper	1676	187-202.
10-411	Steven R. Brantley,	2003,	Volunteers at the Hawaiian Volcano Observatory, 1983-2002.	USGS Professional Paper	1676	203-206.
10-412	Christina Heliker, Donald A. Swanson, and Taeko Jane Takahashi	2003,	The Pu'u 'Ō'ō-Kūpaianaha Eruption of Kilauea Volcano, Hawai'i: The First 20 Years.	USGS Professional Paper	1676	cover.
10-427	G. Shanmugam	2003,	Deep-marine tidal bottom currents and their reworked sands in modern and ancient submarine canyons.	Marine and Petroleum Geology,	20,	471-491.
10-453	Nguyen Hoang*, Kozo Uto	2003,	Geochemistry of Cenozoic basalts in the Fukuoka district (northern Kyushu, Japan): implications for asthenosphere and lithospheric mantle interaction.	Chemical Geology,	198,	249-268.
10-466	Atsushi Yamaji,	2003,	Slab rollback suggested by latest Miocene to Pliocene forearc stress and migration of volcanic front in southern Kyushu, northern Ryukyu Arc.	Tectonophysics,	364,	9-24.
10-469	気象庁	2003,	火山噴火予知連絡会による活火山の選定及び火山活動度による分類(ランク分け)について	報道発表資料,		Http pdf
10-470	Thomas Zack 1, Paul B. Tomascak, Roberta L. Rudnick, Claude Dalpe, William F. McDonough,	2003,	Extremely light Li in orogenic eclogites: The role of isotope fractionation during dehydration in subducted oceanic crust.	Earth and Planetary Science Letters,	208,	279-290.
10-538	Robert J. Stern, Matthew J. Fouch, Simon L. Klemperer,	2003,	An Overview of the Izu-Bonin-Mariana Subduction Factory	Inside the Subduction Factory Geophysical Monograph	138,	175-222.
12-025	Erwan Bourdon a, Jean-Philippe Eissen a, Marc-Andre Gutscher b, Michel Monzier c, Minard L. Hall d, Joseph Cotton	2003,	Magmatic response to early aseismic ridge subduction: the Ecuadorian margin case (South America)	Earth and Planet science Letters,	205,	123-138.
12-063	Nguyen Hoang*, Kozo Uto	2003,	Geochemistry of Cenozoic basalts in the Fukuoka district (northern Kyushu, Japan): implications for asthenosphere and lithospheric mantle interaction.	Chemical geology,	198,	249-268.
12-302	Francois Enet, Stephan T. Gilli and Philip Watts,	2003,	Laboratory experiments for tsunamis generated by underwater landslides: comparison with numerical modeling.	Proceedings of the thirteenth international offshore and polar engineering conference Honolulu, Hawaii, USA,		
12-309	Julia K. Morgan, Gregory F. Moore, David A. Clague,	2003,	Slope failure and volcanic spreading along the submarine south flank of Kilauea volcano, Hawaii.	JOURNAL OF GEOPHYSICAL RESEARCH	108,	EP1-23

(Marine volcanology, Kumamoto Univ.)

12-310	Julia K. Morgan, David A. Clague,	2003,	Volcanic spreading on Mauna Loa volcano, Hawaii: Evidence from accretion, alteration, and exhumation of volcanoclastic sediments.	Geology,	31,	411-414.
12-317	Philip Watt/, Stephan T. Grilli,	2003,	Underwater Landslide Shape, Motion, Deformation, and Tsunami Generation	Proceedings of The Thirteenth (2003) International Offshore and Polar Engineering Conference Honolulu, Hawaii~ USA, May 25-30, 2003		
12-445	Thierry Mulder***, James P.M. Syvitskib, Sebastien Migeonc, Jean-Claude Faugeres , Bruno Savoye,	2003,	Marine hyperpycnal flows: initiation, behavior and related deposits. A review.	Marine and Petroleum Geology,	20,	861-882.
12-472	L. Droz, T. Marsset, H. Ondreas, M. Lopez, B. Savoye, and F.-L. Spy-Anderson,	2003,	Architecture of an active mud-rich turbidite system: The Zaire Fan (Congo-Angola margin southeast Atlantic): Results from Zai-Ango 1 and 2 cruises.	MPG BULLETIN	87,	1145-1168.
12-488	NGUYEN HOANG AND KOZO UTO	2003,	Mantle isotopic heterogeneity beneath northern Kyushu, SW Japan.	Goldschmit Conference Abstracts,		A152.
12-524	Patricio F. Mendez* and Fernando Ordóñez	2003,	Scaling laws from statistical data and dimensional analysis.			
12-527	T. S. MURTY1	2003,	Tsunami wave height dependence on landslide volume.	Pure appl. Geophys.,	160,	2147-2150
12-537	A. Mark Jellinek · Donald J. DePaolo	2003,	A model for the origin of large silicic magma chambers: precursors of caldera-forming eruptions.	Bull Volcanol,	65,	363-381.
12-578	Anthony C. Harris,* Vadim S. Kamenetsky, Noel C. White Esme van Achterbergh,2 Chris G. Ryan2,	2003,	Melts inclusions in Veins: Linking magmas and porphyry Cu deposits.	Science,	302,	2109-2111.
12-579	John A. Tarduno,* Robert A. Duncan,2 David W. Scholl Rory D. Cottrell, 1 Bernhard Steinberger, Thorvaldur Thordarson,5 Bryan C. Kerr,3 Clive R. Neal,6 Fred A. Frey,7 Masayuki Torii,8 Claire Carvallo9,	2003,	The Emperor seamounts: southward motion of the Hawaiian hotspot plume in Earth's mantle.	Science,	301,	1064-1068.
12-586	ANIEL BACHTOLD	2003,	news: Seeing Volcanoes in a New Light	Science,	299,	2026-2027
12-587	Domenico Patane,1* Pasquale De Gori,2 Claudio Chlarabba, Alessandro Bonaccorso,	2003,	Magma ascent and the pressurization of Mount Etna's volcanic system.	Science,	299,	2061-2063.
12-588	Phil Szuromi	2003,	This week in Science: Deep Fault Beneath Kilauea.	Science,	300,	389.
12-589	Gilbert Chin	2003,	Editor's choice: An Old Salt's Tale	Science,	300,	552
12-591	jean S. Cline	2003,	How to concentrate copper.	Science,	302,	2075-2078
12-592	Stella Hurlley and Phil Szuromi	2003,	This weekly in Science: copper melts	Science,	302,	2029-
12-593	Donald J. DePaolo and Michael Manga	2003,	Deep origin of hotspots-the mantle plume model.	Science,	300,	920-921.
12-594	Gilbert Chin	2003,	Editor's choice: climate, Means of production.	Science,		
12-595	G, R, Foulger and J. H. Natland	2003,	Is "Hotspot" volcanism a consequence of plate tectonics?	Science,	300,	921-922.
12-633	Takashi Oguchia,* , Tatsuto Aokib, Nobuhisa Matsutac	2003,	Identification of an active fault in the Japanese Alps from DEM-based hill shading.	Computers & Geosciences	29,	885-891.
12-648	John Stix* Ben Kennedy Mark Hannington Harold Gibson Richard Fiske Wulf Mueller James Franklin	2003,	Caldera-forming processes and the origin of submarine volcanogenic massive sulfide deposits.	Geology,	31,	375-378.
12-b021	Anthony C. Harris,* Vadim S. Kamenetsky, 1 Noel C. White, 1 Esme van Achterbergh,2 Chris G. Ryan2	2003,	Melt inclusions in Veins: Linking magmas and porphyry Cu deposits.	Science,	302,	2109-2111.
12-b036	古川邦之*・苦藤武士・鎌田浩毅ホ・祖原徹同・床喜大介ト同・石原和弘i**	2003,	沖小島ボーリンク手コア試料の岩相記載とFT年代 ——始良カルデラ南縁における先カルデラ活動史	火山第2集	48,	491-497.
13-054	John Stix, Ben Kennedy, Mark Hannington, Harold Gibson, Richard Fiske, Wulf Mueller and James Franklin,	2003,	Caldera-forming processes and the origin of submarine volcanogenic massive sulfid deposits.	Geology,	31,	375-378.
13-065	M.I. Kuz'min, A.I. Al'mukhamedov, V.V. Yarmolyuk*, and V.A. Kravchinsky	2003,	Rift and within-plate magmatism in the context of hot and cold mantle fields.	Russian Geology and Geophysics,	44,	0
13-071	Haibo Zoua,* , Mary R. Reida, Yongshun Liub, Yupeng Yaoc,Xisheng Xud, Qicheng Fan	2003,	Constraints on the origin of historic potassic basalts from northeast China by U-Th disequilibrium data.	Chemical Geology,	200,	189-201.
15-034	Shih-Chieh Hsua,* , Fei-Jan Linb, Woei-Lih Jeng Yuchia Chungc, Li-Min Shaw	2003,	Hydrothermal signatures in the southern Okinawa Trough detected by the sequential extraction of settling particles	Marine Chemistry,	84,	49-66.
15-087	Andrew G. Tomkins and John A. Mavrogenes	2003,	Generation of metal-rich felsic magmas during crustal anatexis	Geology,	31,	765-768.
15-166	北高穂* 岡村健* 橋本健太郎* 栗原則男*	2003,	5. 中深海域におけるスワス測深技術の紹介	財団法人: 日本測量調査技術協会	85,	55-62.
02-0069	Gardner, J.E., Layer, P.W., and Rutherford, M.J.,	2002,	Phenocrysts versus xenocrysts in the youngest Toba Tuff: implications for the petrogenesis of 2800 km3 of magma.	Geology,	30,	347-350.
02-0070	Mitchell, N.C., Masson, D.G., Watts, A.B., Gee, M. J.R., and Urgeles, R.,	2002,	The morphology of the submarine flanks of volcanic ocean islands.	J.Volcon. Geotherm. Res.,	115,	83-107.
02-0071	Clague, D.A., and Moore, J.G.,	2002,	The proximal part of the giant submarine Waialua landslide, Molokai, Hawaii.	J.Volcon. Geotherm. Res.,	113,	259-287.
02-0072	Leslie, S.C., Moore, G.F., Morgan, J.K., and Hills, D.J.,	2002,	Seismic stratigraphy of the Frontal Hawaiian Moat: implications for sedimentary processes at the leading edge of an oceanic hotspot trace.	Marine geol.,	184,	1423-162.

02-0132	Maaloe, S.,	2002,	Physical behavior of the plume source during intermittent eruptions of Hawaiian basalts.	Contrib. Mineral. Petrol.,	142,	653-665.
02-0137	Moore, J.G., and Clague, D.A.,	2002,	Mapping the Nuanu and Wailau Landslides in Hawaii.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	223-244.
02-0145	Lipman, P.W., Sisson, T.W., Ui, T., Naka, J., and Smith, J.R.,	2002,	Ancestral submarine growth of Kilauea volcano and instability of its South Flank.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	161-191.
02-0153	Hills, D.J., Morgan, J.K., Moore, G.F., and Leslie, S.C.,	2002,	Structural variability along the submarine south flank of Kilauea volcano, Hawaii, from a multichannel seismic reflection survey.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	105-124.
02-0163	Naka, J., Kanamatsu, T., Lipman, P.W., Sisson, T.W., Tsuboyama, N., Morgan, J. K., Smith, J.R., and Ui, T.,	2002,	Deep-sea volcanoclastic sedimentation around the southern flank of Hawaii	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	31-50.
03-0005	Smith, J.R., Satake, K., and Suyehiro, K	2002,	Deepwater multibeam sonar surveys along the southeastern Hawaiian Ridge: Guide to the CD-ROM.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	3-9.
03-0006	Smith, J.R., Satake, K., Morgan, J.K., and Lipman, P.W.,	2002,	Submarine landslides and volcanic features on Kohala and Mauna Kea volcanoes and the Hana ridge, Hawaii.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	11-28.
03-0007	Clague, D. A., Uto, K., Satake, K., and Davis, A.S.,	2002,	Eruption style and flow emplacement in the submarine NorthArch volcanic field, Hawaii.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	65-84.
03-0008	Hills, D.J., Morgan, J.K., Moore, G.F., and Leslie, S.C.,	2002,	Structural variability along the submarine south Flank of Kilauea volcano, Hawaii, from a multichannel seismic reflection survey.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	105-124.
03-0009	Smith, D.K., Kong, L.S.L., Johnson, K.T.M., and Reynolds, J.R.,	2002,	Volcanic morphology of the submarine Puna ridge, Kilauea volcano.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	125-142.
03-0010	Lipman, P.W., Sisson, T.W., Ui, T., Naka, J., and Smith, J. R.,	2002,	Ancestral submarine growth of Kilauea volcano and instability of its south flank.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	161-191.
03-0011	Yokose, H.,	2002,	Landslides on the windward flanks of Oahu and Molokai, Hawaii: Shinkai 6500 submersible investigations	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	245-261.
03-0012	Satake, K., Smith, J.R., and Shinozaki, K.,	2002,	Three-dimensional reconstruction and tsunami model of the Nuanu and Wailau giant landslides, Hawaii.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	333-346.
03-0031	Ward, S.N.,	2002,	Slip-sliding away.	Nat.,	415,	973-974.
03-0037	Cervelli, P., Segall, P., Johnson, K., Lisowski, M., and Miklius, A.,	2002,	Sudden aseismic fault slip on the south flank of Kilauea volcano.	Nat.,	415,	1014-1018.
03-0040	Herrero-Bervera, E., Canon-Tapia, E., Walker, G.P.L. and Guerrero-Garcia, J.C.,	2002,	The Nuanu and Wailau giant landslides: insights from paleomagnetic and anisotropy of magnetic susceptibility (AMS) studies.	Phys. Earth Planet. Inter.	129,	83-98.
03-0041	Lee, H.J., Syvitski, J.P.M., Parker, G., Orange, D., Locat, J., Hutton, W.H., and Imran, J.,	2002,	Distinguishing sediment waves from slope failure deposits: field examples, including the 'Humboldt slide', and modelling results.	Marine geol.,	192,	79-104.
03-0042	Zhu, W., Smith, D.K. and Montesi, L.G.J.,	2002,	Effects of regional slope on viscous flows: a preliminary study of lava terrace emplacement at submarine volcanic rift zones.	J. Volcanol. Geotherm. Res.,	119,	145-159.
03-0076	Karatson, D., Sztano, O., and Telbisz, T.,	2002,	Preferred clast orientation in volcanoclastic mass-flow deposits: application of a new photo-statistical method.	J. Sediment. Res.,	72,	823-835.
03-0077	Turner, B.R., and Makhlof, I.,	2002,	Recent colluvial sedimentation in Jordan: fans evolving into sand ramps.	Sedimentology,	49,	1283-1288.
03-0085	Keszthelyi, L.,	2002,	Classification of the mafic lava flows from ODP Leg 183.	In Frey, F.A., Coffin, M.F., Wallace, P.J., and Quilty, P.G., (Eds.), Proc. ODP, Sci. Results,	183,	1-28.
03-0134	Parfitt, E.A., Gregg, T.K.p., and Smith, D.K.,	2002,	A comparison between subaerial and submarine eruptions at Kilauea Volcano, Hawaii: implications for the thermal viability of lateral feeder dikes.	J. Volcanol. Geotherm. Res.,	113,	213-242.
03-0143	Zhu, W., Smith, D.K. and Montesi, L.G.J.,	2002,	Effects of regional slope on viscous flows: a preliminary study of lava terrace emplacement at submarine volcanic rift zone.	J. Volcanol. Geotherm. Res.,	119,	145-159.
03-0146	Mitchell, N.C., Masson, D.G., Watta, A.B., Gee, M.J.R., and Urgeles, R.,	2002,	The morphology of the submarine flanks of volcanic ocean islands : A comparative study of the Canary and Hawaiian hotspot islands.	J. Volcanol. Geotherm. Res.,	115,	83-107.
03-0148	Pinkerton, H., James, M., and Jones, A.,	2002,	Surface temperature measurements of active lava flows on Kilauea volcano, Hawaii.	J. Volcanol. Geotherm. Res.,	113,	159-176.
03-0158	Siebert, L.,	2002,	Landslides resulting from structural failure of volcanoes	in Evans, S.G., and DeGraft, J.V., eds., Catastrophic landslides: effects, occurrence, and mechanisms: Boulder, Colorado, Geol. Soc. Amer. Rev. Engineer. Geol.,	XV,	209-235.
03-0159	Masson, D.G., Watts, A.B., Gee, M.J.R., Urgeles, R., Mitchell, N.C., Le Bas, T.P., and Canals, M.,	2002,	Slope failures on the flanks of the western Canary Islands.	Earth Scienth Reviews,	57,	1-35.
04-017	Keating, B.H., and Helsley, C.E.,	2002,	The ancient sorelines of Lanai, Hawaii, revisited.	Sedimentary geol.,	150,	3-15.
04-023	Stoner, J.S., Laj, C., and Kissel, C. C.,	2002,	South Atlantic and North Atlantic geomagnetic paleointensity stacks (0-80 ka): implications for inter-hemispheric correlation.	Quat. Sci. Rev.,	21,	1141-1151.

(Marine volcanology, Kumamoto Univ.)

04-044	Calhoun, R.S., Fletcher, C.H., and Harney, J.N.,	2002,	A budget of marine and terrigenous sediments, Hanalei Bay, Kauai, Hawaiian Islands.	Sedimentary geol.,	150,	61-87.
04-057	Watlington, R.A., Wilson, W.D., John, W.E., and Nelson, C.,	2002,	Updated bathymetric survey of Kick'em Jenny submarine volcano.	Marine geophysical Res.,	23,	271-276.
04-066	Brachfeld, S.A., Banerjee, S.K., Guyodo, Y., and Acton, G.D.,	2002,	A 13200 year history of century to millennial-scale paleoenvironmental change magnetically recorded in the Palmer Deep, western Antaectic Peninsula.	Earth Planet. Sci. Lett.,	194,	311-326.
05-025	De Rita, D., Giordano, G., Esposito, A., Fabbri, M., and Rodani, S.,	2002,	Large volume phreatomagmatic ignimbrites from the Colli Albani volcano (middle Pleistocene, Italy)	J. Volcanol. Geotherm. Res.,	118,	77-98.
05-030	Veksler, I.V., Thomas, R., and Schmidt, C.,	2002,	Experimental evidence of three coexisting immiscible fluids in synthetic granitic pegmatite.	Amer. Min.,	87,	775-779.
05-048	Kent, A.J.R., Peate, D.W., Newman, S., Stolper, E.M., and Pearce, J.A.,	2002,	Chlorine in submarine glasses from the Lau Basin: seawater contamination and constraints on the composition of slab-derived fluids.	Earth Planet. Sci. Lett.,	202,	361-377.
05-066	Brown, J.H., Gupta, V.K., Li, B.-L., Milne, B.T., Restrepo, C., and West, G. B.,	2002,	The fractal nature of nature: power laws, ecological complexity and biodiversity.	Phil. Trans. R. Soc. Lond. B,	357,	619-626.
06-167	Lirezaei, S., Cameron, E.M.,	2002,	Mass balance during gabbro-amphibolite transition, Bamble Sector, Norway: implications for petrogenesis and tectonic setting of the gabbro.	Lithos,	60,	21-45.
06-3020	Waltham, A.C., Park, H.D.,	2002,	Roads over lava tubes in Cheju Island, South Korea.	Engineering Geol.,	66,	53-64.
06-3027	Sohn, Y.K., Park, J.B., Khim, B.K., Park, K.H., Koh, G.W.,	2002,	Stratigraphy, petrochemistry and Quaternary depositional record of the Songaksan tuff ring, Jeju Island, Korea.	J. Volcanol. Geotherm. Res.	119,	1-20.
06-3028	Choi, S.H., Lee, J.I., Park, C.-H., Moutte, J.,	2002,	Geochemistry of peridotite xenoliths in alkali basalts from Jeju Island, Korea.	The Island Arc	11,	221-235.
06-3088	Miller, M.J., Mochioka, N., Otake, T., Tsukamoto, K.,	2002,	Evidence of a spawning area of <i>Anguilla marmorata</i> in the western North Pacific.	Marine Biology,	140,	809-814.
06-3089	Aoyama, J., Sasai, S., Miller, M.J., Shinoda, A., Nakamura, A., Kawazu, K., Tsukamoto, K.,	2002,	A preliminary study of the movements of yellow and silver eels, <i>Anguilla japonica</i> , in the estuary of the Fukui River, Japan, as revealed by acoustic tracking.	Hydrobiologia,	470,	31-36.
06-3120	Dimalanta, C., Taira, A., Yumol Jr., G.P., Tokuyama, H., Mochizuki, K.,	2002,	New rates of western Pacific island arc magmatism from seismic and gravity data.	Earth Planet. Sci. Lett.,	202,	105-115.
06-3132	Hall, R.,	2002,	Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: computer-based reconstructions, model and animations.	J. Asian Sci.,s,	20,	353-431.
06-3152	Kholodov, V.N.,	2002,	Mud volcanoes, their distribution regularities and genesis: communication 1. Mud volcanic provinces and morphology of mud volcanoes.	Lithology and mineral Resources,	37,	197-209.
07-007	Kholodov, V.N.,	2002,	Mud volcanoes, their distribution regularities and genesis: communication 1. Mud volcanic provinces and morphology of mud volcanoes.	Lithology and Mineral Resources,	37,	197-209.
07-008	Fryer, P.,	2002,	Recent studies of serpentine occurrences in the oceans: mantle-ocean interactions in the plate tectonic cycle.	Chem. Erde,	62,	257-302.
07-084	Furuyama, K., Daishi, M., Nagao, K., Eguchi, M.,	2002,	The discovery of young dacite lava in Akusekijima Island, Tokara Islands, Japan.	Bull. Volcanol. Soc. Japan,	47,	751-755.
07-234	海上保安庁,	2002,	沿岸の海の基本図:宝島(海底地質構造図)	海洋情報研究センター	6502-8-S,	CD-ROM
07-238	GSJ, AIST,	2002,	Magnetic anomaly map of east Asia 1:4,000,000 (2nd Edition)	Geol. Surv. Jap., AIST,	DGM P-3	CD-ROM
08-002	Sherman, S.B., Garcia, M.O., Takahashi, E.,	2002,	Major element geochemistry of glasses in turbidites as source indicators: implications for the Nu'uauu and Wailau giant submarine landslide.	In: Hawaiian Volcanoes: deep Underwater Perspectives. Am. Geophys. Union Monogr.	128,	263-277.
08-003	Shanmugan, G.,	2002,	Ten turbidite myths.	Earth Sci. Rev.,	58,	311-341.
08-004	Shanmugan, G.,	2002,	Discussion on Mulder et al.(2001, Geo-Marine Letters 21: 86-93) Inversely graded turbidite sequences in the deep Mediterranean. A record of deposits from flood-generated turbidity currents?	Geo-Mar Lett.,	22,	108-111.
08-023	Shanmugan, G.,	2002,	Ten turbidite myths.	AAPG Annual Meeting		
08-036	Sylvester, Z., Lowe, D.R.,	2002,	Textural trends in deposits of collapsing turbidity currents: sedimentology of turbidites and slurry beds from the Oligocene flysch of the East Carpathians, Romania.	AAPG Annual Meeting Proc.,		1-4.
08-046	Felix, M.,	2002,	Flow structure of turbidity currents.	Sedimentology,	49,	397-419.
09-003	Wright, I.C., Stoffers, P., Hannington, M., de Ronde, C.E.J., Herzig, P., Smith, I.E.M., Browne, P.R.L.,	2002,	Towed-camera investigations of shallow-intermediate water-depth submarine stratovolcanoes of the southern Kermadec arc, New Zealand.	Marine Geol.,	185,	207-218.
09-007	Duzgoren-Aydin, N.S., Aydin, A., Malpas, J.,	2002,	Re-assessment of chemical weathering indices: case study on pyroclastic rocks of Hong Kong.	Engineering Geol.,	63,	99-119.
09-009	Greenough, J.D., Owen, J.V.,	2002,	A petrochemical study of basaltic layering at Henley Harbour, Labrador, using multidimensional scaling.	Atlantic Geol.,	38,	XXX-XXX,
09-013	Yang, S., Lau, K.-M., Kim, K.-M.,	2002,	Variations of the East Asian jet stream and Asian-Pacific-American winter climate anomalies.	J. Climate,	15,	306-325.
09-035	Gifkins, C.C., McPhie, J., Allen, R.L.,	2002,	Pumiceous rhyolitic peperite in ancient submarine volcanic successions.	J. Volcanol. Geotherm.	114,	181-203.
09-037	Hirano, N., Ogawa, Y., Saito, K.,	2002,	Long-lived early Cretaceous seamount volcanism in the Mariana Trench, Western Pacific ocean.	Marine Geol.,	189,	371-379.
09-049	Smith, J.V.,	2002,	Structural analysis of flow-related textures in lavas.	Earth Sci. Rev.,	57,	279-297.
09-087	石原舜三	2002,	鉱化花崗岩特性 (I): 西南日本内帯のモリブデンとタンクステン鉱床生成区.	地質調査研究報告,	53,	657-
09-106	地質調査総合センター(編),	2002,	400万分の1東アジア磁気異常図 CD-ROM版 (第二版).	地質調査所,		
09-106	地質調査総合センター(編),	2002,	400万分の1東アジア磁気異常図 CD-ROM版 (第二版).	地質調査所,		
09-126	Risso, C., Scasso, R.A., Aparicio, A.,	2002,	Presence of large pumice blocks on Tierra del Fuego and South Shetlands shorelines, from 1962 South Sandwich Islands eruption.	Marine Geology,	186,	413-422.
10-025	Medley, E.W.,	2002,	Estimating block size distributions of melanges and similar block-in-matrix rocks(bimrocks).	in proceedings of 5th North American rock mechanics symposium (NARMS)		509-606.

(Marine volcanology, Kumamoto Univ.)

10-051	Bostock, M.G., Hyndman, R.D., Rondenay, S., Peacock, S.M.,	2002,	An inverted continental Moho and serpentinization of the forearc mantle.	Nature,	417,	536-538.
10-145	Machida, H.,	2002,	Volcanoes and Tephra in the Japan area.	Global Environmental Research,	6,	19-28.
10-151	Oppenheimer, C.,	2002,	Limited global change due to the largest known Quaternary eruption, Toba ~74 kyr BP?	Quaternary Science Reviews,	21,	1593-1609.
10-153	Machida, H.,	2002,		Global Environmental Research,	6,	3-17.
10-178	Kopf, A.,	2002,	Significance of mud volcanism.	Reviews of Geophysics,	40,	1-50.
10-191	Lyobomir I. Dimitrov	2002,	Mud volcanoes—the most important pathway for degassing deeply buried sediments	Earth-Science Reviews 59 (2002) 49–76		
10-196	V. N. Kholodov	2002,	Mud Volcanoes: Distribution Regularities and Genesis (Communication 2. Geological–Geochemical Peculiarities and Formation Model)	Lithology and Mineral Resources, Vol. 37, No. 4, 2002, pp. 293–309. Translated from <i>Litologiya i Poleznye Iskopaemye</i> , No. 4, 2002, pp. 339–358.		
10-197	Cathryn C. Giffkins a, Jocelyn McPhie a, Rodney L. Allen b	2002,	Pumiceous rhyolitic peperite in ancient submarine volcanic successions	Journal of Volcanology and Geothermal Research 114 (2002) 181–203		
10-256	Ward, S.N.,	2002,	Slip-sliding away.	Nature,	415,	973-974.
10-257	M. G. Bostock*, R. D. Hyndman†‡, S. Rondenay*§ & S. M. Peacock‡	2002,	An inverted continental Moho and serpentinization of the forearc mantle.	Nature,	417,	536-538.
10-333	John V. Smith	2002,	Structural analysis of flow-related textures in lavas	Earth-Science Reviews,	57,	279-297.
10-354	Naoto Hirano a, Yujiro Ogawa b, Kazuo Saito c	2002,	Long-lived early Cretaceous seamount volcanism in the Mariana Trench, Western Pacific Ocean.	Marine Geology,	189,	371-379.
10-359	Edmund W. Medley	2002,	Estimating Block Size Distributions of Melanges and Similar Block-in-Matrix Rocks (Bimrocks).	Proceedings of 5th North American Rock Mechanics Symposium (NARMS), ed. by Hammah, R., Bawden, W., Curran, J. and Telesnicki, M.		
10-363	T. Mulder & S. Migeon & B. Savoye & J.-C. Faugères	2002,	Reply to discussion by Shanmugam on Mulder et al. (2001, <i>Geo-Marine Letters</i> 21: 86–93) Inversely graded turbidite sequences in the deep Mediterranean. A record of deposits from flood-generated turbidity currents?	Geo-Mar Lett,	22,	112-120.
10-417	酒井治考,	2002,	約100万年前に始まった琉球弧と西南日本弧の地殻変動.	月刊地球,	24,	813-819.
10-426	R. Scott Calhoun a*, Charles H. Fletcher b,1, Jodi N. Harney b	2002,	A budget of marine and terrigenous sediments, Hanalei Bay, Kauai, Hawaiian Islands.	Sedimentary Geology,	150,	61-87.
10-479	角田寿喜, 後藤和彦,	2002,	九州–南西諸島北部域の地震活動とテクトニクス.	地震 第2報,	55,	317-333.
10-550	Robert J. Stern	2002,	SUBDUCTION ZONES	Reviews of Geophysics,	40,	3-13-38
10-575	Jeroen van Hunen*, Arie P. van den Berg, Nico J. Vlaar	2002,	On the role of subducting oceanic plateaus in the development of shallow flat subduction.	Tectonophysics,	352,	317-333.
12-447	T. Mulder & S. Migeon & B. Savoye & J.-C. Faugères	2002,	Reply to discussion by Shanmugam on Mulder et al. (2001, <i>Geo-Marine Letters</i> 21: 86–93) Inversely graded turbidite sequences in the deep Mediterranean. A record of deposits from flood-generated turbidity currents?	Geo-Marine Lett.,	22,	112-120.
12-453	David A. Clague a,*, James G. Moore	2002,	The proximal part of the giant submarine Wailau landslide, Molokai, Hawaii.	Journal of volcanology and geothermal research,	113,	259-287.
12-523	P. Dellino *, G. Liotino	2002,	The fractal and multifractal dimension of volcanic ash particles contour: a test study on the utility and volcanological relevance.	Journal of Volcanology and geothermal Research,	113,	1-18.
12-544	Clive Oppenheimer,	2002,	Limited global change due to the largest known Quaternary eruption, Toba ~ 74 kyr BP?	Quaternary Science Reviews,	21,	1593-1609.
12-546	Michael R. Rampino	2002,	Supereruptions as a threat to civilizations on Earth-like planets.	Icarus,	156,	562-569.
12-556	Donald L. Turcotte	2002,	Fractals in petrology.	Lithos,	65,	261-271.
12-584	Akira Yamaguchi Robert N. Clayton,3 Toshiko K. Mayeda Mitsuru Ebihara,4 Yasuji Oura,4 Yayoi N. Miura,5 Hiroshi Haramura, 1 Keiji Misawa, 1 *2 Hideyasu Kojima Keisuke Nagao6,	2002,	A new source of basaltic meteorites inferred from northwest Africa 011.	Science,	296,	334-336.
12-585	Kurt M. Knesel1* and Jon P. Davidson2	2002,	Insight into collisional magmatism from isotopic fingerprints of melting reactions.	Science,	296,	2206-2208.
12-590	V.S. Kamenetsky a,*, P. Davidson a, T.P. Mernagh b, A.J. Crawford a, J.B. Gemmel, M.V. Portnyagin c, R. Shinjo	2002,	Fluid bubbles in melt inclusions and pillow-rim glasses: high-temperature precursors to hydrothermal fluids?	Chemical Geology,	183,	349-364.
12-632	Carlos J. Chernicoff a,*, Jeremy P. Richards b,1, Eduardo O. Zappettini	2002,	Crustal lineament control on magmatism and mineralization in northwestern Argentina: geological, geophysical, and remote sensing evidence	Ore Geology Reviews	21,	127-155.
12-643	V.S. Kamenetsky 0*, P. Davidson a, T.P. M.V. Portnyagin c, R. ShinjoMernagh b, A.J. Crawford", J.B. Gemmel	2002,	Fluid bubbles in melt inclusions and pillow-rim glasses: high-temperature precursors to hydrothermal fluids?	Chemical Geology,	183,	349-364.
13-053	W.U. Mueller a,*, J.K. Mortensen	2002,	Age constraints and characteristics of subaqueous volcanic construction, the Archean Hunter Mine Group, Abitibi greenstone belt.	Precambrian Research,	115,	119-152.
15-220	澤田浩一	2002,	魚のターゲットストレスの高精度推定に関する研究	水研センター研報	2,	47-122.

(Marine volcanology, Kumamoto Univ.)

15-294	Michel Brunet*, Franck Guy*†, David Pilbeam†, Hassane Taisso Mackaye‡, Andossa Likius*‡, Djimdoumalbaye Ahounta§, Alain Beauvilain§, Cé- cile Blondel*, Herve´ Bocherensk, Jean-Renaud Boisserie*, Louis De Bonis*, Yves Coppens†, Jean Dejax#, Christiane Denys#, Philippe Duringerq, Ve´ra Eisenmann#, Gongdibe´ Fanone§, Pierre Fronty*, Denis Geraads***, Thomas Lehmann*, Fabrice Lihoreau*, Antoine Louchart††, Adoum Mahamat§, Gildas Merceron*, Guy Mouchelin*, Olga Otero*, Pablo Pelaez Campomanes‡‡, Marcia Ponce De Leon§§, Jean-Claude Rage#, Michel Sapanetkk, Mathieu Schusterq, Jean Sudrek, Pascal Tassy#, Xavier Valentin*, Patrick Vignaud*, Laurent Viriot*, Antoine Zazzo{{ & Christoph Zollikofer§§	2002,	A new hominid from the Upper Miocene of Chad, Central Africa.	nature,	418,	145-151, 801.
15-331	M.T. Orozco-Esquivel , A.F. Nieto-Samaniego, S.A. Alaniz-Alvarez	2002,	Origin of rhyolitic lavas in the Mesa Central, Mexico, by crustal melting related to extension.	Journal of Volcanology and Geothermal Research	118,	37-56.
16-071	Adrian P. Jones a: , G. David Price a, Neville J. Price a, Paul S. DeCarli a:b, Richard A. Clegg c	2002,	Impact induced melting and the development of large igneous provinces.	earth and planetary Science Letters	202,	551-561.
16-072	Achim J. Kopf	2002,	SIGNIFICANCE OF MUD VOLCANISM	Review Geophysics,	40,	2-1-2-52
16-073	Achim J. Kopf	2002,	SIGNIFICANCE OF MUD VOLCANISM	Review Geophysics,	40,	2-1-2-52
16-132	Jeroen van Hunen*, Arie P. van den Berg, Nico J. Vlaar	2002,	On the role of subducting oceanic plateaus in the development of shallow flat subduction.	tectonophysics,	352,	317-333.
16-142	Lyobomir I. Dimitrov	2002,	Mud volcanoes—the most important pathway for degassing deeply buried sediments.	Earth-Science Reviews,	59,	49-76.
12-454	Jean-Luc Schneider***, Anthony Le Ruyetb, Frank Chanierb, Christophe Buret, Jacky Ferriereb, Jean-Noel Proustc, Jean-Baptiste Rosseel	2001,	Primary or secondary distal volcanoclastic turbidites: hoe to make the distinction ? An example from the Miocene of New Zealand (Mahia Peninsula, North Island).	Sedimentary Geology,	145,	1-22.
12-645	THIERRY MULDER* and JAN ALEXANDER	2001,	The physical character of subaqueous sedimentary density flows and their deposits.	Sedimentology,	48,	269-299.
12-b033	瀬野徹三	2001,	スラブと地震発生	月刊地球、	23、	674—
12-b034	植平賢司、清水洋、松尾細道、後藤和彦、	2001,	四国・中国西端から九州にかけての深発地震面の形状と発信機構。	月刊地球、	23、	669-673.
12-b035	後藤和彦、本田貴子、八木原寛、角田寿喜、清水洋	2001,	南九州における稍深発地震面の形状と発信機構	月刊地球、	23、	664-668.
15-217	今井登	2001,	地球化学図による元素解析。	地学雑誌、	110、	454-
15-231	今井登1)。寺島滋(岡井貴司1)・金井豊 御子柴真澄(上岡晃1)。富樫茂子1)・松久幸敬 谷口政碩 横田節哉	2001,	国内外の地球化学図と日本全国をカバーする地球化学図プロジェクト。	地質ニュース、	558、	9-17.
03-0107	Yagishita, K.,	2001,	Transportation and sedimentation of Beach and Sea-floor gravels caused by tsunamis: an example at Attari Coast, Iwate Prefecture (In Japanese).	J. Geography,	110,	689-697.
01-003	Kriegsman, L. M.,	2001,	Prograde and retrograde processes in crustal melting.	Lithos,	56,	ix-xi.
01-004	Holtz, F., Johannes, W., Tamic, N. and Behrens, H.,	2001,	Maximum and minimum water contents of granitic melts generated in the crust: a reevaluation and implications.	Lithos,	56,	1-14.
02-0001	Signorelli, S., Vaggelli, G., Romano, C., Carroll, M.R.,	2001,	Volatile element zonation in Campanian Ignimbrite magmas (Phlegrean Fields, Italy): evidence from the study of glass inclusions and matrix glasses.	J.Volcon. Geotherm. Res.,	140,	543-553.
02-0004	Wallace, P.J.,	2001,	Volcanic SO2 emissions and the abundance and distribution of exsolved gas in magma bodies.	J.Volcon. Geotherm. Res.,	108,	85-106.
02-0016	Blundy, J., Cashman, K.,	2001,	Ascent-driven crystallisation of dacite magmas at Mount St Helens, 1980-1986.	Contrib. Mineral. Petrol.,	140,	631-650.
02-0019	de Hoog, J.C.M., Koetsier, G.W., Bronto, S., Sriwana, T., van Bergen, M.J.,	2001,	Sulfur chlorine degassing from primitive arc magmas: temporal changes during the 1982-1983 eruptions of Galunggung (West Java, Indonesia)	J.Volcon. Geotherm. Res.,	108,	55-83.
02-0021	Luhr, J.F.,	2001,	Glass inclusions and melt volatile contents at Paricutin Volcano, Mexico.	Contrib. Mineral. Petrol.,	142,	261-283.
02-0022	Kristein, L.A., Hawkesworth, C.J., Garland, F.G.,	2001,	Felsic lavas or rheomorphic ignimbrites: is there a chemical distinction?	Contrib. Mineral. Petrol.,	142,	309-322.
02-0039	Frezzotti, M.-L.,	2001,	Silicate-melt inclusions in magmatic rocks: applications to petrology.	Lithos,	55,	273-299.
02-0051	Lindsay, J.M., Schmitt, A.K., Trumbull, R.B., de Silva, S.L., Siebel, W., Emmermann, R.,	2001,	Magmatic evolution of the La Pacana caldera system, central Andes, Chile: compositional variation of two cogenetic, Large-volume felsic ignimbrites.	J. Petrology,	42,	459-486.
02-0052	Huysken, K.T., Vogel, T.A., Layer, P.W.,	2001,	Tephra sequences as indicators of magma evolution: 40Ar/39Ar ages and geochemistry of tephra sequences in the southwest Nevada volcanic field.	J.Volcon. Geotherm. Res.,	106,	85-110.
02-0053	Schmitt, A.K., d Silva, S.L., Trumbull, R.B., Emmermann	2001,	Magma evolution in the Purico ignimbrite complex, northern Chile: evidence for zoning of a dacitic magma by injection of rhyolitic melts following mafic recharge.	Contrib. Mineral. Petrol.,	140,	680-700.
02-0055	Cole, J.W., Gamble, J.A., Burt, R.M., Carroll, L.D., Shelley, D.,	2001,	Mixing and mingling in the evolution of andesite-dacite magmas: evidence from co-magmatic plutonic enclaves, Taupo Volcanic zone, New Zealand.	Lithos,	59,	25-46.
02-0056	Conrey, R.M., Hooper, P.R., Larson, P.B., Chesley, J., Ruiz, J.,	2001,	Trace element and isotopic evidence for two types of crustal melting beneath a High Cascade volcanic center, Mt. Jefferson, Oregon.	Contrib. Mineral. Petrol.,	141,	710-732.



(Marine volcanology, Kumamoto Univ.)

02-0058	Melzer, S., Wunder, B.,	2001,	K-Rb-Cs partitioning between phlogopite and fluid: experiments and consequences for the LILE signatures of island arc basalts.	Lithos,	59,	69-90.
02-0075	Castanares, L.M., Robles, S., Gimeno, D., and Bravo, J.C.V.,	2001,	The submarine volcanic system of the errigoiti formation (Albian- Santonian of the Basque-Cantabrian basin, Northern Spain): stratigraphic framework, facies, and sequences.	J. Sedi. Geol.,	71,	318-333.
02-0077	Tucholke, B.E., Fujioka, K., Ishii, T., Hirth, G., and Kinoshita, M.,	2001,	Submersible study of an oceanic megamullion in the central North Atlantic.	J. Geophys. Res.,	106,	16145-16161.
02-0079	Mitchell, N.C.,	2001,	Transition from circular to stellate forms of submarine volcanoes.	J. Geophys. Res.,	106,	1987-
02-0082	Sakimoto, S.E. H., and Gregg, T.K.P.,	2001,	Channeled flow: Analytic solutions, laboratory experiments, and applications to lava flows.	J. Geophys. Res.,	106,	8629-8644.
02-0083	Baloga, S.M., Glaze, L.S., Peitersen, M.N., and Crisp, J. A.,	2001,	Influence of volatile loss on thickness and density profiles of active basaltic flow lobes.	J. Geophys. Res.,	106,	13395-13405.
02-0086	Chadwick Jr., W.W., Scheirer, D.S., Embley, R.W., and Johnson, H.P.,	2001,	High-resolution bathymetric surveys using scanning sonars: Lava flow morphology, hydrothermal vents, and geologic structure at recent eruption sites on the Juan de Fuca Ridge.	J. Geophys. Res.,	106,	16075-16099.
02-0087	Byrnes, J.M. and Crown, D.A.,	2001,	Relationships between pahoehoe surface units, topography, and lava tubes at Mauna Ulu, Kilauea volcano, Hawaii.	J. Geophys. Res.,	106,	2139-2151.
02-0091	Lenat, J.-F., Gibert-Malengreau, B., and Galdeano, A.,	2001,	A new model for the evolution of the volcanic island of Reunion (Indian Ocean).	J. Geophys. Res.,	106,	8645-8663.
02-0096	Fisk, R.S., Naka, J., Iizasa, K., Yuasa, M., and Klaus, A.,	2001,	Submarine silicic caldera at the front of the Izu-Bonin arc, Japan: voluminous seafloor eruptions of rhyolite pumice.	Geol. Soc. Amer. Bull.,	113,	813-824.
02-0106	Parsons, J.D., Whipple, K.X., and Simon, A.,	2001,	Experimental study of the grain-flow, fluid-mud transition in debris flows.	J. Geol.,	109,	427-447.
02-0107	Lirer, L., Vinci, A., Alberico, I., Gifuni, T., Bellucci, F., Petrosino, P., and Tinterri, R.,	2001,	Occurrence of inter-eruption debris flow and hyperconcentrated flood-flow deposits on Vesuvio volcano, Italy.	Sediment. Geol.,	139,	151-167.
02-0108	Blair, T.C.,	2001,	Outburst flood sedimentation on the proglacial tuttle canyon alluvial fan, Owens Valley, California, U.S.A..	J. Sediment. Geol.,	71,	657-679.
02-0109	Zaleha, M.J., Way, J.N., and Suttner, L.J.,	2001,	Effect of synepistional faulting and folding of early Cretaceous rivers and alluvial architecture (Lakota and Cloverly formation, Wyoming, U.S.A.)	J. Sediment. Geol.,	71,	880-894.
02-0110	Wright, I.C.,	2001,	In situ modification of modern submarine hyaloclastic/pyroclastic deposits by oceanic currents: an example from the Southern Kermadec arc (SW Pacific).	Marine Geol.,	172,	287-307.
02-0111	Schneider, J.-L., Le Ruyet, A., Chanier, F., Buret, C., Ferriere, J., Proust, J.-N., and Rosseel, J.-B.,	2001,	Primary or secondary distal volcanoclastic turbidites: how to make the distinction? An example from the Miocene of New Zealand (Mahia Peninsula, North Island)	Sediment. Geol.,	145,	1-22.
02-0112	Goff, J., Chague-Goff, C., and Nicol, S.,	2001,	Palaeotsunami deposits: a New Zealand perspective.	Sediment. Geol.,	143,	1-6.
02-0116	Watts, A.B., and Masson, D.G.,	2001,	New sonar evidence for recent catastrophic collapses of the north flank of Tenerife, Canary Island.	Bull. Volcanol.,	63,	8-19.
02-0118	Krastel, S., Schminke, H.-U., Jacobs, C.L., Rihm, R., Le Bas, T.P., and Alibes, B.,	2001,	submarine landslides around the Canary Island.	Jour Geophys. Res.	106.,	3977-3997.
02-0119	Sohn, Y.K., Rhee, C.W., and Shon, H.,	2001,	Revised stratigraphy and reinterpretation of the Miocene Pohang basinfill, SE Korea: sequence development in response to tectonism and eustasy in a back-arc basin margin.	Sediment. Geol.,	143,	265-285.
02-0120	Lirer, L., Vinci, A., Alberico, I., Gifuni, T., Bellucci, F., Petrosino, P., and Tinterri, R.,	2001,	Occurrence of inter-eruption debris flow and hyperconcentrated flood-flow deposits on Vesuvio volcano, Italy.	Sediment. Geol.,	139,	151-167.
02-0121	Gamberi, F.,	2001,	Volcanic facies associations in a modern volcanoclastic apron (Lipari and Vulcano offshore, Aeolian Island Arc).	Bull. Volcanol.,	63,	264-273.
02-0125	Smith, D.K., Tivey, M.A., Gregg, P.M., and Kong, L.S.L.,	2001,	Magnetic anomalies at the Puna ridge, a submarine extension of Kilauea Volcano: Implication for lava deposition.	J. Geophys. Res.,	106,	16047-16080.
02-0128	Maicher, D., and White, J.D.L.,	2001,	The formation of deep-sea Limu o Pele.	Bull. Volcanol.,	63,	482-496.
02-0129	Roche, O., Druitt, T.H., and Cas, R.A.F.,	2001,	Experimental aqueous fluidization of ignimbrite	J. Volc. Geotherm. Res.,	112,	267-280.
02-0133	Fodor, R.V.,	2001,	The role of tonalite and diorite in Mauna Kea Volcano, Hawaii, Magmatism: petrology of summit-region leucocratic xenoliths.	J. Petrol.,	42,	1685-1704.
02-0134	Gee, M.J.R., Watts, A.B., Masson, D.G., and Mitchell, N.C.,	2001,	Landslides and the evolution of El Hierro in the Canary Islands.	Marine Geol.,	177,	271-29.
02-0139	Moore, J.G.,	2001,	Density of basalt core from Hilo drill hole, Hawaii.	J. Volc. Geotherm. Res.,	112,	221-230.
02-0143	Garcia, M.C., and Davis, M.G.,	2001,	Submarine growth and internal structure of ocean island volcanoes based on submarine observations of Mauna Loa volcano, Hawaii.	Geology,	29,	163-166.
03-0003	Satake, K., and Kato, Y.,	2001,	The 1741 Oshima-Oshima eruption: extent and volume of submarine debris avalanche.	Geophys. Res. Lett.,	28,	427-430.
03-0036	Fox, C.G., Chadwick, W.W., Embley, R.W.,	2001,	Direct observation of a submarine volcanic eruption from a sea-floor instrument caught in a lava flow.	Nat.,	412,	724-729.
03-0038	Ward, S.N.,	2001,	Landslide tsunami	J. Geophys. Res.,	106,	11201-
03-0147	Gee, M.J.R., Masson, D.G., Watts, A.B., and Mitchell, N.C.,	2001,	Offshore continuation of volcanic rift zones, El Hierro, Canary Islands.	J. Volcanol. Geotherm. Res.,	105,	107-119.
04-001	Tappin, D.R., Watts, P., McMurtry, G.M., Lafoy, L., and Matsumoto, T.,	2001,	The Sissano, Papua New Guinea tsunami of July 1998 --offshore evidence on the source mechanism.	Marine Geol.,	175,	1-23.
04-067	Guyodo, Y., Acton, G.D., Brachfeld, S., and Channell, J.E.T.,	2001,	A sedimentary paleomagnetic record of the Matuyama chron from the Western Antarctic margin (ODP Site 1101).	Earth Planet. Sci. Lett.,	191,	61-74.
05-026	Webster, J.D., and Rebbert, C.R.,	2001,	The geochemical signature of fluid-saturated magma determined from silicate melt inclusions in Ascension Island granite xenoliths.	Geochim. et Cosmochim. Acta.,	65,	123-136.
05-056	Burroughs, S.M., and Tebbens, S.F.,	2001,	Upper-truncated power laws in natural systems.	Pure appl. geophys.,	158,	741-757.
05-065	Yamada, S.,	2001,	Classification and geomorphometry of Japanese mountains based on mountain ordering (in Japanese with English abstract).	J. Geography,	110,	79-93.

(Marine volcanology, Kumamoto Univ.)

05-077	Campbell, A.R., Lundberg, A.W., and Dunbar, N. W.,	2001,	Solid inclusions of halite in quartz: evidence for the halite trend	Chemical. Geol.,	173,	179-191.
06-065	Pearce, J.A., Leat, P.T., Barker, P.F., Millar, I.L.,	2001,	Geochemical tracing of Pacific to-Atlantic upper-mantle flow through the Drake passage.	Nat.,	410,	457-
06-066	Hellebrand, E., Snow, J.E., Dick, H.J.B., Hofman, A.W.,	2001,	Coupled major and trace elements as indicators of the extent of melting in mid-ocean-ridge peridotites.	Nat.,	410	677-
06-067	Prouteau, G., Scaillet, B., Pichavant, M., Maury, R.,	2001,	evidence for mantle metasomatism by hydrous silicic melts derived from subducted oceanic crust.	Nat.,	410	197-
06-068	Helfrich, G.R., Wood, B.J.,	2001,	The earth's mantle.	Nat.,	412,	501-
06-069	Schiano, P., Clochiatti, R., Ottolini, L., Busa, T.,	2001,	Transition of Mount Etna lavas from a mantle-plume to an island-arc magmatic source.	Nat.,	412,	900-
06-070	Whitmarsh, R.B., Manatschal, G., Minshull, T.A.,	2001,	Evolution of magma-poor continental margins from rifting to seafloor spreading.	Nat.,	413,	150-
06-3021	Khim, B.K., Woo, K.S., Sohn, Y.K.,	2001,	Sr isotopes of the Seogui Formation (Korea) and their application to geologic age.	J. Asian Earth Sci.,	19,	701-711.
06-3043	Nemeth, K., Martin, U., Harangi, Sz.,	2001,	Miocene phreatomagmatic volcanism at Tihany (Pannonian Basin, Hungary).	J. Volcanol. Geotherm.	111,	111-135.
06-3127	Kaneko, I., Takatsuki, Y., Kamiya, H.,	2001,	Circulation of intermediate and deep waters in the Philippine Sea.	J. Oceanography,	57,	397-420.
06-3131	Owens, W.B., Warren, B.A.,	2001,	Deep circulation in the northwest corner of the Pacific Ocean.	Deep-Sea Research I,	48,	959-993.
06-3157	Benton, L.D., Ryan, J.G., Tera, F.,	2001,	Boron isotope systematics of slab fluids as inferred from a serpentine seamount, Mariana forearc.	Earth Planet. Sci. Lett.,	187,	273-282.
07-020	Maekawa, H., Yamamoto, K., Ishii, T., Ueno, T., Osada, Y.,	2001,	Serpentinite seamounts and hydrated mantle wedge in the Izu-Bonin and Mariana forearc regions.	Bull. Earthq. Res. Inst. Univ. Tokyo,	76,	355-366.
07-029	池原研,	2001,	深海底タービダイトを用いた南海トラフ東部における地震発生間隔の推定.	地学雑誌,	110,	471-478.
07-097s	Davidson, J., Tepley III, F., Palacz, Z., Meffan-Main, S.,	2001,	Magma recharge, contamination and residence times revealed by in situ laser ablation isotopic analysis of feldspar in volcanic rocks.	Earth, Planet., Sci., Lett.,	184,	427-442.
07-097	Defant, M. J., and P. Kepezhinskis	2001,	Evidence suggests slab melting in arc magmas.	Eos, Trans. AGU,	82,	65-68.
07-237	地質調査所,	2001,	日本周辺海域音波探査データベース (CD-ROM版)	地質調査所編集・発行	DGM M-1	CD-ROM
07-247	DeRita, D., Giordano, G., Cecili, A.,	2001,	A model for submarine rhyolite dome growth: Ponza Island (central Italy).	J. Volcanol. Geother. Res.,	107,	221-239.
08-012	Bouma, A.H.,	2001,	Fine-grained submarine fans as possible recorders of long- and short-term climatic changes.	Global and Planetary Change,	28,	85-91.
08-015	成瀬元, 田村亨, 久保雄介, 増田富士夫	2001,	重力流堆積物とその構造	堆積構造入門シリーズ(2)	堆積学研究会, 京都	147 p
08-055	Mulder, T., Alexander, J.,	2001,	The physical character of subaqueous sedimentary density flows and their deposits.	Sedimentology,	48,	269-299.
08-102	Lopez, S., Castro, A.,	2001,	Determination of the fluid-absent solidus and supersolidus phase relationships of MORB-derived amphibolites in the range 4-14 kbar.	Amer. Min.,	86,	1396-1403.
08-108	Saito, G., Kazahaya, K., Shinohara, H., Stimac, J., Kawanabe, Y.,	2001,	Variation of volatile concentration in a magma system of Satsuma-Iwojima volcano deduced from melt inclusion analyses.	J. Volcanol. Geotherm. Res.,	108,	11-31.
09-025	Lambeck, K., Chappell, J.,	2001,	Sea level change through the Last Glacial cycle.	Science,	292,	679-686.
09-032	DeRita, D., Giordano, G., Cecili, A.,	2001,	A model for submarine rhyolite dome growth: Ponza Island (central Italy).	J. Volcanol. Geotherm.	107,	221-239.
09-054	Lallemant, S., Font, Y., Bijwaard, H., Kao, H.,	2001,	New insights on 3-D plates interaction near Taiwan from tomography and tectonic implications.	Tectonophysics,	335,	229-253.
09-057	Lu, H., Hayashi, D.,	2001,	Genesis of Okinawa trough and thrust development within accretionary prism by means of 2D finite element method.	Structural Geol.,	45,	47-64.
09-067	植田義夫, 小野寺建英, 大谷康弘, 鈴木晃,	2001,	明神礁カルデラの構造とその火山学的解釈.	火山,	46,	175-185.
09-107	地質調査所(編),	2001,	日本周辺海域音波探査データベース 数値地図 M-1.	地質調査所,		
09-107	地質調査所(編),	2001,	日本周辺海域音波探査データベース 数値地図 M-1.	地質調査所,		
10-011	Hirano, N.,	2001,	Kinematics of Cretaceous to Tertiary Pacific Plate: discussion from Ar-Ar age and geochemistry of within-plate basalt, chapter 2	<a href="http://www.tulips.tsukuba.ac.jp/limedio/dlam/B16/B1692079/3.pdf">http://www.tulips.tsukuba.ac.jp/limedio/dlam/B16/B1692079/3.pdf</a>		
10-074	Maekawa, H., Yamamoto, K., Ishii, T., Ueno, T., Osada, Y.,	2001,	Serpentinite seamounts and hydrated mantle wedge in the Izu-Bonin and Mariana forearc regions.	Bull. Earthq. Res. Inst. Univ. Tokyo,	76,	355-366.
10-096	Kita, I., Yamamoto, M., Asakawa, Y., Nakagawa, M., Taguchi, S., Hasegawa, H.,	2001,	Contemporaneous ascent of within-plate type and island-arc type magmas in the Beppu-Shimabara graben system, Kyushu Island, Japan.	Journal of volcanology and Geothermal research,	111,	99-109.
10-109	町田洋 他 編	2001,	日本の地形九州・南西諸島	東京大学出版会,	東京,	355 p
10-122	Seghedi, I., Downes, H., Pecskey, Z., Thirlwall, M.F., Szakacs, A., Prychodko, M., Matthey, D.,	2001,	Magma genesis in a subduction-related post-collisional volcanic arc segment: the Ukrainian Carpathians.	Lithos,	57,	237-262.
10-134	edited by Yildirim Dilek, Eldridge Moores, Don Elthon, and Adolphe Nicolas	2001,	Ophiolites and Oceanic Crust: New Insights from Field Studies and the Ocean Drilling Program	The Geological Society of America (GSA) recently published Special Paper 349	349,	560 p.
10-185	A. Aslan, A.G. Warne, W.A. White, E.H. Guevara, R.C. Smyth, J.A. Raney,	2001,	Azerbaijan	Geomorphology 41	2001. 323-336	
10-245	Shang-Ping Xie, 1* W. Timothy Liu, 2 Qinyu Liu, 3 Masami Nonaka 1	2001,	Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System	Science,	292,	2057-2060.
10-270	A.H. Bouma	2001,	Fine-grained submarine fans as possible recorders of long- and short-term climatic changes.	Global and Planetary Change,	28,	85-91.
10-325	Handi Lu* and Daigoro Hayashi	2001,	Genesis of Okinawa Trough and thrust development within accretionary prism by means of 2D finite element method	Structural Geology (The Journal of the Tectonic Research Group of Japan),	45,	47-64.
10-327	S.-K. Hsu, J.-C. Sibuet, C.-T. Shyu,	2001,	Magnetic inversion in the East China Sea and Okinawa Trough: tectonic implications.	Tectonophysics,	333,	111-122.

(Marine volcanology, Kumamoto Univ.)

10-335	Maekawa, H., Yamamoto, K., Ishii, T., Ueno, T., Osada, Y.	2001,	Serpentine seamounts and hydrated mantle wedge in the Izu-Bonin and Mariana forearc regions.	Bulletin of the Earthquake Research Institute University of Tokyo	76,	355-366.
10-337	鎌田浩毅, 斎藤武士, 石川尚人,	2001,	九重火山と由布火山の火砕堆積物の地質と残留磁化.	月刊地球,	23,	522-
10-344	Kita, I., Yamamoto, M., Asakawa, Y., Nakagawa, M., Taguchi, S., Hasegawa, H.,	2001,	Contemporaneous ascent of within-plate type and island-arc type magmas in the Beppu-Shimabara graben system, Kyushuisland, Japan.	Journal of volcanology and Geothermal research,	111,	99-109.
10-349	S., Lallemand, Font, Y., Bijwaard, H., Kao, H.,	2001,	New insights on 3-D plates interaction near Taiwan from tomography and tectonic implications.	Tectonophysics,	335,	229-253.
10-351	Shipboard Scientific Party	2001,	Leg 192 Preliminary Report Basement Drilling of the Ontong Java Plateau	Ocean Drilling Program		
10-388	S.R. Hoover, K.V. Cashman, M. Manga,	2001,	The yield strength of subliquidus basalts - experimental results.	Journal of volcanology and geothermal research,	107,	1-18.
10-389	Lincoln F. Pratsona,*, Jasim Imranb, Eric W.H. Huttonc, Gary Parkerd James P.M. Syvitski	2001,	BANG1D: a one-dimensional, Lagrangian model of subaqueous turbid surges.	Computers & Geosciences,	27,	701-716.
10-394	A. Renzulli, G. Serri, P. Santi, M. Mattioli, P.M. Holm,	2001,	Origin of high-silica liquids at Stromboli volcano (Aeolian Islands, Italy) inferred from crustal xenoliths.	Bull volcanol,	62,	400-419.
10-416	Martin O. Saar *, Michael Manga, Katharine V. Cashman, Sean Fremouw	2001,	Numerical models of the onset of yield strength in crystal-melt suspensions.	Earth and Planetary Science Letters	187,	367-379.
10-425	Richard J. Stevenson † · Donald B. Dingwell Nikolai S. Bagdassarov · Curtis R. Manley	2001,	Measurement and implication of "effective" viscosity for rhyolite flow emplacement.	Bull volcanol,	63,	227-237.
10-433	須藤靖明,	2001,	九州の火山の研究の到達点と課題.	月刊地球,	23,	519-571
10-475	海上保安庁 水路部	2001,	南西諸島 離島海の基本図「宝島」.	資料整理報告書		91 p .
10-520	M. F.J. Flower, R.M. Russo, K. Tamaki, N. Hoang,	2001,	Mantle contamination and the Izu-Bonin-Mariana (IBM) 'high-tide mark': evidence for mantle extrusion caused by Tethyan closure.	Tectonophysics,	333,	9-34.
10-545	Mastiriyono, R. McCaffrey, D. A. Wark, and S. W. Roecker, Fauzi and G. Ibrahim, Sukhyar,	2001,	Distribution of magma beneath the Toba caldera complex, north Sumatra, Indonesia, constrained by three-dimensional P-wave velocities, seismicity, and gravity data.	Geochemistry Geophysics Geosystems,	2,	Paper number 2000GC000096
10-547	Chih-Hsien Sun and Robert J. Stem,	2001,	Genesis of Mariana shoshonites: Contribution of the subduction component.	JOURNAL OF GEOPHYSICAL RESEARCH	106,	589-608.
10-548	Bernardino Giannetti,	2001,	Origin of the calderas and evolution of Roccamonfina volcano (Roman Region, Italy).	Journal of Volcanology and Geothermal research,	106,	301-319.
10-553	S.R. Allen,	2001,	Reconstruction of a major caldera-forming eruption from pyroclastic deposit characteristics: Kos Plateau Tuff, eastern Aegean Sea.	Journal of Volcanology and Geothermal research,	105,	141-162.
10-572	D. M. Kerrick* & J. A. D. Connolly	2001,	Metamorphic devolatilization of subducted marine sediments and the transport of volatiles into the Earth's mantle.	Nature,	411,	293-296
12-038	Zohar Gvirtzman *, Amos Nur	2001,	Residual topography, lithospheric structure and sunken slabs in the central Mediterranean.	Earth and P,	187,	117-130.
12-053	Noriko Hasebe · Ayako Fukutani · Masafumi Sudo, Takahiro Tagami	2001,	Transition of eruptive style in an arc-arc collision zone: K-Ar dating of Quaternary monogenetic and polygenetic volcanoes in the Higashi-Izu region, Izu peninsula, Japan.	Bull Volcanol,	63,	377-386.
12-067	山本裕朗,	2001,	小値賀島単成火山群における噴石丘の形成発達過程.	火山	46,	239-256.
12-243	ZHAI Shikui1, XU Shumei1, YU Zenghui1, QIN Yunshan2 & ZHAO Yiyang,	2001,	Two possible hydrothermal vents in the northern Okinawa Trough.	Chinese Science Bulletin,	46,	943-945.
12-331	morgan juria	2001,	Submarine Structure and Stratigraphy of the South Kona Slump, Hawaii	Cite abstracts as Eos Trans. AGU, 82(47), Fall meet. Suppl		V12B-0977
12-354	S.R. Allen	2001,	Reconstruction of a major caldera-forming eruption from pyroclastic deposit characteristics: Kos Plateau Tuff, eastern Aegean Sea.	Journal of Volcanology and Geothermal Research,	105,	1412-162.
12-412	Steven N. Ward	2001,	Landslide tsunami.	Journal of Geophysical Research,	106,	11201-11215.
12-452	Kenji Satake, Yukihiko Kato,	2001,	The 1741 Oshima-Oshima eruption: Extent and volume of submarine debris avalanche.	Geophysical Research Letters,	28,	427-430.
12-463	Norbert R. Nowaczyk, 1 Stefanie Harwart2 and Martin Melles2	2001,	Impact of early diagenesis and bulk particle grain size distribution on estimates of relative geomagnetic palaeointensity variations in sediments from Lama Lake, northern Central Siberia.	Geophys. J. Int.,	145,	300-306.
12-464	Steven N. Ward	2001,	Landslide tsunami.	Journal of Geophysical Research,	106,	11201-11215.
12-465	Steven N. Ward	2001,	Cumbre Vieja Volcano - Potential collapse and tsunami at La Palma, Canary Islands.	Geophysical Research Letters,	28,	3397-3400.
12-473	Shang-Ping Xie, W. Timothy Liu, Qinyu Liu, and Masami Nonaka	2001,	Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System	Science,	292,	2057-2060.
12-474	Shang-Ping Xie, W. Timothy Liu, Qinyu Liu, and Masami Nonaka	2001,	Supplementary Material: Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System	Science,	292,	2057-2060.
12-515	LI Nai-sheng	2001,	On tectonic problems of the Okinawa trough.	Chinese Journal of Oceanology and Limnology	19,	255-264.
12-538	Nick Petford a,*, Kerry Gallagher	2001,	Partial melting of mafic (amphibolitic) lower crust by periodic influx of basaltic magma.	Earth and Planetary Science Letters,	193,	483-499.
12-551	GIOVANNI CHIODINI ,1* LUIGI MARINER,2 and MASSIMO Russo1	2001,	Geochemical evidence for the existence of high-temperature hydrothermal brines at Vesuvio volcano, Italy.	Geochimica et Cosmochimica Acta,	65,	2129-2147.
12-560	Richard E. Ernst and Kenneth L. Buchan, Editors,	2001,	Mantle plumes: Their identification through time.	GSA Special Paper,	352,	352p.
12-574	Jean-Paul Montagner and Jeroen Ritsema	2001,	Interactions between ridges and plumes.	Science,	294,	1472-1473
12-575	Robert H. Goldstein	2001,	Clues from Fluid Inclusions	Science,	294,	1009

(Marine volcanology, Kumamoto Univ.)

12-577	James B. Gaherty	2001,	Seismic evidence for hotspot-induced buoyant flow beneath the Reykjanes ridge.	Science,	293,	1645-1647.
12-581	Roberto Scarpa*	2001,	Predicting volcanic eruption.	Science,	293,	615-616.
12-581-2	Hiroyuki Kumagai,1 Takao Ohminato,2 Masaru Nakano, Masahiro Ooi,1 Atsuki Kubo,1 Hiroshi Inoue,1 Jun Oikawa,	2001,	Very-Long-Period Seismic Signals and Caldera Formation at Miyake Island, Japan.	Science,	293,	687-690.
12-582	Simon Turner,1,2* Peter Evans,1,3 Chris Hawkesworth	2001,	Ultrafast source-to-surface movement of melt at island arcs from 226Ra-230Th systematics.	Science,	292,	1363-1366.
12-583	Paul S. Hall* and Chris Kincaid,	2001,	Diapiric flow at subduction zones: A recipe for rapid transport	Science,	292,	2472-
12-597	Editor's choice,	2001,	Researchers Target Deadly Tsunamis.	Science,	293,	1251-
12-602	Simon Turner, Peter Evans, Chris Hawkesworth,	2001,	Ultrafast source-to-surface movement of melt at island arcs from 226Ra-230Th systematics.	Science,	292,	1363-1366.
12-606	GIOVANNI C1-11001N1, 1.* Lu1G1 MARJN1,2 and MASSIMO Russo	2001,	Geochemical evidence for the existence of high-temperature hydrothermal brines at Vesuvio volcano, Italy.	Geochimica et Cosmochimica Acta,	65,	2129-2147.
12-640	Kantaro Fujioka, Toshiro Yamanaka, Toshitaka Gamo, Fumio Inagaki, Tatsuya Miwa, and Hiroshi Sato.	2001,	An introduction to the serpentinite biosphere in the Mariana forearc. Capsule of the deep subsurface biosphere from the Chamorro Seamount	Bull. Earthq. Res. Inst. Univ. Tokyo,	76,	417-424.
13-039	Uwe Ring, Mark T. Brandon, Alexander Ramthun,	2001,	Solution-mass-transfer deformation adjacent to the Glarus Thrust, with implications for the tectonic evolution of the Alpine wedge in eastern Switzerland.	Journal of Structural Geology	23,	1491-1505.
13-046	M. D'Orazio a.), S. Agostini a, F. Innocenti a, M.J. Haller b, P. Manetti c, F. Mazzarini,	2001,	Slab window-related magmatism from southernmost South America: the Late Miocene mafic volcanics from the Estancia Glencross Area 3:528S, Argentina-Chile/	Lithos,	57,	67-89.
13-069	JEAN-PAUL LIEGE G10IS4 AND JACQUELINE VANDER AUWERA1 JEAN-PAUL LIEGE G10IS4 AND JACQUELINE VANDER AUWERA1	2001,	A geochemical classification for granitic rocks.	Journal of Petrology,	42,	2033-2048.
15-157	S.D. Scott	2001,	Deep Ocean mining.	Geoscience Canada	28,	87-96.
15-234	Peter J. Mouginis-Mark), Scott K. Rowland	2001,	The geomorphology of planetary calderas	Geomorphology,	37,	201-223.
16-015	Stephen J. Mojzsis*, T. Mark Harrison* & Robert T. Pidgeon	2001,	Oxygen-isotope evidence from ancient zircons for liquid water at the Earth's surface 4,300 Myr ago	Nature,	409,	178-181.
16-022	Alex N. Halliday	2001,	In the beginning...	Nature,	409,	144-145.
16-109	Simon A. Wilde*, John W. Valley*, William H. Peck* & Colin M. Graham	2001,	Evidence from detrital zircons for the existence of continental crust and oceans on the Earth 4.4 Gyr ago.	nature	409,	175-178.
12-b031	福島大輔、小林哲夫	2000,	大隅降下軽石に伴う垂水火砕流の発生・堆積様式。	火山第二集、	45,	225-240.
06-006	Rebesco, M., Vedova, B.D., Cernobori, L., and Aloisi, G.,	2000,	Acoustic facies of Holocene megaturbidites in the Eastern Mediterranean.	Sedimentary Geol.	135,	65-74.
00-0001	Manley, C.S. and Bacon, C.R.,	2000,	Rhyolite thermobarometry and the shallowing of the magma reservoir Coso Volcanic Field, California	J. Petrol.,	41,	149-174.
00-0002	Morris, G.A., Larson, P.B. and Hooper, P.R.,	2000,	Subduction style magmatism in a nonsubduction setting: the Colville Igneous Complex, Nw Washington State, USA	J. Petrol.,	41,	43-67.
00-0003	Murphy, M.D., Sparks, R.S.J., Barclay, J. Carroll, M.R. and Brewer, T.S.,	2000,	Remobilization of andesite magma by intrusion of mafic magma at the Soufriere Hill volcano, Montserrat, West Indies.	J. Petrol.,	41,	21-42.
00-0042	Moore, A.L.,	2000,	Landward fining in onshore gravel as evidence for a late Pleistocene tsunami on Molokai, Hawaii	Geol.,	28,	247-250.
00-0069	Santo, A.P.,	2000,	Volcanological and geochemical evolution of Filicudi (Aeolian Island, south Tyrrhenian Sea, Italy)	J. Volcon. Geotherm. Res.,	96,	79-101.
00-0070	Melluso, L. and Morra, V.,	2000,	Petrogenesis of Late Cenozoic mafic alkaline rocks of the Nosy Be archipelago (northern Madagascar): relationships with the Comorean magmatism	J. Volcon. Geotherm. Res.,	96,	129-142.
00-0074	Keller, E.A.,	2000,	Landslides and related phenomena	Environmental geology 8th edition	Prentice Hall, NJ	132-160.
00-0079	Lipman, P.W.,	2000,	Calderas	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	643-662.
00-0080	Wallace, P. and Anderson, A.T. Jr.,	2000,	Volatiles in magmas	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	149-170.
00-0081	Rogers, N. and Hawkesworth, C.,	2000,	Composition of magma	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	115-131.
00-0082	Perfit, M.R. and Davidson, J.P.,	2000,	Plate tectonic and volcanism	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	89-113.
00-0083	Beget, J.E.,	2000,	Volcanic tsunami	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	1005-1013.
00-0084	Ui, T., Takarada, S. and Yoshimoto, M.,	2000,	Debris avalanches	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	617-626.
00-0085	Vallance, J.W.,	2000,	Lahars	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	601-616.
00-0086	Schmidt, R. and Schmincke, H.-U.,	2000,	Seamounts and island building	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	383-402.
00-0087	Batiza, R. and White, J.D.L.,	2000,	Submarine lavas and hyaloclastite	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	361-381.
00-0088	Wolff, J.A. and Sumner, J.M.,	2000,	Lava fountains and their products	In Sigurdsson, H. (ed.), Encyclopedia of volcanoes	Academic press, London	321-329.
00-0094	Frey, F.A., Clague, D., Mahoney, J.J. and Sinton, J.M.,	2000,	Volcanism at the Edge of the Hawaiian Plume: petrogenesis of submarine alkalic lavas from the North Arch volcanic field.	J. Petrol.,	41,	667-691.

(Marine volcanology, Kumamoto Univ.)

00-0095	Seaman, S.J.,	2000,	Crystal clusters, feldspar glomerocrysts, and magma envelopes in the Atascosa Lookout lava flow, Southern Arizona, USA: Records of magmatic event	J. Petrol.,	41,	693-716.
00-0099	Guillou, H., Sinton, J., Laj, C., Kissel, C. and Szeremeta, N.,	2000,	New K-Ar ages of shield lavas from Waianae Volcano, Oahu, Hawaiian Archipelago.	J. Volcan. Geotherm. Res.,	96,	229-242.
00-0114	Bull, S. W. and Cas, R. A. F.,	2000,	Distinguishing base-surge deposits and volcaniclastic fluvial sediments: an ancient example from the Lower Devonian Snowy River volcanics, south-eastern Australia.	Sedimentology,	47,	87-98.
00-0119	Weaver, P.P.E., Wynn, R.B., Kenyon, N.H. and Evans, J.,	2000,	Continental margin sedimentation, with special reference to the north-east Atlantic margin.	Sedimentology,	47,	239-256.
00-0120	Collerson, K. D., Hapugoda, S., Kamber, B. S. and Williams, Q.,	2000,	Rocks from the mantle transition zone: majorite-bearing xenoliths from Malaita, southwest Pacific.	Science,	288,	1215-1223.
00-0121	Tomaschak, P. B., Ryan, J. G. and Defant, M. J.,	2000,	Lithium isotope evidence for light element decoupling in the Panama subarc mantle.	Geol.,	28,	507-510.
00-0122	Umino, S., Lipman, P. W. and Obata, S.,	2000,	Subaqueous lava flow lobes, observed on ROV KAIKO dives off Hawaii.	Geol.,	28,	503-506.
00-0123	Gutscher, M.-A., Maury, R., Eissen, J.-P. and Bourdon, E.,	2000,	Can slab melting be caused by flat subduction?	Geology,	28,	535-538.
00-0124	Holcomb, R.T., Nelson, B. K., Reiners, P.W. and Sawyer, N.-L.,	2000,	Overlapping volcanoes: the origin of Hilo Ridge, Hawaii.	Geology,	28,	547-550.
00-0149	Oberti, R., Vannucci, R., Zanetti, A., Tiepolo, M. and Brumm, R.C.,	2000,	A crystal chemical re-evaluation of amphibole/melt and amphibole/clinopyroxene D <sub>ti</sub> values in petrogenetic studies.	Amer. Min.,	85,	407-419.
00-0153	Wolff, J.A., Heikoop, C.E. and Ellisor, R.,	2000,	Hybrid origin of Rio Grande rift hawaiites.	Geol.,	28,	203-206.
00-0157	Sachs, P.M. and Hansteen, T.H.,	2000,	pleistocene underplating and metasomatism of the lower continental crust: a xenolith study.	J. Petrol.,	41,	331-356.
00-0169	Bizimis, M., Salters, v.J.M. and Bonatti, E.,	2000,	Trace and REE content of clinopyroxenes from supra-subduction zone peridotites. Implications for melting and enrichment processes in island arcs.	Chem. Geol.,	165,	67-85.
00-0170	Douglass, J. and Schilling, J.-G.,	2000,	Systematics of three-component, pseudobinary mixing lines in 2D isotope ratio space representations and implications for mantle plume-ridge interaction.	Chem. Geol.,	163,	1-23.
00-0171	Jung, S., Hoernes, S. and Mezger, K.,	2000,	Geochronology and petrogenesis of Pan-African, syn-tectonic, S-type and post-tectonic A-type granite (Namibia): products of melting of crustal sources, fractional crystallization and wall rock entrainment.	Lithos,	50,	259-287.
00-0172	Anderson, A.T., Davis, A.M. and Lu, F.,	2000,	Evolution of Bishop Tuff rhyolitic magma based on melt and magnetite inclusions and zoned phenocrysts.	J. Petrol.,	41,	449-473.
00-0173	Eiler, J.M., Crawford, A., Elliott, T., Farley, K.A., Valley, J.W. and Stolper, E.M.,	2000,	Oxygen isotope geochemistry of Oceanic arc lavas.	J. Petrol.,	41,	229-256.
00-0179	Davies, G.R. and Tommasini, S.,	2000,	Isotopic disequilibrium during rapid crustal anatexis: implications for petrogenetic studies of magmatic processes.	Chem. Geol.,	162,	169-191.
00-0181	Tamura, Y., Yuhara, M. and Ishii, T.,	2000,	primary arc basalts from Daisen volcano, Japan: equilibrium crystal fractionation versus disequilibrium fractionation during supercooling.	J. Petrol.,	41,	431-448.
00-0183	Kaszuba, J.P. and Wendlandt, R.F.,	2000,	Effect of carbon dioxide on dehydration melting reactions and melt compositions in the lower crust and the origin of alkaline rocks.	J. Petrol.,	41,	363-386.
00-0184	Volkert, R.A., Feigenson, M.D., Patino, L.C., Delaney, J.S. and Drake Jr, A.A.,	2000,	Sr and Nd isotopic compositions, age and petrogenesis A-type granitoids of the Vernon Supersuite, New Jersey Highlands, USA.	Lithos,	50,	325-347.
00-0185	Huang, Y., Hawkesworth, C., Smith, I., Calsteren, P. van and Black, P.,	2000,	Geochemistry of late Cenozoic basaltic volcanism in Northland and Coromandel, New Zealand: implications for mantle enrichment process.	Chem. Geol.,	164,	219-238.
00-0186	Becker, H., Jochum, K.P. and Carlson, R.W.,	2000,	Trace element fractionation during dehydration of eclogites from high-pressure terranes and the implications for element fluxes in subduction zones.	Chem. Geol.,	163,	65-99.
00-0187	Harris, N., Vance, D. and Ayres, M.,	2000,	From sediment to granite: timescales of anatexis in the upper crust.	Chem. Geol.,	162,	155-167.
00-0188	Nielsen, R.L. and Beard, J.S.,	2000,	Magnetite-melt HFSE partitioning.	Chem. Geol.,	164,	21-34.
00-0197	Naka, J., Takahashi, E., Clague, D., Garcia, M., Hanyu, T., Herrero-Bervera, E., Ishibashi, J., Ishizuka, O., Johnson, K., Kanamatsu, T., Kaneoka, I., Lipman, P., Malahoff, A., McMurty, G., Midson, B., Moore, J., Morgan, J., Naganuma, T., Nakajima, K., Oomori, T., Pietruszka, A., Satake, K., Sherrod, D., Shibata, T., Shinozaki, K., Sisson, T., Smith, J., Takarada, S., Thornber, C., Trusdell, F., Tsuboyama, N., Ui, T., Umino, S., Uto, K. and Yokose, H.	2000,	Tectono-magnetic processes investigated at deep-water flanks of Hawaiian volcanoes.	EOS, trans. Amer. Geophys. Union,	81,	221, 226-227.
00-0198	Morgan, J. K., Moore, G. F., Hills, D.J. and Leslie, S.,	2000,	Overthrusting and sediment accretion along Kilauea's mobile south flank, Hawaii: evidence for volcanic spreading from marine seismic reflection data.	Geol.,	28,	667-670.
00-0199	Sohn, Y. K.,	2000,	Depositional processes of submarine debris flows in the Miocene fan deltas, Pohang basin, SE Korea with special reference to flow transformation.	J. Sediment. Res.,	2000,	491-503.
00-0202	Pareschi, M. T., Favalli, M., Giannini, F., Sulpizio, R., Zanchetta, G. and Santacroce, R.,	2000,	May, 1998, debris flows in circum-Vesuvian areas (southern Italy): Insights for hazard assessment.	Geol.,	28,	639-642.
00-0232	Hildreth, W. and Fierstein, J.,	2000,	Katmai volcanic cluster and the great eruption of 1912.	GSA bull.,	112,	1594-1600.
00-0239	Kauahikaua, J., Hildenbrand, T. and Webring M.,	2000,	Deep magmatic structures of Hawaii volcanoes, imaged by three-dimensional gravity models.	Geology,	28,	883-886.

00-0247	Bennett, V.C., Norman, M.D. and Garcia, M.O.,	2000,	Rhenium and platinum group element abundances correlated with mantle source components in Hawaiian picrites: sulphides in the plume.	Earth Planet. Sci. Lett.,	183,	513-526.
01-001	奥野充・長岡信治・福島大輔・成尾英仁・森脇広・小林哲夫	2000,	始良カルデラ東壁にみられる最近10万年間のデフラ.	火山	45,	41-46.
01-002	Sudo, M., Ishihara, K., Tatsumi, Y.,	2000,	Pre-caldera volcanic history in Aira caldera Area-K-Ar dating of lavas from Kajiki and Kokubu area in northern part and Ushine Area in southern part of the caldera (In Japanese with English abstract).	Bull. Volcanol. Soc. Japan,	45,	1-12.
01-005	Gardien, V., Thompson, A. B. and Ulmer, P.,	2000,	Melting of Biotite + Plagioclase + Quartz gneisses: the role of H <sub>2</sub> O in the stability of amphibole.	J. Petrol.,	41,	651-666.
01-006	Eichelberger, J. C., Chrtkoff, D.G., Dreher, S.T. and Nye, C.J.,	2000,	Magmas in collision: rethinking chemical zonation in silicic magmas.	Geol.,	28,	603-606.
01-007	Tatsumi, Y., Kani, T., Ishizuka, H., Maruyama, S. and Nishimura, Y.,	2000,	Activation of Pacific mantle plumes during the Carboniferous: evidence from accretionary complexes in southwest Japan.	Geol.,	28,	580-582.
02-0003	Signorelli, S., Carroll, M.R.,	2000,	Solubility and fluid-melt partitioning of Cl in hydrous phonolitic melts.	Geochim. Cosmochim.	64,	2851-2862.
02-0017	Cashman, K., Blundy, J.,	2000,	Degassing and crystallization of ascending andesite and dacite.	Phil. Trans. R. Soc. Lond.	358,	1487-1558.
02-0020	Zhang, Y., Behrens, H.,	2000,	H <sub>2</sub> O diffusion in rhyolitic melts and glasses.	Chem. Geol.,	169,	243-262.
02-0036	Nishimura, K., Yanagi, T.,	2000,	In situ crystallization observed in the Osumi granodiorite batholith.	Earth Planet. Sci. Lett.,	180,	185-199.
02-0038	Harris, N., Vance, D., Ayres, M.,	2000,	From sediment to granite: timescales of anatexis in the upper crust.	Chem. Geol.,	162,	155-167.
02-0044	Anderson, A.T., Davis, A.M., Lu, F.,	2000,	Evolution of bishop Tuff rhyolitic magma based on melt and magnetite inclusions and zoned phenocrysts.	J. Petrology,	41,	449-473.
02-0059	Dalpe, C., Baker, D.R.,	2000,	Experimental investigation of large-ion lithophile element-, high-field strength element- and rare earth element-partitioning between calcic amphibole and basaltic melt: the effects of pressure and oxygen fugacity.	Contrib. Mineral. Petrol.,	140,	233-250.
02-0060	Barth, M.G., McDonough, W.F., Rudnick, R.L.,	2000,	Tracking the budget of Nb and Ta in the continental crust.	Chem. Geol.,	165,	197-213.
02-0122	WoldeGabriel, G., Heiken, G., White, T.D., Asfaw, B., Hart, W.K., Renne, P. R.,	2000,	Volcanism, tectonism, sedimentation, and the paleoanthropological record in the Ethiopian Rift system.	Geol. Soc. Amer. Spec. Pap.,	345,	83-99.
02-0127	Bergmanis, E.C., Sinton, J.M., and Trusdell, F.A.,	2000,	Rejuvenated volcanism along the southwest rift zone, East Maui, Hawaii I.	Bull. Volcanol.,	62,	239-255.
02-0136	Rampino, M.R., and Ambrose, S.H.	2000,	Volcanic winter in the Garden of Eden: The Toba supereruption and the late Pleistocene human population crash.	Geol. Soc. Amer. Spec. Pap.,	345,	71-82.
02-0146	Lipman, P.W., Sisson, T.W., Ui, T., Naka, J., and Smith, J.R.,	2000,	In search of ancestral Kilauea volcano.	Geology,	28,	1079-1082.
02-0147	Clague, D.A., Davis, A.S., Bischoff, J.L., Dixon, J.E., and Geyer, R.,	2000,	Lava bubble-wall fragments formed by submarine hydrovolcanic explosions on Loihi Seamount and Kilauea volcano.	Bull. Volcanol.,	61,	437-449.
02-0165	Clague, D.A., Moore, J.G., and Reynolds, J.R.,	2000,	Formation of submarine flat-topped volcanic cones in Hawaii.	Bull. Volcanol.,	62,	214-233.
03-0029	Smith, J.R., and Wessel, P.,	2000,	Isostatic consequences of giant landslides on the Hawaiian ridge.	Pure appl. Geophys.,	157,	1097-1111.
03-0030	Rubin, K. H., Fletcher, C.H., and Sherman, C.,	2000,	Fossiliferous Lana'i deposits formed by multiple events rather than a single giant tsunami.	Nat.,	408,	675-681.
03-0032	Arndt, N.,	2000,	Hot heads and cold tails	Nat.,	407,	458-461.
03-0035	Keller, R.A., Fisk, M.R., and White, W.M.,	2000,	Isotopic evidence for Late Cretaceous plume-ridge interaction at the Hawaiian hotspot.	Nat.,	405,	673-676.
03-0063	Beget, J.E.,	2000,	Volcanic tsunamis.	In Sigurdsson, H. (edi.), Encyclopedia of volcanoes London	Academic press,	1005-1013.
03-0138	Gregg, T.K.P., and Fink, J.H.,	2000,	A laboratory investigation into the effects of slope on lava flow morphology.	J. Volcanol. Geotherm.	96,	145-159.
03-0163	Maicher, D., White, J.D.L., and Batiza, R.,	2000,	Sheet hyaloclastite: density-current deposits of quench and bubble-burst fragments from thin, glassy sheet lava flows, Seamount Six, Eastern Pacific Ocean.	Marine geol.,	171,	75-94.
04-012	McAdoo, B.G., Pratson, L.F., and Orange, D.L.,	2000,	Submarine landslide geomorphology, US continental slope.	Marine geol.,	169,	103-136.
04-013	Rothwell, R.G., Reeder, M.S., Anastasakis, G., Stow, D.A.V., Thomson, J., and Kähler, G.,	2000,	Low sea-level stand emplacement of megaturbidites in the western and eastern Mediterranean Sea.	Sedimentary geol.,	135,	75-88.
04-016	Keating, B.H., and McGuire, W.J.,	2000,	Island edifice failures and associated tsunami hazards.	Pure appl. Geophys.,	157,	899-955.
04-019	Felton, E.A., Crook, A.W., and Keating, B.H.,	2000,	The Hulopoe gravel, Lanai, Hawaii: new sedimentological data and their bearing on the "Giant Wave" (Mega-Tsunami).	Pure appl. Geophys.,	157,	1257-1284.
04-038	Keating, B.H., Waythomas, C.F., and Dawson, A.G.,	2000,	Introduction	Pure appl. Geophys.,	157,	871-873.
04-039	Dawson, A.G., and Shi, S.,	2000,	Tsunami deposits	Pure appl. Geophys.,	157,	875-897.
04-040	Cita, M.B., and Aloisi, G.,	2000,	Deep-sea tsunami deposits triggered by the explosion of Santorini (3500 y BP), eastern Mediterranean.	Sedimentary geol.,	135,	181-203.
04-041	Nilsen, T.H.,	2000,	The Hilt Bed, an Upper Cretaceous compound basin-plain seismoturbidite in the Hornbrook forearc basin of southern Oregon and northern California, USA.	Sedimentary geol.,	135,	51-63.
04-042	Shiki, T., Cita, M.B., and Gorsline, D.S.,	2000,	Sedimentary features of seismites, seismo-turbidites and tsunamiites an introduction.	Sedimentary geol.,	135,	vii-xix.
04-043	Nanayama, F., Shigeno, K., Satake, K., Shimokawa, K., Koitabashi, S., Miyasaka, S., and Ishii, M.,	2000,	Sedimentary differences between the 1993 Hokkaido-nansei-oki tsunami and the 1959 Miyakojima typhoon at Taisei, southwestern Hokkaido, northern Japan.	Sedimentary geol.,	135,	255-264.
04-048	Keating, B. H., Helsley, C.E., and Karogodina, I.,	2000,	Sonar studies of submarine mass wasting and volcanic structures off Savaii island, Samoa.	Pure appl. Geophys.,	157,	1285-1313.
04-065	Brachfeld, S., Acton, G. D., Guyodo, Y., and Banerjee, S.K.,	2000,	High-resolution paleomagnetic records from Holocene sediments from the Palmer Deep, Western Antarctic Peninsula.	Earth Planet. Sci. Lett.,	181,	429-441.
04-068	Guyodo, Y., Gaillot, P., and Channell, J.E.T.,	2000,	Wavelet analysis of relative geomagnetic paleointensity at ODP Site 983.	Earth Planet. Sci. Lett.,	184,	109-123.

(Marine volcanology, Kumamoto Univ.)

04-069	Stoner, J.S., Channell, J.E.T., Hillaire-Marcel, C., and Kissel, C.,	2000,	Geomagnetic paleointensity and environmental record from Labrador Sea core MD95-2024: global marine sediment and ice core chronostratigraphy for the last 110 kyr.	Earth Planet. Sci. Lett.,	183,	161-177.
04-070	Laj, C., Szeremeta, N., Kissel, C., and Guillou, H.,	2000,	Geomagnetic paleointensities at Hawaii between 3.9 and 2.1 Ma: preliminary results.	Earth Planet. Sci. Lett.,	179,	191-204.
04-081	Shiki, T., Cita, M.B., and Gorsline, D.S.,	2000,	content	Sedimentary geol.,	135,	1-4.
05-014	Wallace, P. and Anderson, A.T. Jr.,	2000,	Volatiles in magmas	In Sigurdsson, H. (edi.), Encyclopedia of volcanoes	Academic press, London	149-170.
05-017	Houghton, B.F., Wilson, C.J.N., Smith, R.T., and Gilbert, J.S.,	2000,	Phreatoplinian eruptions.	In Sigurdsson, H. (edi.), Encyclopedia of volcanoes	Academic press, London	513-525.
05-018	Cioni, R., Marianelli, P., Santacroce, R., and Sbrana, A.,	2000,	Plinian and subplinian eruptions.	In Sigurdsson, H. (edi.), Encyclopedia of volcanoes	Academic press, London	477-494.
05-028	Petford, N., Cruden, A.R., McCaffrey, K.J.W., and Vigneresse, J.-L.,	2000,	Granite magma formation, transport and emplacement in the Earth's crust.	Nat.,	408,	669-673.
05-036	Newton, R.C., and Manning, C.E.,	2000,	Quartz solubility in H <sub>2</sub> O-NaCl and H <sub>2</sub> O-Co <sub>2</sub> solutions at deep crust-upper mantle pressures and temperatures: 2-15 kbar and 500-900 C.	Geochim. et Cosmochim. Acta.,	64,	2993-3005.
05-060	Richards, A., Phipps, P., and Lucas, N.,	2000,	Possible evidence for underlying non-linear dynamics in steep-faced glaciodeltaic progradational successions.	Earth Surf. Process. Landforms,	25,	1181-1200.
06-022	石井輝秋・佐藤暢・原口悟・Fryer, P., 藤岡勘太郎・Bloomer, S., 横瀬久芳	2000,	伊豆-前弧域の蛇紋岩海山産カンラン岩の岩石学的特徴.	地学雑誌	109,	517-530.
06-023	Naka J., Takahashi E., Clague D., Garcia M., Hanyu T., Herrero-Bervera E., Ishibashi J., Ishizuka O., Johnson K., Kanamatsu T., Kaneoka I., Lipman P., Malahoff A., McMurty G., Midson B., Moore J., Morgan J., Naganuma T., Nakajima K., Oomori T., Pietruszka A., Satake K., Sherrod D., Shibata T., Shinozaki K., Sission T., Smith J., Takarada S., Thornber C., Trusdell F., Tsuboyama N., Ui T., Umino S., Uto K., and Yokose H.	2000,	Tectono-magnetic processes investigated at deep-water flanks of Hawaiian volcanoes.	EOS, trans. Amer. Geophy. Union,	81,	221, 226-227.
06-1001	Willmore, C.C., Boudreau, A.E., Kruger, F.J.,	2000,	The halogen geochemistry of the Bushveld complex, republic of South Africa: implications for chalcophile element distribution in the critical zones.	J. Petrol.	41,	1517-1539.
06-1001	Willmore, C.C., Boudreau, A.E., Kruger, F.J.,	2000,	The halogen geochemistry of the Bushveld complex, republic of South Africa: implications for chalcophile element distribution in the critical zones.	J. Petrol.	41,	1517-1539.
06-1002	Smithies, R.H.,	2000,	The rchaean tonalite-trondjemite-granodiorite (TTG) series is not an analogue of Cenozoic adakite.	Earth Planet. Sci. Lett.,	182,	115-125.
06-1002	Smithies, R.H.,	2000,	The rchaean tonalite-trondjemite-granodiorite (TTG) series is not an analogue of Cenozoic adakite.	Earth Planet. Sci. Lett.,	182,	115-125.
06-1003	Melzer, S., Wunder, B.,	2000,	Island-arc basalt alkali ratios: constrains from phengite-fluid partitioning experiments.	Geol.	28,	583-586.
06-1003	Melzer, S., Wunder, B.,	2000,	Island-arc basalt alkali ratios: constrains from phengite-fluid partitioning experiments.	Geol.	28,	583-586.
06-1004	Kahl, W.-A., Schumacher, J.C.,	2000,	Multiple pyroxene and amphibole assemblages in the amphibolite facies: bulk compositional controls.	Amer. Mine.	85,	1606-1616.
06-1004	Kahl, W.-A., Schumacher, J.C.,	2000,	Multiple pyroxene and amphibole assemblages in the amphibolite facies: bulk compositional controls.	Amer. Mine.	85,	1606-1616.
06-1005	Manley, C.R., Glazner, A.F., Farmer, G.L.,	2000,	Timing of volcanism in the Sierra Nevada of California: evidence for Pliocene delamination of the batholithic root?	Geology,	28,	811-814.
06-1007	Melzer, S., Wunder, B.,	2000,	Island-arc basalt alkali ratios: constrains from phengite-fluid partitioning experiments.	Geol.,	28,	583-586.
06-1008	Gutscher, M.-A., Maury, R., Eissen, J.-P., Bourdon, E.,	2000,	Can slab melting be caused by flat subduction?	Geology,	28,	535-538.
06-1066	Cashman, K., Blundy, J.,	2000,	Degassing and crystallization of ascending andesite and dacite.	Phil. Trans. R. Soc. Lond.,	A358,	1487-1558.
06-1145	B o u m a , A.H., Stone, C.G.,	2000,	Fine-grained turbidite system	AAPG	68,	
06-2005	Ennis, D.J., N.W. Dunbar, A.R. Campbell, C.E. Chapin	2000,	The effects of K-metasomatism on the mineralogy and geochemistry of silicic ignimbrites near Socorro, New Mexico	Chemical Geol.,	167	285-312
06-2006	Avner Vengosh, Joris Gieskes, Chris Mahn	2000,	New evidence for the origin of hypersaline pore fluids in the Mediterranean basin	Chemical Geol.	163	287-298
06-2008	Gareth R. Davies, Simone Tommasini	2000,	Isotopic disequilibrium during rapid crustal anatexis: implications for petrogenetic studies of magmatic processes	Chemical Geol.,	162	169-191
06-3029	Bull, S.T., Cas, R.A.F.,	2000,	Distinguishing base-surge deposits and volcanoclastic fluvial sediments: an ancient example from the Lower Devonian Snowy River volcanics, south-eastern Australia.	Sedimentology,	47,	87-98.
06-3051	White, J.D.L., Houghton, B.,	2000,	Surtseyan and related phreatomagmatic eruptions.	In Sigurdsson, H., Houghton, B., McNutt, S.R., Rymer, H., Stix, J., (editors), Encyclopedia of Volcanoes.	Academic Press	495-511.
06-3052	Morrissey, M., Zimanowski, B., Wohletz, K., Buettner, R.,	2000,	Phreatomagmatic fragmentation.	In Sigurdsson, H., Houghton, B., McNutt, S.R., Rymer, H., Stix, J., (editors), Encyclopedia of Volcanoes.	Academic Press	431-444.
06-3062	Mastin, L.G., Witter, J.B.,	2000,	The hazards of eruptions through lakes and seawater.	J. Volcanol. Geotherm.	97,	195-214.
06-3140	神谷泉、黒木貴一、田中耕平、	2000,	傾斜量図を用いた地形・地質の判読。	情報地質,	11,	11-24.

(Marine volcanology, Kumamoto Univ.)

07-006	Fryer, P., Lockwood, J.P., Becker, N., Phipps, S., Todd, C.S.,	2000,	Significance of serpentine mud volcanism in convergent margins.	Geol. Soc. Amer. Spec.,	349,	35-51.
07-028	中嶋健,	2000,	タービディティール・カーレントの発生機構—タービダイトを用いた海域地震発生間隔評価手法の確立に向けて—.	地質調査所月報,	51,	79-87.
07-055	Pyle, D.M.,	2000,	Size of volcanic eruptions.	In Sigurdsson, H. (ed.) 'Encyclopedia of Volcanoes'	Academic Press,	263-269.
07-056	Simkin, T., Siebert, L.,	2000,	Earth's volcanoes and eruptions: an overview.	In Sigurdsson, H. (ed.) 'Encyclopedia of Volcanoes'	Academic Press,	249-261.
07-058	Sigurdsson, H.,	2000,	Volcanic episodes and rates of volcanism.	In Sigurdsson, H. (ed.) 'Encyclopedia of Volcanoes'	Academic Press,	271-279.
07-059	Rampino, M.R., Ambrose, S.H.,	2000,	Volcanic winter in the Garden of Eden: The Toba supereruption and the late Pleistocene human population crash.	Geol. Soc. Amer. Spec. Pap.,	345,	71-82.
07-099s	Tepley III, F.J., Davidson, J.P., Tilling, R.I., Arth, J.G.,	2000,	Magma Mixing, recharge and eruption histories recorded in plagioclase phenocrysts from El Chichon Volcano, Mexico.	Jour. Petrol.,	41,	1397-1411.
07-141	Davidson, J., de Silva, S.,	2000,	Composite volcanoes.	In Sigurdsson, H. (ed.) 'Encyclopedia of Volcanoes'	Academic Press,	663-681.
07-219	Shinjo, R., Kato, Y.,	2000,	Geochemical constraints on the origin of bimodal magmatism at the Okinawa Trough, an incipient back-arc basin.	Lithos,	54,	117-137.
07-220	Shinjo, R., Woodhead, J.D., Hergt, J.M.,	2000,	Geochemical variation within the northern Ryukyu arc: magma source compositions and geodynamic implications.	Contrib., Mineral., Petrol.,	140,	263-282.
07-240	岸本清行,	2000,	陸域を合わせた日本周辺のメッシュ地形データの製作: Japan250m.grd	GSJ open file Rep.,	353,	CD-ROM
08-011	Bouma, A.H.,	2000,	Coarse-grained and fine-grained turbidite systems as end member models: applicability and dangers.	Marine and Petroleum Geol.,	17,	137-143.
08-017	Smith, J.R., Wessel, P.,	2000,	Isostatic consequences of giant landslides on the Hawaiian reidge.	Pure appl. Geophys.,	157,	1097-1117.
08-026	Kneller, B., Buckee, C.,	2000,	The structure and fluid mechanics of turbidity currents: a review of some recent studies and their geological implications.	Sedimentology,	47,	62-94.
08-027	Hurlimann, M., Garcia-Piera, J.O., Ledesma, A.,	2000,	Causes and mobility of large volcanic landslides: application to Tenerife, Canary Islands.	J. Volcanol. Geotherm. Res.,	103,	121-134.
08-056	Shanmugan, G.,	2000,	50 years of the turbidite paradigm (1950s-1990s): deep-water processes and facies models- a critical perspective.	Marine and Petroleum Geology,	17,	285-342.
08-058	Stow, D.A.V., Mayall, M.,	2000,	Deep-water sedimentary systems: new models for the 21st century.	Marine and Petroleum Geol.,	17,	125-135.
08-100	Delgado-Granados, H., et al.,	2000,	Cenozoic Tectonics and Volcanism of Mexico : Preface.	Geol. Soc. Amer. Spec. Pap.,	334,	v-vii.
08-101	Aguirre-Diaz, G.J., McDowell, F.W.,	2000,	Volcanic evolution of the Amealco caldera, central Mexico.	Geol. Soc. Amer. Spec. Pap.,	334,	179-193.
08-106	Simkin, T., Siebert, L.,	2000,	Earth's volcanoes and eruptions: an overview.	Encyclopedia of Volcanoes,	Academic Press,	249-261.
08-107	Pyle, D.M.,	2000,	Sizes of volcanic eruptions.	Encyclopedia of Volcanoes,	Academic Press,	263-269.
08-152	Shinjo, R., Kato, Y.,	2000,	Geochemical constraints on the origin of bimodal magmatism at the Okinawa Trough, an incipient back-arc basin.	Lithos,	54,	117-137.
08-453	Allen, S.R., McPhie, J.,	2000,	Water-settling and resedimentation of submarine rhyolitic pumice at Yali, eastern Aegean, Greece.	J. Volcanol. Geotherm. Res.,	95,	285-307.
10-147	Rampino, M.R., Ambrose, S.H.,	2000,	Volcanic winter in the Garden of Eden: The Toba supereruption and the late Pleistocene human population crash.	Geological Society of America Special Paper,	345,	71-82.
10-182	Davidson, J., De Silva, S.,	2000,	Composite volcanoes.	In Encyclopedia of Volcanoes,	Academic Press,	663-681.
10-190	Yurika Ujiie)	2000,	Mud diapirs observed in two piston cores from the landward slope of the northern Ryukyu Trench, northwestern Pacific Ocean	Marine Geology 163	2000, 149-167	
10-222	A.J. Hale	2000,	Lava Dome Growth and Evolution with an Independently Deformable Talus.	Geophys. J. Int.,	142,	
10-223	N. J. BALMFORTH1, A. S. BURBIDGE2 R. V. CRASTER3, J. SALZIG4 AND A. SHEN5	2000,	Visco-plastic models of isothermal lava domes.	J. Fluid Mech.	403,	37-65.
10-261	S.R. Allen, J. McPhie	2000,	Water-settling and resedimentation of submarine rhyolitic pumice at Yali, eastern Aegean, Greece.	Journal of Volcanology and Geothermal research,	95,	285-307.
10-269	Arnold H. Bouma*	2000,	Coarse-grained and fine-grained turbidite systems as end member models: applicability and dangers.	Marine and Petroleum Geology,	17,	137-143.
10-319	Tracy K.P. Gregg)1, Jonathan H. Fink	2000,	A laboratory investigation into the effects of slope on lava flow morphology.	Journal of volcanology and geothermal research,	96,	145-159.
10-360	A.V. Milkov	2000,	Worldwide distribution of submarine mud volcanoes and associated gas hydrates	Marine Geology,	167,	29-42.
10-437	Fanchen Konga.*, Lawrence A. Lawverb, Tung-Yi Lee	2000,	Evolution of the southern Taiwan-Sinzi Folded Zone and opening of the southern Okinawa trough.	Journal of Asian Earth Sciences,	18,	325-341.
10-445	Ben, Kneller, Clare, Buckee,	2000,	The structure and fluid mechanics of turbidity currents: a review of some recent studies and their geological implications.	Sedimentology,	47,	62-94.
10-458	Rampino, M.R., Ambrose, S.H.,	2000,	Volcanic winter in the Garden of Eden: The Toba supereruption and the late Pleistocene human population crash.	Geological Society of America Special Paper,	345,	71-82.
10-517	J. W. COLE1*, T. THORDARSON2 AND R. M. BURT	2000,	Magma Origin and Evolution of White Island (Whakaari) Volcano, Bay of Plenty New Zealand.	Journal of Petrology,	41,	867-895.
12-080	DAVID L. KOHLSTEDT1*, MARK E. ZIMMERMAN1 AND STEPHEN J. MACKWELL2	2000,	Stress-driven Melt Segregation in Partially Molten Feldspathic Rocks.	Jour. Petrol.,	51,	9-19.
12-233	XIAO-LONG HUANG1*, YAOLING NIU2, YI-GANG XU1, LIN-LI CHEN1 AND QI-JUN YANG1,	2000,	Mineralogical and geochemical constraints on the petrogenesis of post-collisional potassic and ultrapotassic rocks from Western Yunnan, Sw China.	Jour. Petrology,	51,	1617-1654.
12-292	Michael R. Perfit, Jon P. Davidson,	2000,	Plate tectonics and volcanism.	Encyclopedia of Volcanoes,	Academic Press,	89-113.
12-293	Rodey Batiza, James D.L. White,	2000,	Submarine lavas and hyaloclastite.	Encyclopedia of Volcanoes,	Academic Press,	361-381.
12-294	Ralf Schmidt, Hans-Ulrich Schmincke,	2000,	Seamounts and island building.	Encyclopedia of Volcanoes,	Academic Press,	383-402.
12-306	Philip Watts, Fumihiko Imamura, Stephan Grilli,	2000,	Comparing model simulations of three benchmark tsunami generation case.	Science of Tsunami Hazards	18,	107-123.



12-323	Ken H. Rubin, Charles H. Fletcher III & Clark Shennan	2000,	Fossiliferous Lana'I deposits formed by multiple events rather than a single giant tsunami.	Nature,	408,	675-681.
12-483	Edited by Arnold H. Bouma and Charles G. Stone	2000,	Fine-Grained Turbidite Systems	AAPG Memoir 72 / SEPM Special Publication No. 68: Fine-Grained Turbidite Systems Edited by Arnold H. Bouma and Charles G. Stone	68,	1-181
12-485	R. M. Slatt, H. A. Al-Siyabi, C. W. VanKirk, R. W. Williams,	2000,	From Geologic characterization to "Reservoir Simulation" of a turbidite outcrop, Arkansas, U.S.A.	AAPG Memoir 72 / SEPM Special Publication No. 68: Fine-Grained Turbidite Systems Edited by Arnold H. Bouma and Charles G. Stone	68,	187-194.
12-528	D. A. Clague · J. G. Moore · J. R. Reynolds	2000,	Formation of submarine flat-topped volcanic cones in Hawai'I .	Bull Volcanol,	62,	214-233.
12-557	John L. Smellie,	2000,	Subglacial eruptions.	Encyclopedia of Volcanoes,		403-418.
12-558	RALF SCHMIDT HANS-ULRJGH SCHMINcKE	2000,	Seamounts and island building.	Encyclopedia of Volcanoes,		383-401.
12-559	Rodey Batiza and James D. L. White,	2000,	Submarine lavas and hyaloclastite.	Encyclopedia of Volcanoes,		361-381.
12-601	Haraldur Sigurdsson,	2000,	Volcanic episodes and rates of volcanism.	Encyclopedia of Volcanoes,		271-279.
12-b014	James E. Beget,	2000,	Volcanic tsunamis,	Encyclopedia of Volcanoes,	academic	1005-1030
12-b040	John L. SMELLIE.	2000,	Subglacial eruptions.	Encyclopedia of Volcanoes,	academic	403-418.
12-b041	STEVEN CAREY	2000,	Volcaniclastic sedimentation around island arcs.	Encyclopedia of Volcanoes,	academic	627-642.
12-b042	Rodey Batiza, James D.L. White,	2000,	Submarine lavas and hyaloclastite.	Encyclopedia of Volcanoes,	academic	361-381.
12-b043	Steven Carey,	2000,	Volcaniclastic sedimentation around island arcs.	Encyclopedia of Volcanoes,	academic	627-642.
13-021	S.R. Allen ), J. McPhie	2000,	Water-settling and resedimentation of submarine rhyolitic pumice at Yali, eastern Aegean, Greece	Journal of Volcanology and Geothermal Research,	95,	285-307.
15-319	Gareth R. Davies ), Simone Tommasini	2000,	Isotopic disequilibrium during rapid crustal anatexis: implications for petrogenetic studies of magmatic processes.	Chemical Geology,	162,	169-191.
16-136	A.V. Milkov	2000,	Worldwide distribution of submarine mud volcanoes and associated gas hydrates.	Marine geology,	167,	29-42.
16-161	Andrea Borgia <sup>2</sup> , Paul T. Delaney <sup>3</sup> , and Roger P. Denlinger <sup>4</sup>	2000,	Spreading volcanoes.	Annu. Rev. Mar. Sci.,	28,	539-570.
99-0744	Kurasawa, H.,	19xx,	阿蘇・木曾御岳山噴出物のストロンチウム同位体組成	? ?		13-18.
99-0803	Watanabe, K.,	19xx,	雲仙火山の地質	平成2年科研費報告書		1-11.
99-0983	Aoki, K. and Shiba, I.,	19xx,	Petrology of websterite inclusions of Itinome-gata, Japan:	??	?	395-417.
99-0984	Fukuyama, H.,	19xx,	Gabbroic inclusions of Ichinomegata tuff cone: bulk chemical composition:	??	?	67-80.
99-0997	Arai, S.,	19xx,	火山岩中の捕獲岩からみた日本列島の上部マントル	—		
99-1086	Ueda, S.,	19xx,	Northwest Pacific trench margins:	Continental margin?	??	473-491.
99-1111	Kimura, T.,	19xx,	The ancient continental margin of Japan:	In Continental Margin		817-829.
99-1121	Taira, A., Tokuyama, H. and Soh, W.,	19xx,	8. Accretion tectonics and evolution of Japan:	In the northwest Pacific margins		100-123.
99-1123	Taira, A.,	19xx,	12. 四方十帯の形成過程	日本列島の形成?	朝倉?	358-
99-1246	Sugimura, A.,	19XX,	Spatial relations of basaltic magmas in island arcs:	In Hess and Poldervaart(Editors), Basalts	???	537-571.
99-1306	Yamazaki, M., Sato, H. and Sakata, A.,	19XX,	飛騨山地西部の第四紀火山とその噴出物:	日本の第四紀火山岩組成の時空分布	科研費報告	24-30.
99-1308	Takahashi, M. and Fujinawa, A.,	19XX,	A-21. 第四紀東北日本弧火山におけるK <sub>2</sub> O量, Na <sub>2</sub> O量, CaO量広域的变化:	講演要旨		30
99-1314	Nakagawa, M., Yoshida, T. and Kurasawa, H.,	19XX,	森吉火山噴出物のSr同位体比及び微量元素=マグマ混合端成分の成因関係—	講演要旨,		46
99-1352	Notsu, K., Aramaki, S., Oshima, O. and Kobayashi, Y.,	19XX,	ストロンチウム同位体データからみたフィリピン海プレートの沈み込み:	講演要旨		91
99-1360	Nohda, S.,	19XX,	ネオジウム同位体対比とマントル・地殻の進化:	?		81-98.
99-0742	Kurasawa, H.,	19xx	東北地方第三紀火山岩類のSr同位体対比—日本海拡大との関連—	講演要旨?		92
99-0783	Kimura, M.,	19XX	沖縄トラフ拡大軸の研究	地質学会講演予稿集	XX	2.01
99-0794	Suehiro, K.,	19XX	Structure beneath Unzen volcano (In Japanese)	?		134-136.
99-0816	Yokoyama, K. and Watanabe, K.,	19XX	熊本市および周辺地域の地形・地質の概要と研究課題:	市史研究くまもと	2,	53-72.
99-0817	Watanabe, K.,	19XX	雲仙火山の地質と198年振りの噴火:	『歴史玉名』	6,	95-99.
99-0820	Watanabe, K.,	19XX	阿蘇火山の噴出物について	第23回砂防学会シンポジウム講演集		1-9.
99-0845	Tsuyuki, T.,	19xx	南九州における地質構造と温泉・地熱 (特別講演)	地質学会?		1-195
99-0847	Kobayashi, T. and Aramaki, S.,	19xx	桜島火山の最近の噴出物の組成変化	? ?		36-39.
99-0864	Kurasawa, H., Ishikawa, H., Arai, F. and Leeman, W.P.,	19XX	Sr isotopic ratios of the Sakura-jima and Aira volcanics and combined processes of magma-evolution (In Japanese):	Bull. Volcanol., Soc. Japan,	講演要旨	344-345.
99-0883	Taneda, S. and Irida, S.,	19xx	Pyroclastics of south Osumi district (In Japanese, with English abstract):	?		11-21.
99-0884	Uto, K.,	19XX	Petrology of the Sendai basalt, Southern Kyushu and the origin of the "high alumina basalt" (In Japanese):	火山学会講演要旨		128-129.
99-0935	Torii, M. and Ishikawa, N.,	19XX	Paleomagnetic directions from middle Miocene igneous rocks in Central, Eastern Kyushu Islands:	??		1-5.
99-0889	Uto, K. and Uchiumi, S.,	199X	K-Ar age of Sendai basalt, Southern Kyushu (In Japanese):	火山学会講演要旨		204,
99-0890	Yamamoto, M., Nagao, T., Hase, Y. and Nagamine, S.,	199x	Volcanic rocks from Hisatsu and Hokusatsu districts (In Japanese)	火山学会講演要旨		338,
06-3141	神谷泉、田中耕平、長谷川裕之、黒木貴一、早田靖博、小田切聡子、政春尋志	1999,	傾斜量図の作成とその応用.	情報地質,	10,	76-79.
12-068	山本裕朗, 谷口宏亮	1999,	小値賀島単成火山群の火山地質.	東北アジア研究,	3,	201-232.
03-0084	Werner, R., and Schmincke, H.-U.,	1999,	Englacial vs lacustrine origin of volcanic table mountains: evidence from iceland.	Bull. Volcanol.,	60,	335-354.

00-0007	Signorelli, S., Vaggelli, G. and Romano, C.,	1999,	Pre-eruptive volatile (H <sub>2</sub> O, F, Cl and S) contents of phonolitic magmas feeding the 3550-year old Avellino eruption from Vesuvius, southern Italy.	J.Volcon. Geotherm. Res.,	93,	237-256.
00-0008	Verma, S.P.,	1999,	Geochemistry of evolved magmas and their relationship to subduction-unrelated mafic volcanism at the volcanic front of the central Mexican Volcanic belt.	J.Volcon. Geotherm. Res.,	93,	151-171.
00-0009	Nagy, E.A., Grove, M. and Stock, J.M.,	1999,	Age and stratigraphic relationships of pre- and syn rift volcanic deposits in the northern Puertecitos Volcanic Province, Baja California, Mexico.	J.Volcon. Geotherm. Res.,	93,	1-30.
00-0010	Pappalardo, L., Civetta, L., D'Antonio, M., Deino, A., Di Vito, M., Orsi, G., Carandente, A., de Vita, S., Isaia, R. and Piochi, M.,	1999,	Chemical and Sr-isotopic evolution of the Phlegraean magmatic system before the Campanian Ignimbrite and the Neapolitan Yellow tuff eruptions.	J.Volcon. Geotherm. Res.,	93,	141-166.
00-0046	Walker, G.P.L.,	1999,	Volcanic rift zones and their intrusion swarms	J. Volcon. Geotherm. Res.,	94,	21-34.
00-0047	McMurtry, G.M., Herrero-Bervera, E., Cremer, M.D., Smith, J.R., Resig, J., Sherman, C. and Torresan, M.E.,	1999,	Stratigraphic constraints on the timing and emplacement of the Alike 2 giant Hawaiian submarine landslide	J. Volcon. Geotherm. Res.,	94,	35-58.
00-0048	Smith, J.R., Malahoff, A. and Shor, A.N.,	1999,	Submarine geology of the Hilina slump and morpho-structural evolution of Kilauea volcano, Hawaii	J. Volcon. Geotherm. Res.,	94,	59-88.
00-0063	Editorial	1999,	Deformation and flank instability of oceanic island volcanoes: a comparison of Hawaii with Atlantic island volcanoes	J. Volcon. Geotherm. Res.,	94,	vii
00-0064	Carracedo, J.C.,	1999,	Growth, structure, instability and collapse of Canarian volcanoes and comparisons with Hawaiian volcanoes	J. Volcon. Geotherm. Res.,	94,	1-19.
00-0065	Stillman, C.J.,	1999,	Giant Miocene landslides and the evolution of fuerteventura, Canary Islands	J. Volcon. Geotherm. Res.,	94,	89-104.
00-0066	Mehl, K.W. and Schmincke, H.-U.,	1999,	Structural and emplacement of the Pliocene Roque Nublo debris avalanche deposit, Gran Canaria, Spain	J. Volcon. Geotherm. Res.,	94,	105-134.
00-0067	Carracedo, J.C., Day, S.J., Guillou, H. and Torrado, F.J.P.,	1999,	Giant Quaternary landslides in the evolution of La Palma and El Hierro, Canary Islands	J. Volcon. Geotherm. Res.,	94,	169-190.
00-0068	Riley, C.M., Diehl, J.F., Kirschvink, J.L. and Ripperdan, R.L.,	1999,	Paleomagnetic constraints on fault motion in the Hilina Fault System, south flank of Kilauea volcano, Hawaii	J. Volcon. Geotherm. Res.,	94,	233-249.
00-0089	Davies, G.F.,	1999,	Dynamic Earth: plates, plumes and mantle convection		Cambridge university press, Cambridge,	458 p
00-0110	Halliday, A.N.,	1999,	Unmixing Hawaiian cocktails.	Nat.,	399,	733-734.
00-0116	Gee, M.J.R., Masson, D.G., Watts, A.B. and Allen, P.A.,	1999,	The Saharan debris flow: an insight into the mechanics of long runout submarine debris flows.	Sedimentology,	46,	317-335.
00-0117	Blair, T. C.,	1999,	Sedimentology of the debris-flow-dominated warm spring Canyon alluvial fan, Death Valley, California.	Sedimentology,	46,	941-965.
00-0118	Blair, T. C.,	1999,	Cause of dominance by sheetflood vs. debris-flow processes on two adjoining alluvial fans, Death Valley, California.	Sedimentology,	46,	1015-1028.
00-0127	Cotterell, E., Grandner, J. E. Rutherford, M. J.,	1999,	Petrologic and experimental evidence for the movement and heating of the pre-eruptive Minoan rhyodacite (Santorini, Greece).	Contrib. Mineral Petrol.,	135,	315-331.
00-0128	Ernst, W.G.,	1999,	Horblende, the continent maker: Evolution of H <sub>2</sub> O during circum-Pacific subduction versus continental collision.	Geol.,	27,	375-378.
00-0129	Garner, A. and McPhie, J.,	1999,	Partially melted lithic megablocks in the Yardea dacite, Gawler Range Volcanics, Australia: implications for eruption and emplacement mechanisms.	Bull Volcanol.,	61,	396-410.
00-0131	Hammer, J. E., Cashman, K. V., Hoblitt, R. P. and Newman, S.,	1999,	Degassing and microlite crystallization during pre-climactic events of the 1991 eruption of Mt. Pinatubo, Philippines.	Bull Volcanol.,	60,	355-380.
00-0133	karatson, D., Thouret, J.-C., Moriya, I. And Lomoschitz, A.,	1999,	Erosion calderas: origins, processes, structural and climatic control.	Bull Volcanol.,	61,	174-193.
00-0134	Watts, R.B., de Silva, S.L., de Rios, G. J. and Croudace, I.,	1999,	Effusive eruption of viscous silicic magma triggered and driven by recharge: a case study of the Cerro Chasco-Runtu Jarita dome complex in southwest Bolivia.	Bull Volcanol.,	60,	241-264.
00-0135	Bryant, C.J., Arculus, R.J. and Eggins, S.M.,	1999,	Laser ablation-inductive coupled plasma-mass spectrometry and tephra: A new approach to understanding arc-magma genesis.	Geol.,	27,	1119-1122.
00-0136	Hildebrand, R.S. and Bowring, S.A.,	1999,	Crustal recycling by slab failure.	Geology,	27,	11-14.
00-0137	Marquez, A., Oyarzun, R., Doblaz, M. and Verma, S. P.,	1999,	Alkalic (ocean-island basalt type) and calc-alkalic volcanism in the Mexican volcanic belt: A case for plume-related magmatism and propagating rifting at an active margin?	Geology,	27,	51-54.
00-0138	Wolff, J.A., Ramos, F. C. and Davidson, J.P.,	1999,	Sr isotope disequilibrium during differentiation of the Bandelier Tuff: constraints on the crystallization of a large rhyolitic magma chamber.	Geol.,	27,	495-498.
00-0139	Gvirtzman, Z. and Nur, A.,	1999,	Plate detachment, asthenosphere upwelling, and topography across subduction zones.	Geology,	27,	563-566.
00-0140	Peccerillo, A.,	1999,	Multiple mantle metasomatism in central-southern Italy: geochemical effects, timing and geodynamic implications.	Geol.,	27,	315-318.
00-0141	Altherr, R., Henjes-Kunst, F., Langer, C. and Otto, J.,	1999,	Interaction between crustal-derived felsic and mantle-derived mafic magmas in the Oberkirch Pluton (European Variscides, Schwarzwald, Germany)	Contrib. Mineral Petrol.,	137,	304-322.
00-0142	Streck, M. J. and Grunder, A.L.,	1999,	Enrichment of basalt and mixing of dacite in the rootzone of large rhyolite chamber: inclusions and pumices from the Rattlesnake Tuff, Oregon.	Contrib. Mineral Petrol.,	136,	193-212.
00-0143	Knesel, K.M. and Davidson, J.P.,	1999,	Sr isotope systematics during melt generation by intrusion of basalt into continental crust.	Contrib. Mineral Petrol.,	136,	285-295.
00-0144	Lupulescu, A. and Watson, E. B.,	1999,	Low melt fraction connectivity of granitic and tonalitic melts in mafic crust rock at 800°C and 1 Gpa	Contrib. Mineral Petrol.,	134,	202-216.
00-0145	Wallace, P.J. and Carmichael, I.S.E.,	1999,	Quaternary volcanism near the Valley of Mexico: implications for subduction zone magmatism and the effects of crustal thickness variations on primitive magma compositions.	Contrib. Mineral Petrol.,	135,	291-314.

00-0148	McCormick, K.A. and McDonald, A.M.,	1999,	Chlorine-bearing amphiboles from the Fraser mine, Sudbury, Ontario, Canada: description and crystal chemistry.	The Canadian Mineral.	37,	1385-1403.
00-0150	Tett, S.F.B., Stott, P.A., Allen, M.R., Ingram, W.J. and Mitchell, J.F.B.,	1999,	Causes of twentieth-century temperature change near the Earth's surface.	Nat.,	399,	569-572.
00-0151	Sahagian, D.,	1999,	Magma fragmentation in eruptions.	Nat.,	402,	589-591.
00-0152	Kunz, J.,	1999,	Is there solar argon in the Earth's mantle.	Nat.,	399,	649-650.
00-0154	Peacock, S.M. and Hervig, R.L.,	1999,	Boron isotopic composition of subduction-zone metamorphic rocks.	Chem. Geol.,	160,	281-290.
00-0155	Chan, L.H., Leeman, W.P. and You, C.-F.,	1999,	Lithium isotopic composition of Central American Volcanic Arc lavas: implications for modification of subarc mantle by slab-derived fluids.	Chem. Geol.,	160,	255-280.
00-0156	Takagi, T., Orihashi, Y., Naito, K. and Watanabe, Y.,	1999,	Petrology of a mantle-derived rhyolite, Hokkaido, Japan.	Chem. Geol.,	160,	425-445.
00-0158	Marsaglia, K.M., Mann, P. H., Hyatt, R.J. and Olson, H.C.,	1999,	Evaluating the influence of aseismic ridge subduction and accretion (?) on detrital modes of forearc sandstone: an example from the Kronotsky Peninsula in the Kamchatka Forearc.	Lithos,	46,	17-42.
00-0159	Barr, S.R., Temperley, S. and Tarney, J.,	1999,	Later growth of the continental crust through deep level subduction-accretion: a re-evaluation of central Greek Rhodope.	Lithos,	46,	69-94.
00-0160	Condie, K.C.,	1999,	Mafic crustal xenoliths and the origin of the lower continental crust.	Lithos,	46,	95-101.
00-0161	Hollings, P., Wyman, D. and Kerrich, R.,	1999,	Komatiite-basalt-rhyolite volcanic associations in Northern Superior Province	Lithos,	46,	137-161.
00-0162	Pressley, R.A. and Brown, M.,	1999,	The Phillips pluton, Maine, USA: evidence of heterogeneous crustal sources and implications for granite ascent and emplacement mechanisms in convergent orogens.	Lithos,	46,	335-366.
00-0163	Piccoli, P.M., Candela, P.A. and Williams, T.J.,	1999,	Estimation of aqueous HCl and Cl concentrations in felsic systems.	Lithos,	46,	591-604.
00-0164	Dodson, A. and Brandon, A.D.,	1999,	Radiogenic helium in xenoliths from Simcoe, Washington, USA: implications for metasomatic processes in the mantle wedge above subduction zones.	Chem. Geol.,	160,	371-385.
00-0165	Dobrzynetska, L., Bozhilov, K.N. and Green II, H.W.,	1999,	The solubility of TiO <sub>2</sub> in olivine: implications for the mantle wedge environment.	Chem. Geol.,	160,	357-370.
00-0166	Benito, R., Lopez-Ruiz, J., Cebria, J.M., Hertogen, J., Doblado, M., Oyarzun, R. and Demaiffe, D.,	1999,	Sr and O isotope constraints on source and crustal contamination in the high-K calc-alkaline and shoshonitic Neogene volcanic rocks of SE Spain.	Lithos,	46,	773-802.
00-0167	Zeck, H.P., Kristensen, A.B. and Williams, I.S.,	1999,	Erratum, Erratum to "Post-collisional volcanism in a sinking slab setting: crustal anatexis origin of pyroxene-andesite magma, Caldera Volcanic Group, Neogene Alboran volcanic province, southeastern Spain"	Lithos,	47,	217-218.
00-0168	Watanabe, T., Koyaguchi, T. and Seno, T.,	1999,	Tectonic stress controls on ascent and emplacement of magmas.	J. Volcan. Geotherm. Res.,	91,	65-78.
00-0174	Fein, J.B., Brady, P.V., Jain, J.C., Dorn, R.I. and Lee, J.-U.	1999,	Bacterial effects on the mobilization of cations from a weathered Pb-contaminated andesite.	Chem. Geol.,	158,	189-202.
00-0175	Shinjo, R.,	1999,	Geochemistry of high Mg andesites and the tectonic evolution of the Okinawa Trough-Ryukyu arc system.	Chem. Geol.,	157,	69-88.
00-0176	Harry, D.L. and Green, N.L.,	1999,	Slab dehydration and basalt petrogenesis in subduction systems involving very young oceanic lithosphere.	Chem. Geol.,	160,	309-333.
00-0177	Rapp, R.P., Shimizu, N., Norman, M.D. and Applegate, G.S.,	1999,	Reaction between slab-derived melts and peridotite in the mantle wedge: experimental constraints at 3.8 GPa.	Chem. Geol.,	160,	335-356.
00-0178	Becker, H., Jochum, K.P. and Carlson, R.W.,	1999,	Constraints from high-pressure veins in eclogites on the composition of hydrous fluids in subduction zones.	Chem. Geol.,	160,	291-308.
00-0180	Brandon, A.D., Becker, H., Carlson, R.W. and Shirey, S.B.,	1999,	Isotopic constraints on time scales and mechanisms of slab material transport in the mantle xenoliths, Washington, USA.	Chem. Geol.,	160,	387-407.
00-0182	Parkinson, I.J. and Arculus, R.J.,	1999,	The redox state of subduction zones: insights from arc-peridotites.	Chem. Geol.,	160,	409-423.
00-0189	Hekinian, R., Stoffers, P., Ackermann, D., Revillon, S., Maia, M. and Bohn, M.,	1999,	Ridge-host interaction: the Pacific-Antarctic Ridge and the foundation seamounts	Mar. Geol.,	160,	199-223.
00-0190	Baraza, J., Ercilla, G. and Nelson, C.H.,	1999,	Potential geologic hazards on the eastern Gulf of Cadiz slope (SW Spain).	Mar. Geol.,	155,	191-215.
00-0211	Blair, T. C. and McPherson, J. G.,	1999,	Grain-size and textural classification of coarse sedimentary particles.	J. Sedimentary Res.,	69,	6-19.
00-0222	Hauri, E.,	1999,	One more time, from the top.	Nat.,	402,	469.
01-008	Koyaguchi, T. and Kaneko, K.,	1999,	A two-stage thermal evolution model of magmas in continental crust.	J. Petrol.,	40,	241-254.
01-009	Knesel, K. M., Davidson, J. P. and Duffield, W.A.,	1999,	Evolution of silicic magma through assimilation and subsequent recharge: evidence from Sr isotopes in sanidine phenocrysts, Taylor Creek rhyolite, NM.	J. Petrol.,	40,	773-786.
02-0002	Signorelli, S., Vaggelli, G., Francalanci, L., Rosi, M.,	1999,	Origin of magmas feeding the Plinian phase of the Campanian Ignimbrite eruption, Phlegrean Fields (Italy): constraints based on matrix-glass and glass-inclusion composition.	J. Volcan. Geotherm. Res.,	91,	199-220.
02-0094	Chadwick, W.W., Gregg, T.K.P., and Embley, R.W.,	1999,	Submarine lineated sheet flows: a unique lava morphology formed on subsiding lava ponds.	Bull. Volcanol.,	61,	194-206.
02-0156	Morgan, J.K., and Boettcher, M.S.,	1999,	Numerical simulations of granular shear zones using the distinct element method 1. Shear zone kinematics and the micromechanics of localization.	J. Geophys. Res.,	104,	2703-2719.
02-0157	Morgan, J.K.,	1999,	Numerical simulations of granular shear zones using the distinct element method 2. Effects of particle size distribution and interparticle friction on mechanical behavior.	J. Geophys. Res.,	104,	2721-2732.
03-0023	Jackson, M.C., Frey, F.A., Garcia, M.O., and Wilmoth, R.A.,	1999,	Geology and geochemistry of basaltic lava flows and dikes from the Trans-Koolau tunnel, Oahu, Hawaii.	Bull. Volcanol.,	60,	381-401.
03-0039	Resing, J.A., and Sansone, F.J.,	1999,	The chemistry of lava-seawater interactions: the generation of acidity.	Geochim. et Cosmochim.	63,	2183-
03-0048	Hammer, J.E., Cashman, K.V., and Hoblitt, R.P.,	1999,	Degassing and microlite crystallization during pre-climatic events of the 1991 eruption of Mt. Pinatubo, Philippines.	Bull. Volcanol.,	60,	355-380.

(Marine volcanology, Kumamoto Univ.)

03-0049	Chadwick, W.W.Jr., Gree, T.K.P., and Embley, R.W.,	1999,	Submarine lineated sheet flows: a unique lava morphology formed on subsiding lava pons.	Bull. Volcanol.,	61,	194-206.
03-0056	Greenough, J.D., Lee, C.-Y. and Fryer B.J.,	1999,	Evidence for volatile-influenced differentiation in a layered alkali basalt flow, Penghu Islands, Taiwan.	Bull. Volcanol.,	60,	412-424.
03-0057	Papale, P., and Polacci, M.,	1999,	Role of carbon dioxide in the dynamics of magma ascent in explosive eruptions.	Bull. Volcanol.,	60,	583-594.
03-0083	Cashman, K.V., Thornber, C., and Kauahikaua, J.P.,	1999,	Cooling and crystallization of lava in open channels, and the transition of pahoehoe lava to Aa.	Bull. Volcanol.,	61,	306-323.
03-0136	Smith, D.K., and Cann, J.R.,	1999,	Constructing the upper crust of the Mid-Atlantic ridge: a reinterpretation based on the Puna Ridge, Kilauea Volcano.	J. Geophys. Res.,	104,	25379-25399.
03-0144	Walker, G.P.L.,	1999,	Volcanic rift zones and their intrusion swarms.	J. Volcanol. Geotherm.	94,	21-34.
03-0145	Carracedo, J.C.,	1999,	Growth, structure, instability and collapse of Canarian volcanoes and comparisons with Hawaiian volcanoes.	J. Volcanol. Geotherm. Res.,	94,	1-19.
03-0164	Tanner, L.H., and Calvari, S.,	1999,	Facies analysis and depositional mechanisms of hydroclastite breccias, Acicastello, eastern Sicily.	sedimentary geol.,	129,	127-141.
04-022	Guyodo, Y., and Valet, J.-P.,	1999,	Global changes in intensity of the Earth's magnetic field during the past 800 kyr.	Nat.,	399,	249-252.
04-027	McMurtry, G.M., Herrero-Bervera, E., Cremer, M.D., Smith, J.R., Resig, J., Sherman, C., and Terresan, M.E.,	1999,	Stratigraphic constraints on the timing and emplacement of the Alika 2 giant Hawaiian submarine landslide.	J. Volcanol. Geotherm. Res.,	94,	35-58.
04-034	Polacci, M., Cashman, K.V., and Kauahikaua, J.P.,	1999,	Textural characterization of the Pahoehoe-a'a transition in Hawaiian basalt.	Bull. Volcanol.,	60,	595-609.
04-073	Guyodo, Y., and Valet, J.-P.,	1999,	Integration of volcanic and sedimentary records of paleointensity: constraints imposed by irregular eruption rates.	Geophys. Res. Lett.,	26,	3669-3672.
05-020	Webster, J.D., Kinzler, R.J., and Mathez, E.A.,	1999,	Chloride and water solubility in basalt and andesite melts and implications for magmatic degassing.	Geochim. et Cosmochim. Acta.,	63,	729-738.
05-051	Buttner, R., Dellino, P., and Zimanowski, B.,	1999,	Identifying magma-water interaction from the surface features of ash particles.	Nat.,	401,	688-690.
05-057	Davies, S., and Hall, P.,	1999,	Fractal analysis of surface roughness by using spatial data.	J.R.Statist. Soc. B,	61,	3-37.
06-1006	Prouteau, G., Scaillet, B., Pichavant, M., Maury, R.,	1999,	Fluid-present melting of oceanic crust in subduction zones.	Geol.,	27,	1111-1114.
06-1009	Candela, P.A., Bouton, S.L.,	1999,	The influence of oxygen fugacity on tungsten and molybdenum partitioning between silicate melts and ilmenite.	Economic Geol.,	85,	633-649.
06-1060	Fujioka, K., Okino, K., Kanamatsu, T., Ohara, Y., Ishizuka, O., Haraguchi, S., Ishii, T.,	1999,	Enigmatic extinct spreading center in the West Philippine backarc basin unveiled.	Geology,	27,	1135-1138.
06-3042	Houghton, B.F., Wilson, C.J.N., Smith, I.E.M.,	1999,	Shallow-seated controls on styles of explosive basaltic volcanism: a case study from New Zealand.	J. Volcanol. Geotherm. Res.	91,	97-120.
06-3068	White, J.D.L., Schmincke, H.-U.,	1999,	Phreatomagmatic eruptive and depositional processes during the 1949 eruption on La Palma (Canary Islands).	J. Volcanol. Geotherm. Res.	94,	283-304.
06-3070	Houghton, B.F., Wilson, C.J.N., Smith, I.E.M.,	1999,	Shallow-seated controls on styles of explosive basaltic volcanism: a case study from New Zealand.	J. Volcanol. Geotherm. Res.	91,	97-120.
06-3150	Milkov, A., Vogt, P., Cherkashev, G., Ginsburg, G., Chernova, N., Andriashev, A.,	1999,	Sea-floor terrains of Hakon Mosby mud volcano as surveyed by deep-tow video and still photography.	Geo-Marine Letters,	19,	38-47.
07-004	Fryer, P., Wheat, C.G., Mottl, M.J.,	1999,	Mariana blueschist mud volcanism: implications for conditions within the subduction zone.	Geol.,	27,	103-106.
07-098s	Tepley III, F.J., Davidson, J.P., Clynne, M.A.,	1999,	Magma interactions as recorded in plagioclase phenocrysts of Chaos Crags, Lassen Volcanic center, California.	Jour. Petrol.,	40,	787-806.
07-210	Worthington, T.J., Gregory, M.R., Bondarenko, V.,	1999,	The Denham caldera on Raoul volcano: dacitic volcanism in the Tong-Kermadec arc.	J. Volcanol. Geother. Res.,	90,	29-48.
07-211	Wright, I.C., Gamble, J.A.,	1999,	Southern Kermadec submarine caldera arc volcanoes (SW Pacific): caldera formation by effusive and pyroclastic eruption.	Marine Geol.,	161,	207-227.
07-224	Price, R.C., Stewart, R.B., Woodhead, J.D., Smith, I.E.M.,	1999,	Petrogenesis of high-K arc magmas: evidence from Egmont volcano, North Island, New Zealand.	J. Petrol.,	40,	167-197.
07-243	Watts, R.B., de Silva, S.L., de Rios, G.J., Croudace, I.,	1999,	Effusive eruption of viscous silicic magma triggered and driven by recharge: a case study of the Cerro Chasco-Runtu Jarita dome complex in southwest Bolivia.	Bull. Volcanol.,	60,	241-264.
08-110	Knesel, K.M., Davidson, J.P., Duffield, W.A.,	1999,	Evolution of silicic magma through assimilation and subsequent recharge: evidence from Sr isotopes in Sanidine phenocrysts, Taylor Creek rhyolite, NM.	J. Petrol.,	40,	773-786.
08-192	西村宗, 安藤雅孝, 宮崎真一,	1999,	南海トラフ沿いのプレート間カップリングと九州南部の南東向き運動について	地震 2,	51,	443-446.
08-304	Takarada, S., Ui, T., Yamamoto, Y.,	1999,	Depositional features and transportation mechanism of valley-filling Iwasegawa and Kaida debris avalanches, Japan.	Bull. Volcanol.,	60,	508-522.
09-015	Yamamoto, T., Kobayashi, T., Nakasone, K., Nakao, S.,	1999,	Chemosynthetic community at North Knoll, Iheya Ridge, Okinawa Trough.	JAMSTEC J. Deep Sea Res.,	15,	19-24.
09-043	Marti, J., Soriano, C., Dingwell, D.B.,	1999,	Tube pumices as strain markers of the ductile-brittle transition during magma fragmentation.	Nature,	402,	650-653.
10-095	Nakada, S., Shimizu, H., Ohta, K.,	1999,	Overview of the 1990-1995 eruption at Unzen Volcano.	Journal of volcanology and Geothermal research,	89,	1-22.
10-101	Iizasa, K., Fiske, R.S., Ishizuka, O., Yuasa, M., Hashimoto, J., Ishibashi, J., Naka, J., Horii, Y., Fujiwara, Y., Imai, A., Koyama, S.,	1999,	A Kroko-type polymetallic sulfide deposit in a submarine silicic caldera.	Science,	283,	975-977.
10-106	木村政昭, Yugang, W., 八木秀憲,	1999,	琉球弧海域の海底地質構造および発達史.	地質ニュース,	543,	24-38.
10-131	Kusumoto, S., Takemura, K., Fukuda, Y., Takemoto, S.,	1999,	Restoration of the depression structure at the eastern part of central Kyushu, Japan by means of dislocation modeling.	Tectonophysics,	302,	287-296.

10-132	Altis, S.,	1999,	Interpretations of a Middle Miocene and late Quaternary steady dextral transpression in SW Japan and the opening tectonics for the Japan Sea.	Tetonophysics,	302,	257-285.
10-259	S. Altis *	1999,	Interpretations of a Middle Miocene and late Quaternary steady dextral transpression in SW Japan and the opening tectonics for the Japan Sea	Tectonophysics,	302,	257-285.
10-277	M. S. Ramsey 7 J. H. Fink	1999,	Estimating silicic lava vesicularity with thermal remote sensing: a new technique for volcanic mapping and monitoring	Bull volcanol,	61,	32-39.
10-303	P. Fryer, C. G. Wheat and M. J. Mottl	1999,	Mariana blueschist mud volcanism: Implications for conditions within the subduction zone.	Geology,	27,	103-106.
10-311	J.-C. Thouret,	1999,	Volcanic geomorphology—an overview	Earth-Science Reviews,	47,	95-131.
10-347	Shigekazu Kusumoto , Keiji Takemura, Yoichi Fukuda, Shuzo Takemoto	1999,	Restoration of the depression structure at the eastern part of central Kyushu, Japan by means of dislocation modeling	Tectonophysics,	302,	287-296.
10-413	R. B. Watts 7 S. L. de Silva 7 G. Jimenez de Rios I. Croudace,	1999,	Effusive eruption of viscous silicic magma triggered and driven by recharge: a case study of the Cerro Chasco-Runtu Jarita Dome Complex in Southwest Bolivia.	Bull volcanol,	60,	241-264.
10-429	John R. Smith ), Alexander Malahoff, Alexander N. Shor	1999,	Submarine geology of the Hilina slump and morpho-structural evolution of Kilauea volcano, Hawaii.	Journal of Volcanology and Geothermal Research,	94,	59-88.
10-447	Hiroshi Ujiie, Yurika Ujiie,	1999,	Late Quaternary course changes of the Kuroshio Current in the Ryukyu Arc region, northwestern Pacific Ocean.	Marine Micropaleontology,	37,	23-40.
10-451	Setsuya Nakada a.), Hiroshi Shimizu b, Kazuya Ohta	1999,	Overview of the 1990–1995 eruption at Unzen Volcano.	Journal of Volcanology and Geothermal Research,	89,	1-22.
10-535	Tomoko YAMAMOTO * I Tetsuo KOBAYASHI Kaoru NAKASONE * 3 Seizo NAKAO	1999,	Chemosynthetic community at North Knoll, Iheya Ridge, Okinawa Trough.	JAMSTEC J. Deep Sea Res	15,	19-24.
99-0604	Price, R.C., Stewart, R.B., Woodhead, J.D. and Smith, I.E.,	1999,	Petrogenesis of High-K arc magmas: evidence from Egmont volcano North Island, New Zealand:	J. Petrol.,	40,	167-197.
99-0906	Clynne, M. A.,	1999,	A complex magma mixing origin for rocks erupted in 1915, Lassen Peak, California:	J. Petrol.,	40,	105-132.
99-1209	Inanaga, A., Mikami, T., Watanabe, M. and Nakayama, Y.,	1999,	Usage of nocturnal LANDSAT/TM thermal images in analysis of thermal belt formation - a case study on the southern slope of Mt. Akagi- (In Japanese, with English abstract):	J. Geogr.	108,	65-75.
99-1210	Falloon, T.J., Green, D.H., Jacques, L. and Hawkins, J.W.,	1999,	Refractory magmas in back-arc basin settings--experimental constrains on the petrogenesis of a Lau Basin example:	J. Petrol.,	40,	255-277.
99-1211	Becker, H., Wenzel, T. and Volker, F.,	1999,	Geochemistry of glimmerite veins in peridotites from Lower Austria implications for the origin of K-rich magmas in collision zones:	J. Petrol.,	40,	315-338.
99-1212	Koyama, M.,	1999,	地震学や火山学は、なぜ防災・減災に十分役立たないのか	科学	69,	256-264.
99-1223	Lupulescu, A. and Watson, E.B.,	1999,	Low melt fraction connectivity of granitic and tonalitic melts in a mafic crustal rock at 800 Cand 1 Gpa:	Contrib. Mineral.Petrol.,	134,	202-216.
99-1224	Scaillet, B. and Evans, B. W.,	1999,	The 15 June 1991 eruption of Mount Pinatubo. I. Phase equilibria and pre-eruption P-T-fO <sub>2</sub> -fH <sub>2</sub> O conditions of the Dacitic magma	J.Petrology,	40,	381-411.
99-1225	Tegener, C., Robins, B., Reginiussen, H. and Grundvig, S.,	1999,	Assimilation of crustal xenoliths in a basaltic magma chamber: Sr and Nd isotopic constraints from the Hasvik Layered Intrusion, Norway:	J. Petrology,	40,	363-380.
99-1228	White, A.J.R., Chappell, B.W. and Wyborn, D.,	1999,	Application of the restite model to the Deddick Granodiorite and its enclaves a reinterpretationof the observations and data of Maas et al. (1997):	J. Petrology,	40,	413-421.
99-1231	Martin, H.,	1999,	Adakitic magmas: modern analogues of Archaean granitoids:	Lithos,	46,	411-429.
99-1232	Condie, K.C.,	1999,	Mafic crustal xenoliths and the origin of the lower continental crust:	Lithos,	46,	95-101.
99-1233	Marsaglia, K.M., Mann, P., Hyatt, R.J. and Olson, H.C.,	1999,	Evaluating the influence of aseismic ridge subduction and accretion (?) on detrital modes of forearc sandstone:an example from the Kronotsky Peninsula in the Kamchatka Fotearc:	Lithos,	46,	17-42.
99-1234	Shinjo, R.,	1999,	geochemistry of high Mg andesites and the tectonic evolution of the Okinawa Trough- Ryukyu arc system:	Chem. Geol.,	157,	69-88.
99-1235	Ertan, I.E. and Leeman, W.P.,	1999,	Fluid inclusions in mantle and lower crustal xenoliths from the Simcoe volcanic field, Washington:	Chem. Geol.,	154,	83-95.
99-1238	Preston, R.J., dempster, T.J., Bell, B.R. and Rogers, G.,	1999,	The petrology of mullite-bearing peraluminous xenoliths: implications for contamination processes in basaltic magmas:	J. Petrology,	40,	549-573.
99-1239	Hollings, P., Wyman. D. and Kerrich, R.,	1999,	Komatiite-basalt-rhyolite volcanic associations in Northern Superior Province greenstone belts: significance of plume-arc interaction in the generation of the proto continental Superior Province:	Lithos,	46,	137-161.
99-1251	Sigmundsson, F.,	1999,	Opening of an eruptive fissure and seaward displacement atrbPiton de la Fournaise volcano measured by RADARSAT satellite radarvinterferometry:	Geophy.Res. Lett.,	26,	533-536.
99-1257	Chyo, T.(趙大鵬, 越智富美子, 浅森浩一),	1999,	西南日本の深部構造と地震・火山との関係	月刊地球,	21,	205-211.
99-1258	Fujii, N. (藤井直之),	1999,	沈み込み帯における物質循環－下部地殻が鍵を握る?	月刊地球,	21,	248-
99-1259	Sagiya, T. (鷲谷威, 宮崎真一, 多田堯)	1999,	GPSで見た日本列島の变形:	月刊地球,	21,	236-243.
99-1260	Yoshioka, S. (吉岡祥一, 伊藤武男, 宮崎真一),	1999,	GPSデータを用いた西南日本におけるプレート間カップリングの推定:	月刊地球,	21,	197-204.
99-1261	Tatsumi, Y., Arai, R. and Ishizaka, K.,	1999,	The petrology of a Melilite-Olivine nephelinite from Hamada, SW Japan:	J. Petrol.,	40,	497-509.
99-1262	Lucassen, F., Lewerenz, S., Franz, G., Viramonte, J. and Mezger, K.,	1999,	Metamorphism, isotopic ages and composition of lower crustal granulite xenoliths from the Cretaceous Salta Rift, Argentina:	Contrib.Mineral. Petrol.,	134,	325-341.
99-1281	Davies, J.H.,	1999,	The rolr of hydraulic fractures and intermediate-depth earthquakes in generatin subduction-zone magmatism:	Nature,	398,	142-145.
99-1282	Hieronymus, C.F. and Bercovici, D.,	1999,	Discrete altering hotpot islands formed by interaction of magma transport and lithospheric flexure:	Nature,	397,	604-607.
99-1287	Tatsumi, Y.,	1999,	沈み込みプレートが融解して高Mg安山岩が生まれる。:	科学	岩波	537-
99-1288	Nishimura, S., Ando, M. and Miyazaki, S.,	1999,	Inter\plate coupling along the Nankai Trough and southeastward motion along southern part of Kyushu (In Japanese, with English abstract):	地震,	51,	443-456.

- 99-1292 Knesel, K.M., Davidson, J.P. and Duffield, W.A., 1999, Evolution of silicic magma through assimilation and subsequent recharge: evidence from Sr isotopes in sanidine phenocrysts, Taylor Creek Rhyolite, NM: *J. Petrol.*, 40, 773-786.
- 99-1293 Norman, M.D. and Garcia, M.O., 1999, Primitive magmas and source characteristics of the Hawaiian plume petrology and geochemistry of shield picrites: *Earth Planet.Sci.Lett.*, 168, 27-44.
- 99-1294 Wyman, D.A., 1999, Paleoproterozoic boninites in an ophiolite-like setting, Trans-Hudson orogen, Canada: *Geology*, 27, 455-458.
- 99-1295 Tepley III, F.J., Davidson, J.P. and Clyne, M.A., 1999, Magmatic interactions as recorded in plagioclase phenocrysts of Chaos Crags, Lassen Volcanic Center, California: *J. Petrol.*, 40, 787-806.
- 99-1326 Aoike, K., 1999, 伊豆衝突帯の構造発達: *Res. Rep. Kanagawa prefect. Mus. Nat. Hist.*, 9, 111-151.
- 99-1327 Arima, M., Aoike, K. and Kawate, S., 1999, 丹沢山地の構造発達: *Res. Rep. Kanagawa prefect. Mus. Nat. Hist.*, 3, 57-77.
- 99-1334 Wolff, J.A., Ramos, F.C. and Davidson, J.P., 1999, Sr isotopic disequilibrium during differentiation of the Bandelier Tuff: constraints on the crystallization of a large rhyolitic magma chamber: *Geology*, 27, 495-498.
- 99-1336 Irber, W., 1999, The lanthanide tetrad effect and its correlation with K/Rb, Eu/Eu\*, Sr/Eu, Y/Ho, and Zr/Hf peraluminous granite suites: *Geochim. et Cosmochim. Act.*, 63, 489-508.
- 99-1337 Bindeman, I.N. Bailey, J.C., 1999, Trace elements in anorthite megacrysts from Kurile Island Arc: a window to across-arc geochemical variations in magma compositions: *Earth Planet. Sci. Lett.*, 169, 209-226.
- 99-1359 Nohda, S., 1999, Precise isotopic measurements of lead by fused silica-gel: *Geochem. J.*, 33, 133-139.
- 99-1391 Maaløe, S., 1999, Magma accumulation in Hawaiian plume sources. *Amer. Jour. Sci.*, 299, 139-156.
- 99-1392 Ulrich, T., Gunther, D. Heinrich, C.A., 1999, Gold concentrations of magmatic brines and the metal budget of porphyry copper deposits. *Nature*, 399, 676-679.
- 99-1393 Halliday, A.N., 1999, Unmixing Hawaiian cocktails. *Nature*, 399, 733-734.
- 99-1403 Hoshizumi, H., Uto, K. and Watanabe, K., 1999, Geology and eruption history of Unzen volcano, Shimabara Peninsula, Kyushu, SW Japan. *J. Volcanol. Geotherm. Res.*, 89, 81-94.
- 99-1404 Nakada, S. and Motomura, Y., 1999, Petrology of the 1991-1995 eruption at Unzen: effusion pulsation and groundmass crystallization. *J. Volcanol. Geotherm. Res.*, 89, 173-196.
- 99-1405 Miller, T.P., Cherkoff, D.G., Eichelberger, J.C. and Coombs, M.L., 1999, Mount Dutton volcano, Alaska: Aleutian arc analog to Unzen volcano, Japan. *J. Volcanol. Geotherm. Res.*, 89, 275-301.
- 99-1406 Benito, R., Lopez-Ruiz, J., Cebria, J.M., Hertogen, J., Doblaz, M., Oyarzun, R. and Demaiffe, D., 1999, Sr and O isotope constrains on source and crustal contamination in the high-K calc-alkaline and shoshonitic neogene volcanic rocks of SE Spain. *Lithos*, 46, 773-802.
- 99-1407 Chen, C.-H., Nakada, S., Shieh, Y.-N. and DePaolo, D.J., 1999, The Sr, Nd and O isotopic studies of the 1991-1995 eruption at Unzen, Japan. *J. Volcanol. Geotherm. Res.*, 89, 243-253.
- 99-1408 Signorelli, S. and Capaccioni, B., 1999, Behaviour of chlorine prior and during the 79 A.D. Plinian eruption of Vesuvius (southern Italy) as inferred from the present distribution in glassy mesostases and whole pumices. *Lithos*, 46, 715-730.
- 99-1409 Condie, K.C., 1999, Mafic crustal xenoliths and the origin of the lower continental crust. *Lithos*, 46, 95-101.
- 99-1411 Feldstein, S.N. and Lange, R.A., 1999, Pliocene potassic magmas from the Kings River region, Sierra Nevada, California: evidence for melting of a subduction modified mantle. *J. Petrol.*, 40, 1301-1320.
- 99-1412 Bai, T.B. and Koster van Groos, A.F., 1999, The distribution of Na, K, Rb, Sr, Al, Ge, Cu, W, Mo, La, and Ce between granitic melts and coexisting aqueous fluids. *Geochim. et Cosmochim. Act.*, 63, 1117-1131.
- 99-1413 Jung, S., Hoernes, S., Masberg, P. and Hoffer, E., 1999, The petrogenesis of some migmatites and granites (Central Damara Orogen, Namibia): evidence for disequilibrium melting, wall-rock contamination and crystal fractionation. *J. Petrol.*, 40, 1241-1269.
- 99-1414 Bea, F. and Montero, P., 1999, Behavior of accessory phases and redistribution of Zr, REE, Y, Th, and U during metamorphism and partial melting of metapelites in the lower crust: an example from the Kinzigite Formation of Ivrea-Verbano, NW Italy. *Geochim. et Cosmochim. Act.*, 63, 1133-1153.
- 99-1415 Vlastelic, I., Aslanian, D., Dosso, L., Bougault, H., Olivet, J.L. and Geli, L., 1999, Large-scale chemical and thermal division of the Pacific mantle. *Nature*, 399, 345-350.
- 99-1416 Ulrich, T., Gunther, D. Heinrich, C.A., 1999, Gold concentrations of magmatic brines and the metal budget of porphyry copper deposits. *Nature*, 399, 676-679.
- 99-1419 Ernst, W.G., 1999, Horblende, the continent maker - evolution of H<sub>2</sub>O during circum-Pacific subduction versus continental collision. *Geology*, 27, 675-678.
- 99-1420 Landi, P., Bertagnini, A. and Rosi, M., 1999, Chemical zoning and crystallization mechanisms in the magma chamber of the Pomice di Base plinian eruption of Somma-Vesuvius (Italy). *Contrib. Mineral. Petrol.*, 135, 179-197.
- 99-1427 Cottrell, E., Grander, J.E. and Rutherford, M.J., 1999, Petrologic and experimental evidence for the movement and heating of the pre-eruptive Minoan rhyodacite (Santorini, Greece). *Contrib. Mineral. Petrol.*, 135, 315-331.
- 99-1428 Wallace, P.J. and Carmichael, I.S.E., 1999, Quaternary volcanism near the Valley of Mexico: implications subduction zone magmatism and the effects of crustal thickness variations on primitive magma compositions. *Contrib. Mineral. Petrol.*, 135, 291-314.
- 99-1429 Schmidberger, S.S. and Henger, E., 1999, Geochemistry and isotope systematics of calc-alkaline volcanic rocks from the Saar-Nahe basin (SW Germany) - implications for Late Variscan orogenic development. *Contrib. Mineral. Petrol.*, 135, 373-385.
- 99-1430 Nimis, P., 1999, Clinopyroxene geobarometry of magmatic rocks. Part 2. structural geobarimeters for basic to acid, tholeiitic and mildly alkaline magmatic systems. *Contrib. Mineral. Petrol.*, 135, 62-74.
- 99-1431 Brophy, J.G., Whittington, C.S. and Park, Y.-R., 1999, Sector-zoned augite megacrysts in Aleutian high alumina basalts: implications for the conditions of basalt crystallization and the generation of calc-alkaline series magmas. *Contrib. Mineral. Petrol.*, 135, 277-290.
- 99-1432 Wang, K.-L., Chung, S.-L., Chen, C.-H., Shinjo, R., Yang, T.F. and Chen, C.-H., 1999, Post-collisional magmatism around northern Taiwan and its relation with opening of the Okinawa Trough. *Tectonophys.*, 308, 363-376.
- 99-1437 Streck, M.J. and Grunder, A.L., 1999, Enrichment of basalt and mixing of dacite in the rootzone of a large rhyolite chamber: inclusions and pumices from the Rattlesnake Tuff, Oregon. *Contrib. Mineral. Petrol.*, 136, 193-212.
- 99-1438 Knesel, K.M. and Davidson, J.P., 1999, Sr isotope systematics during melt generation by intrusion of basalt into continental crust. *Contrib. Mineral. Petrol.*, 136, 285-295.

99-1452	Hobden, B.J., Houghton, B.F., Davidson, J.P. and Weaver, S.D.,	1999,	Small and short-lived magma batches at composite volcanoes: time windows at To	Jour. Geol. Soc.Lond.	156,	865-868.
99-1460	Pearce, J.A., Kempton,P.D., Nowell, G.M. and Noble, S.R.,	1999,	Hf-Nd element and isotope perspective on the nature and provenance of mantle and subduction components in Western Pacific Arc-Basin Syatems.	J. Petrology,	40,	1579-1611.
99-1461	Dall'agnol, R. Scaillet, B. and Pichavant	1999,	An experimental study of a lower Proterozoic A-type granite from the Eastern Amazonian Craton, Brazil.	J.Petrology,	40,	1673-1698.
12-054	George P.L. Walker	1999,	Volcanic rift zones and their intrusion swarms.	Journal Volcanol Geothermal Res.,	94,	21-34.
12-257	David B. Prior a.), James R. Hooper	1999,	Sea floor engineering geomorphology: recent achievements and future directions.	Geomorphology,	31,	411-439.
12-258	J.-C. Thouret.	1999,	Volcanic geomorphology—an overview.	Earth-Science Reviews	47,	95-131.
12-285	James D.L. White a.), Hans-Ulrich Schmincke,	1999,	Phreatomagmatic eruptive and depositional processes during the 1949 eruption on La Palma (Canary Islands).	Journal of Volcanology and Geoyhermal Research,	94,	283-304.
12-300	Marc D. Norman, Micheal O. Garcia,	1999,	Primitive magmas and source characteristics of the Hawaiian Plume petrology and geochemistry of shield picrites.	Earth and planetary Science Letters,	168,	27-44.
12-403	T.W. Sisson* and C. R. Bacon,	1999,	Gas-driven filter pressing in magma.	Geology,	27,	613-616.
12-534	Jonathan J. Wylie, I Barry Voight J. A. Whitehead,	1999,	Instability of magma flow from volatile-dependent viscosity.	Science,	285,	1883-1885.
12-542	Paul J. Wallace	1999,	Gradients in H <sub>2</sub> O, CO <sub>2</sub> , and exsolved gas in a large-volume silicic magma system: Interpreting the record preserved in melt inclusions from the Bishop Tuff.	Journal of Geophysical Research,	104,	20097-20122.
12-547	Oleg E. Melnik	1999,	Fragmenting magma.	Nature,	397,	394-395.
12-571	Ichiro SUNAGAWA	1999,	Growth and morphology of crystals.	Forma,	14,	147-166.
12-b019	Forger P. Denlinger, Richard P. Hoblitt,	1999,	Cyclic eruptive behavior of silicic volcanoes.	Geology,	27,	459-462.
13-013	James D.L. White a.), Hans-Ulrich Schmincke	1999,	Phreatomagmatic eruptive and depositional processes during the 1949 eruption on La Palma (Canary Islands).	Journal of Volcanology and Geothermal Research,	94,	283-304.
13-033	I.C. Wright a.), J.A. Gamble	1999,	Southern Kermadec submarine caldera arc volcanoes SW Pacific/: caldera formation by effusive and pyroclastic eruption.	Marine Geology,	161,	207-227.
13-075	Bao-fu Han a.), Shi-guang Wang a, Hiroo Kagami	1999,	Trace element and Nd-Sr isotope constraints on origin of the Chifeng flood basalts, North China.	Chemical Geology,	155,	187-199.
15-028	S. Altis	1999,	Interpretations of a Middle Miocene and late Quaternary steady dextral transpression in SW Japan and the opening tectonics for the Japan Sea	Tectonophysics,	302,	257-285.
15-152	帆秋利洋 丸山正	1999,	浅海底熱水湧出域における超好熱性細菌の分布と生態	月刊 海洋	19,	180-190.
15-240	J.-C. Thouret	1999,	Volcanic geomorphology—an overview	Earth-Science Reviews,	47,	95-131.
16-107	J.-C. Thouret	1999,	Volcanic geomorphology—an overview	Earth-Science Reviews,	47,	95-131.
00-0130	Poitrasson, F. and Pin, C.,	1998,	Extreme Nd isotope homogeneity in a large rhyolitic province: the Esterel massif, southeast France.	Bull Volcanol.,	60,	213-223.
00-0132	Stevenson, R.J., Bagdassarov, N.S., Dingwell, D.B. and Romano, C.,	1998,	The influence of trace amounts of water on the viscosity of rhyolites.	Bull Volcanol.,	60,	89-97.
00-0214	Masson, D. G., Canals, M., Alonso, B., Urgeles, R. and Huhnerbach, V.,	1998,	The Canary debris flow: source area morphology and failure mechanisms.	Sedimentology,	45,	411-432.
01-010	Weinberg, R. F. and Leitch, A. M.,	1998,	Mingling in mafic magma chambers replenished by light felsic inputs: fluid dynamical experiments.	Earth Planet. Sci. Lett.,	157,	41-56.
02-0023	Delmelle, P., Kusakabe, M., Bernard, A., Fischer, T., de Brouwer, S., del Mundo, E.,	1998,	Geochemical and isotopic evidence for seawater contamination of the hydrothermal system of Taal Volcano, Luzon, the Philippines.	Bull. Volcanol.,	59,	562-576,
02-0043	Brown, S.J.A., Wilson, C.J.N., Cole, J.W., Wooden, J.,	1998,	The Whakamaru group ignimbrites, Taupo Volcanic Zone, New Zealand: evidence for reverse tapping of zoned silici magmatic system.	J.Volcon. Geotherm. Res.,	84,	1-37.
02-0049	Folch, A., Marti, J.,	1998,	The generation of overpressure in felsic magma chambers by replenishment	Earth Planet. Sci. Lett.,	163,	301-314.
02-0050	Snyder, D., Tait, S.,	1998,	The imprint of basalt on the geochemistry of silicic magmas.	Earth Planet. Sci. Lett.,	160,	433-445.
02-0068	Borg, L.E., Clynnne, M.A.,	1998,	The petrogenesis of felsic calc-alkaline magmas from the Southernmost Cascaded, California: Origin by partial melting of basaltic lower crust.	J. Potorology,	39	1197-1222.
02-0144	Garcia, M.O., Rubin, K.H., Norman, M.D., Rhodes,J.M., Graham, D.W., Muenow, D.W., and Spencer, K.,	1998,	Petrology and geochronology of basalt breccia from the 1996 earthquake swarm of Loihi seamount, Hawaii: magmatic history of its 1996 eruption.	Bull. Volcanol.,	59,	577-592.
03-0033	Nisbet, E.G., and Piper, D.J.W.,	1998,	Giant submarine landslides.	Nat.,	392,	329-330.
03-0034	Hilton, D.R., McMurtry, G.M. and Goff, F.,	1998,	Large variations in vent fluid CO <sub>2</sub> /3He ratios signal rapid changes in magma chemistry at Loihi seamount, Hawaii.	Nat.,	396,	359-362.
03-0043	Stevenson, D.S., and Blake, S.,	1998,	Modelling the dynamics and thermodynamics of volcanic degassing.	Bull. Volcanol.,	60,	307-317.
03-0044	Wallace, P.J., and Anderson, A.T. Jr.,	1998,	Effects of eruption and lava drainback on the H <sub>2</sub> O contents of basaltic magmas at Kilauea volcano.	Bull. Volcanol.,	59,	327-344.
03-0045	Smellie, J.L., Millar, I.L., Rex, D.C., and Butterworth, P.J.,	1998,	Subaqueous, basaltic lava dome and carapace breccia on King George Island, South Shetland island, Antarctica.	Bull. Volcanol.,	59,	245-261.
03-0047	Zhang, Y.,	1998,	Experimental simulations of gas-driven eruptions: kinetics of bubble growth and effect of geometry.	Bull. Volcanol.,	59,	281-290.
03-0050	Wright, T.L., and Takahashi, T.J.,	1998,	Hawaii bibliographic database.	Bull. Volcanol.,	59,	276-280.
03-0058	Milia, A., Mirabile, L., Torrente, M.M., and Dvorak, J.J.,	1998,	volcanism offshore of Vesuvius volcano in Naples Bay.	Bull. Volcanol.,	59,	404-413.
03-0099	Falk, P.J. and Dorsey, R.J.,	1998,	Rapid development of gravelly high-density turbidity currents in marine Gilbert-type fan deltas, Loreto Basin, Baja California Sur, Mexico.	Sedimentology,	45,	331-349.
03-0140	Fornari, D.J., Haymon, R.H., Perfit, M.R., Gregg, T.K.P., and Edwards, M.H.,	1998,	Axial summit trough of the East Pacific Rise 9 - 10 N: geological characteristics and evolution of the aial zone on fast spreading mid-ocean ridge.	J. Geophys. Res.,	103,	9827-9855.
03-0141	Chadwick, W.W.Jr., and Embley, R.W.,	1998,	Graben formation associated with recent dike intrusions and volcanic eruptions on the mid-ocean ridge.	J. Geophys. Res.,	103,	9807-9825.

(Marine volcanology, Kumamoto Univ.)

03-0149	Fouquet, Y., Eissen, J.P., Ondreas, H., Barriga, F., Batiza, R., and Danyushevsky, L.,	1998,	Extensive volcanoclastic deposits at the Mid-Atlantic Ridge axis: results of deep-water basaltic explosive volcanic activity.	Terra Nova,	10,	280-286.
03-0161	Dade, W.B., and Huppert, H.E.,	1998,	Long-runout rockfalls.	Geol.,	26,	803-806.
04-005	Ollier, G., Cochnat, P., Lenat, J.F., and Labazuy, P.,	1998,	Deep-sea volcanoclastic sedimentary systems: an example from La Fournaise volcano, Reunion Island, Indian Ocean.	Sedimentology,	45,	293-330.
04-015	Rothwell, R.G., Thomson, J., and Kahler, G.,	1998,	Low-sea-level emplacement of a very large Late Pleistocene 'megaturbidite' in the western Mediterranean Sea.	Nat.,	392,	377-380.
04-046	Cazanaci, D., and Smith N.D.,	1998,	A study of morphology and texture of natural levees-Cumberland Marshes, Saskatchewan, Canada.	Geomorphology,	25,	43-55.
05-052	Villemant, B., and Boudon, G.,	1998,	Transition from dome-forming to plinian eruptive styles controlled by H <sub>2</sub> O and Cl degassing.	Nat.,	392,	65-69.
05-062	Wilson, T.H., and Dominic, J.,	1998,	Fractal interrelationships between topography and structure.	Earth Surf. Process. Landforms,	23,	509-525.
06-030	Davidson, J.P., Tepley III, F.J., and Knesel, K.M.,	1998,	Isotopic fingerprinting may provide insights into evolution of magmatic systems.	EOS, trans. Amer. Geophys. Union,		189,
06-3055	Allen, S.R., Cas, R.A.F.,	1998,	Rhyolitic fallout and pyroclastic density current deposits from a phreatoplinian eruption in the eastern Aegean Sea, Greece.	J. Volcanol. Geotherm. Res.	86,	219-251.
06-3057	Fiske, R.S., Cashman, K.V., Shibata, A., Watanabe, K.,	1998,	Tephra dispersal from Myojinsho, Japan, during its shallow submarine eruption of 1952-1953.	Bull. volcanol.,	59,	262-275.
06-3060	Kano, K.,	1998,	A shallow-marine alkali-basalt tuff cone in the Middle Miocene Jinzai Formation, Izumo, SW Japan.	J. Volcanol. Geotherm. Res.	87,	173-191.
06-3087	Tsukamoto, K., Aoyama, J.,	1998,	Evolution of freshwater eels of the genus <i>Anguilla</i> : a probable scenario.	Environmental Biology of Fishes,	52,	139-148.
06-3093	Kawakami, Y., Mochioka, N., Morishita, K., Tajima, T., Nakagawa, H., Toh, H., Nakazono, A.,	1998,	Factors influencing otolith strontium/calcium ratios in <i>Anguilla japonica</i> eels.	Environmental Biology of Fishes,	52,	299-303.
06-3124	Stern, R.J., Smoot, C.,	1998,	A bathymetric overview of the Mariana forearc.	The Island Arc,	7,	525-540.
06-3142	Usui, A., Glasby, G.P.,	1998,	Submarine hydrothermal manganese deposits in the Izu-Bonin-Mariana arc: An overview.	The Island Arc,	7,	422-431.
07-208	Wright, I.C., de Ronde, C.E.J., Faure, K., Gamble, J.A.,	1998,	Discovery of hydrothermal sulfide mineralization from southern Kermadec arc volcanoes (SW Pacific).	Earth Planet. Sci. Lett.	164,	335-343.
07-221	Shinjo, R.,	1998,	Petrochemistry and tectonic significance of the emerged late Cenozoic basalts behind the Okinawa Troughs Ryukyu arc system.	J. Volcanol. Geother. Res.,	80,	39-53.
08-025	Rubin, D.M., Nelson, J.M., Topping, D.J.,	1998,	Relation of inversely graded deposits to suspended-sediment grain-size evolution during the 1996 flood experiment in Grand Canyon.	Geol.,	26,	99-102.
08-185	Kamata, H.,	1998,	Quaternary volcanofront at the junction of the South-west Japan arc and the Ryukyu arc.	Jour. Asian Earth Sci.,	16,	67-75.
08-447	Manville, V., White, J.D.L., Houghton, B.F., Wilson, C.J.N.,	1998,	The saturation behaviour of pumice and some sedimentological implications.	Sediment. Geol.,	119,	5-16.
09-031	Goto, Y., McPhie, J.,	1998,	Endogenous growth of a Miocene submarine dacite cryptodome, Rebun Island, Hokkaido, Japan.	J. Volcanol. Geotherm. Res.,	84,	273-286.
09-095	Iizasa, K., Kawasaki, K., Maeda, K., Matsumoto, T., Saito, N., Hirai, K.,	1998,	Hydrothermal sulfide-bearing Fe-Si oxyhydroxide deposits from the Coriolis Troughs, Vanuatu backarc, southwestern Pacific.	Marine Geol.,	145,	1-21.
09-096	Kuhn, T., Bau, N., Halbach, P.,	1998,	Origin of negative Ce anomalies in mixed hydrothermal - hydrogenetic Fe-Mn crusts from the Central Indian Ridge.	Earth Planet. Sci., Lett.,	163,	207-220.
09-103	Park, J.-O., Tokuyama, H., Shinohara, M., Suyehiro, K., Taira, A.,	1998,	Seismic record of tectonic evolution and backarc rifting in the southern Ryukyu island arc system.	Tectonophysics,	294,	21-42.
09-103	Park, J.-O., Tokuyama, H., Shinohara, M., Suyehiro, K., Taira, A.,	1998,	Seismic record of tectonic evolution and backarc rifting in the southern Ryukyu island arc system.	Tectonophysics,	294,	21-42.
09-123	Joshima, M., Usui, A.,	1998,	Magnetostratigraphy of hydrogenetic manganese crusts from Northwestern Pacific seamounts.	Maine Geology	146,	53-62.
10-007	Plank, T., Langmuir, C.H.,	1998,	The chemical composition of subducting sediment and its consequences for the crust and mantle.	Chemical Geology,	145,	325-394.
10-127	Fisk, R.S., Cashman, K.V., Shibata, A., Watanabe, K.,	1998,	Tephra dispersal from Myojinsho, Japan during its shallow submarine eruption of 1952-1953.	Bull. Volcanol.,	59,	262-275.
10-128	Manville, V., White, J.D.L., Houghton, B.F., Wilson, C.J.N.,	1998,	The saturation behaviour of pumice and some sedimentological implications.	Sedimentary Geology,	119,	5-16.
10-130	Shane, P., Froggatt, P., Smith, I., Gregory, M.,	1998,	Multiple sources for sea-rafterd Loiseles pumice, New Zealand.	Quaternary Research,	49,	271-279.
10-171	Paekinson, I.J., Pearce, J.A.,	1998,	Peridotites from the Izu-Bonin-Mariana Forearc (ODP Leg 125): evidence for mantle melting and melt-mantle interaction in a supra-subduction zone setting.	Journal of Petrology,	39,	1577-1618.
10-177	Kopf, A., Robertson, A.H.F., Clennell, M.B., Flecker, R.,	1998,	Mechanisms of mud extrusion on the Mediterranean Ridge accretionary complex.	Geo-Marine Letters,	18,	97-114.
10-216	Fink, J.H., Griffiths, F.W.,	1998,	Morphology, eruption rates, and rheology of lava domes: insights from laboratory models.	Journal of Geophysical Research,	103,	527-545.
10-255	R. G. Rothwell, J. Thomson & G. Kahler	1998,	Low-sea-level emplacement of a very large Late Pleistocene 'megaturbidite' in the western Mediterranean Sea.	Nature,	392,	377-380.
10-272	WALLACE S. BROECKER	1998,	THE END OF THE PRESENT INTERGLACIAL: HOW AND WHEN?	Quaternary Science	17,	689-694.
10-321	Tracy K.P. Gregg a.), Jonathan H. Fink a, Ross W. Griffiths	1998,	Formation of multiple fold generations on lava flow surfaces: Influence of strain rate, cooling rate, and lava composition	Journal of volcanology and geothermal research,	80,	281-292.
10-336	Hiroki Kamata*	1998,	Quaternary volcanic front at the junction of the South-west Japan Arc and the Ryukyu Arc.	Journal of Asian Earth Sciences,	16,	67-75.
10-357	Takeru Yanagi ), Shun'ichi Maeda	1998,	Magma evolution observed in the Matsuura basalts in northwest Kyushu, Japan: An example of high-pressure open system fractional crystallization in a refilled magma chamber near the crust-mantle boundary.	Physics of the Earth and Planetary Interiors,	107,	203-219.



(Marine volcanology, Kumamoto Univ.)

10-420	Ryuichi Shinjo,	1998,	Petrochemistry and tectonic significance of the emerged late Cenozoic basalts behind the Okinawa Troughs Ryukyu arc system.	Journal of volcanology geothermal research,	80,	39-53.
10-464	P. Watts,	1998,	WAVEMAKER CURVES FOR TSUNAMIS GENERATED BY UNDERWATER LANDSLIDES.	JOURNAL OF WATERWAY, PORT, COASTAL, AND OCEAN ENGINEERING	124,	127-137.
10-488	Terry Plank a.), Charles H. Langmuir	1998,	The chemical composition of subducting sediment and its consequences for the crust and mantle.	Chemical Geology,	145,	325-394.
99N-1	Kalt, A., Altherr, R. and Ludwig T.,	1998,	Contact metamorphism in pelitic rocks on the Island of Kos (Greece, Eastern Aegean Sea): a test for the Na-in-cordierite thermometer:	J. Petrol.,	39,	663-688.
99N-1	Sato, H. and 平田直,	1998,	活断層の深部構造と日本列島の成立:	科学,	Jan.,	63-71.
99N-1	Taira, A. and 清川昌一,	1998,	未成熟島弧から大陸へ 日本列島の地質と大陸地殻の進化,	科学,	Jan.,	50-62.
99N-1	Itoh, 谷生・在田一則・井川崇,	1998,	日高山脈に島弧の衝突をみる 反射法地震探査で島弧深部構造に挑む,	科学,	Jan.,	72-78.
99N-2	Righter, K., Chesley, J. T., Geist, D. and Ruiz, J.	1998,	Behavior of Re during magma fractionation: an example from Volcan Alcedo, Galapagos:	J. Petrol.,	39,	785-795.
99N-3	Morgan VI, G. B., London, D. and Luedke, R. G.,	1998,	Petrochemistry of Late Miocene peraluminous silicic volcanic rocks from the Morococala field, Bolivia:	J. Petrol.,	39,	601-632.
99N-32	Gribble, R. F., Stern, R. J., Newman, S., Bloomer, S. H. and O'Hearn, T.,	1998,	Chemical and isotopic composition of lavas from the northern Mariana Trough: Implications for magmagenesis in back-arc basins:	J. Petrol.,	39,	125-154.
99N-37	Thompson, P., Parsons, I., Graham, C. M. and Jackson, B.,	1998,	The break down of potassium feldspar at high water pressures:	Contrib. Mineral. Petrol.,	130,	176-186.
99N-4	Marsh, B. D.,	1998,	On the Interpretation of crystal size distributions in magmatic systems:	J. Petrol.,	39,	553-599.
99N-5	Patino Douce, A., E. and Harris, N.,	1998,	Experimental constraints on Himalayan anatexis:	J. Petrol.,	39,	689-710.
99N-57	Ducea, M. and Saleeby, J.,	1998,	Crustal recycling beneath continental arcs: silica-rich glass inclusions in ultramafic xenoliths from the Sierra Nevada, California:	Earth Planet. Sci. Lett.,	156,	101-116.
99N-6	Gudmundsson, A.,	1998,	Magma chambers modeled as cavities explain the formation of rift zone central volcanoes and their eruption and intrusion statistics:	J. Geophys. Res.,	103,	7401-7412.
99N-64	Kato, T., Kotake, Y., Nakao, S., Beavan, J., Hirahara, K., Okada, M., Hoshiba, M., Kamigaichi, O., Feir, R. B., Park, P. H., Gerasimenko, M. D. and Kasahara, M.,	1998,	Initial results from WING, the continuous GPS network in the western Pacific area:	Geophys. Res. Lett.,	25,	369-372.
99N-7	Ashworth, J. R.,	1998,	Textures of diffusion-controlled reaction in contact-metamorphosed Mg-rich granulite, Kokchetav area, Kazakhstan:	Mineral. Mag.,	62(2),	213-224.
99N-8	Saal, A. E., Rudnick, R. L., Ravizza, G. E. and Hart, S. R.,	1998,	Re-Os isotope evidence for the composition, formation and age of the lower continental crust:	Nat.,	393,	58-61.
99N-9	Aranovich, L. Y. and Newton, R. C.,	1998,	Reversed determination of the reaction: Phlogopite + quartz = enstatite + potassium feldspar + H <sub>2</sub> O in the ranges 750-875 °C and 2-12 Kbar at low H <sub>2</sub> O activity with concentrated KCl solutions:	Am. Miner.,	83,	193-204.
99S-100	Moore, G. and Carmichael, I. S. E.,	1998,	The hydrous phase equilibria (to 3 kbar) of an andesite and basaltic andesite from western Mexico: Constraints on water content and conditions of phenocryst growth:	Contrib. Mineral. Petrol.,	130,	304-319.
99S-101	Quirion, D. M. and Jenkins, D. M.,	1998,	Dehydration and partial melting of tremolitic amphibole coexisting with zoisite, quartz, anorthite, diopside, and water in the system H <sub>2</sub> O-CaO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> :	Contrib. Mineral. Petrol.,	130,	379-389.
99S-104	Preston, R. J., Bell, B. R. and Rogers, G.,	1998,	The Loch Scridain xenolithic sill complex, Isle of Mull, Scotland: Fractional crystallization, assimilation, magma-mixing and crustal anatexis in subvolcanic conduits:	J. Petrol.,	39,	519-550.
99S-114	Neogi, S., Dasgupta, S. and Fukuoka, M.,	1998,	High P-T polymetamorphism, dehydration melting, and generation of migmatites and granites in the higher Himalayan crystalline complex, Sikkim, India:	J. Petrol.,	39,	61-99.
99S-115	Umino, S. and Horio, A.,	1998,	Multistage magma mixing revealed in phenocryst zoning of the Yunokuchi pumice, Akagi volcano, Japan:	J. Petrol.,	39,	101-124.
99S-74	Pilot, J., Werner, C. D., Haubrich, F. and Baumann, N.,	1998,	Palaeozoic and Proterozoic zircons from the Mid-Atlantic Ridge:	Nat.,	393,	676-679.
99S-83	Ewart, A., Collerson, K. D., Regelous, M., Wendt, J. I. And Niu, Y.,	1998,	Geochemical evolution within the Tonga-Kermadec-Lau arc-back-arc systems: The role of varying mantle wedge composition in space and time:	J. Petrol.,	39,	331-368.
99S-84	Hoang, N. and Flower, M.,	1998,	Petrogenesis of Cenozoic basalts from Vietnam: Implication for origins of a 'Diffuse igneous province':	J. Petrol.,	39,	369-395.
99S-94	Waight, T. E., Weaver, S. D., Muir, R. J., Maas, R. and Eby, G. N.,	1998,	The Hohonu batholith of north Westland, New Zealand: Granitoid compositions controlled by source H <sub>2</sub> O contents and generated during tectonic transition:	Contrib. Mineral. Petrol.,	130,	225-239.
99S-99	Becker, A., Holtz, F. and Johannes, W.,	1998,	Liquidus temperatures and phase compositions in the system Qz-Ab-Or at 5 kbar and very low water activities:	Contrib. Mineral. Petrol.,	1998,	213-224.
10-507	C.-H. Sun, R.J. Stern, T. Yoshida, J.-I. Kimura,	1998,	Fukutoku-oka-no-ba Volcano: A new perspective on the alkalic volcano province in the Izu-Bonin-Mariana arc.	The Island Arc,	7,	432-442.
10-516	Bruno Scaillet, Franvois Holtz, and Michel Pichavant and Michel Pichavant	1998,	Phase equilibrium constraints on the viscosity of silicic magma.	JOURNAL OF GEOPHYSICAL RESEARCH,	103,	27,257-27,266.
10-549	Bruno Scaillet, Fran,ois Holtz,' and Michel Pichavant,	1998,	Phae equilibrium constraints on the viscosity of silicic magamas 1. Volcanic-plutonic comparison.	JOURNAL OF GEOPHYSICAL RESEARCH	103,	27257-27266.
99-0016	Bell, K., Kjarsgaard, B.A. and Simonetti, A.,	1998,	Carbonatites-into the twenty-first century	J. Petrol.,	39,	1839-1845,
99-0017	Moore, I. and Kokelaar, P.,	1998,	Tectonically controlled piecemeal caldera collapse: A case study of Glencoe volcano, Scotland:	GSA Bulletin,	110,	1448-1466,
99-0018	Muir, R.J., Ireland T.R., Weaver, S.D., Bradshaw, J.D. Evans, J.A., Eby, G.N. and Shelley, D.,	1998,	Geochronology and geochemistry of a Mesozoic magmatic arc system, Fiordland, New Zealand:	J. Geol. Soc., London,	155,	1037-1053,

99-0063	Borg, L. E. and Clyne, M. A.,	1998,	the petrogenesis of felsic calc-alkaline magmas from the southernmost Cascades, California: origin by partial melting of basaltic lower crust:	J. Petrol.,	39,	1197-1222.
99-0084	Arakawa, Y., Kurosawa, M., Takahashi, K., Kobayashi, Y., Tsukui, M. and Amakawa, H.,	1998,	Sr- Nd isotopic and chemical characteristics of the silicic magma reservoir of the Aira pyroclastic eruption, southern Kyushu, Japan:	J. Volcanol. Geotherm. Res.,	80,	179-194.
99-0105	Mohamed, F.H.,	1998,	Geochemistry and petrogenesis of El Geira ring complex, Egypt: a monzosyenite cumulate derived from fractional crystallization of trachyandesitic magma:	J. Volcanol. Geotherm. Res.,	84,	103-123.
99-0108	Ayuso, R.A., Vivo, B.D., Rolandi, G., Seal II, R.R. and Paone A.,	1998,	Geochemical and isotopic (Nd-Pb-Sr-O) variations bearing on the genesis of volcanic rocks from Vesuvius, Italy:	J. Volcanol. Geotherm. Res.,	82,	53-78.
99-0118	Grunnarsson, B., Marsh, B.D. and Taylor Jr., H. P.,	1998,	Generation of Icelandic rhyolites: silicic lavas from the Trfajökull central volcano:	J. Volcanol. Geotherm. Res.,	83,	1-45.
99-0151	Laube, N. and Springer, J.,	1998,	Crustal melting by ponding of mafic magmas: a numerical model:	J. Volcanol. Geotherm. Res.,	81,	19-35.
99-0172	Karistrom, K.E. and Williams, M.L.,	1998,	Heterogeneity of the middle crust: implications for strength of continental lithosphere:	Geology,	26,	815-818.
99-0173	Turner, S. and Hawkesworth, C.,	1998,	Using geochemistry to map mantle flow beneath the Lau Basin	Geology,	26,	1019-1022.
99-0174	Condie, K.C.,	1998,	Episodic continental growth and supercontinents: a mantle avalanche connection?	Earth Planet. Sci. Lett.,	163,	97-108.
99-0175	Yale, L.B. and Carpenter, S.J.,	1998,	Large igneous provinces and giant dike swarms: proxies for supercontinent cyclicity and mantle convection	Earth Planet. Sci. Lett.,	163,	109-122.
99-0176	Maruyama, S.,	1998,	太古付加体と新しい地球史	岩波科学	68,	763-774.
99-0179	Coish, R.A., Kretschmar, L.M. and Journeay, M.J.,	1998,	Geochemistry of the Miocene Mount Noel Volcanic Complex, British Columbia and comparison with the Columbia River Basalt:	J. Volcanol. Geotherm. Res.,	83,	269-285.
99-0196	Gudmundsson, A.,	1998,	Formation and development of normal-fault calderas and the initiation of large explosive eruptions:	Bull.volcanol.,	60,	160-170.
99-0197	Montero, P., Floor, P. and Corretgé, G.	1998,	The accumulation of rare-earth and high-field strength elements in peralkaline granitic rocks: the Galíñeiro orthogneissic complex, northwestern Spain:	Can. Miner.,	36,	683-700.
99-0201	Schmidt, M.W. and Poli, S.,	1998,	Experimentally based water budgets for dehydrating slab and consequences for arc magma generation:	Earth Planet. Sci. Lett.,	163,	361-379.
99-0203	Elburg, M. and Foden, J.,	1998,	Temporal changes in arc magma geochemistry, northern Sulawesi, Indonesia:	Earth Planet. Sci. Lett.,	163,	381-398.
99-0205	Smith, A.L., Schellekens, J.H. and Diaz, A-L. M.,	1998,	Batholiths as markers of tectonic change in the northeastern Caribbean:	Geol. Soc. Am. Spec. Pap.,	322,	99-122.
99-0207	Ernst, W.G. and Lin, J.,	1998,	Experimental phase-equilibrium study of Al- and Ti-contents of calcic amphibole in MORB-A semiquantitative thermobarometer:	Am. Miner.,	83,	952-969.
99-0208	Grégoire, M., Cottin, J.Y., Giret, A., Mattielli, N. and Weis, D.,	1998,	The meta-igneous granulite xenoliths from Kerguelen Archipelago: evidence of a continent nucleation in an oceanic setting:	Contrib. Mineral. Petrol.,	133,	259-283.
99-0209	Luttinen, A.V., Rämö, T.O. and Huhma, H.,	1998,	Neodymium and strontium isotopic and trace element composition of a Mesozoic CFB suite from Dronning Maud Land, Antarctica: implications for lithosphere and asthenosphere contributions to Karoo magmatism:	Geochem. Cosmochim. Acta.,	62,	2701-2714.
99-0210	Folch, A. and Martí, J.,	1998,	The generation of overpressure in felsic magma chambers by replenishment:	Earth Planet. Sci. Lett.,	163,	301-314.
99-0225	Keating, G.N. and Valentine, G.A.,	1998,	Proximal stratigraphy and syn-eruptive faulting in rhyolitic Grants Ridge Tuff, New Mexico, USA:	J. Volcanol. Geotherm. Res.,	81,	37-49.
99-0226	Cole, J.W., Brown, S.J.A., Burt, R.M., Beresford, S.W. and Wilson, C.J.N.,	1998,	Lithic type in ignimbrites as a guide to the evolution of a caldera complex, Taupo volcanic centre, New Zealand:	J. Volcanol. Geotherm. Res.,	80,	217-237.
99-0228	Pankhurst, R.J., Leat, P.T., Sruoga, P., Rapela, C.W., Márquez, M., Sttorey, B.C. and Riley, T.R.,	1998,	the Chon Aike province of Patagonia and related rocks in West Antarctica: a silicic large igneous province:	J. Volcanol. Geotherm. Res.,	81,	113-136.
99-0229	Brown, S.J.A., Wilson, C.J.N., Cole, J.W. and Wooden, J.,	1998,	The Whakamaru group ignimbrites, Taupo Volcanic Zone, New Zealand: evidence for reverse tapping of a zoned silicic magmatic system:	J. Volcanol. Geotherm. Res.,	84,	1-37.
99-0240	Itoh, Y., Takemura, K. and Kamata, H.,	1998,	Histry of basin formation and tectonic evolution at the termination of a large transcurrent fault system: deformation made of central Kyushu, Japan:	Tectonophysics,	284,	135-150.
99-0270	Wallis, S., Banno, S. and Komatsu, M.,	1998,	Introduction: Mid to deep crustal processes in the island arc setting: the metamorphic belts of Japan:	J. Metamorphic Geol.,	16,	1-2.
99-0423	Bonini, J.A. and Baldwin, S.L.,	1998,	Mesozoic metamorphic and middle to late Tertiary magmatic events on Magdalene and Santa Margarita islands, Baja California Sur, Mexico: implications for the tectonic evolution of the Baja California continental borderland:	Geol. Soc. Am. Bull.,	110,	1094-1104.
99-0424	Tajima, F. and Grand, S.P.,	1998,	Variation of transition zone high-velocity anomalies and depression of 660 km discontinuity associated with subduction zones from the southern Kuriles to Izu-Bonin and Ryukyu:	J. Geophys. Res.,	103,	15015-15036.
99-0428	Barrat, J.A., Fourcade, S., Jahn, B.M., Cheminée, J.L. and Capdevila, R.,	1998,	Isotope (Sr, Nd, Pb, O) and trace-element geochemistry of volcanics from the Erta' Ale range (Ethiopia):	J. Volcanol. Geotherm. Res.,	80,	85-100.
99-0429	Shinjo, R.,	1998,	Petrochemistry and tectonic significance of the emerged late Cenozoic basalts behind the Okinawa Troughs Ryukyu arc system:	J. Volcanol. Geotherm. Res.,	80,	39-53.
99-0430	Woodhead, J.D., Eggins, S.M. and Johnson, R.W.,	1998,	Magma genesis in the New Britain islands arc: Further insights into melting and mass transfer processes:	J. Petrol.,	39,	1641-1668.
99-0431	Sawyer, E.W.,	1998,	Formation and evolution of granitic magmas during crustal reworking: the significance of diatexites:	J. Petrol.,	39,	1147-1167.
99-0492	Miura, D. and Tamai, M.,	1998,	Intracaldera structure and megabreccias at Dorobu Caldera, northeastern Honshu, Japan:	J. Volcanol. Geotherm. Res.,	80,	195-215.
99-0497	Belkin, H.E., Vivo, B.D., Török, K. and Webster, J.D.,	1998,	Pre-eruptive volatile content, melt-inclusion chemistry, and microthermometry of interplinian Vesuvius lavas (pre-A.D. 1631):	J. Volcanol. Geotherm. Res.,	82,	79-95.
99-0499	McNulty, B.A., Farber, D.L., Wallace, G.S., Lopez, R. and Palacios, O.,	1998,	Role of plate kinematics and plate-slip-vector partitioning in continental magmatic arcs: evidence from the Cordillera Blanca, Peru:	Geology,	26,	827-830.

99-0500	Bryan, S.E., Cas, R.A.F. and Martí, J.,	1998,	Lithic breccias in intermediate volume phonolitic ignimbrites, Tenerife (canary Islands): constraints on pyroclastic flow depositional processes:	J. Volcanol. Geotherm. Res.,	81,	269-296.
99-0506	Elias-Herrera, M. and Ortega-Gutiérrez, F.,	1998,	The early Cretaceous Arperos oceanic basin (western Mexico). Geochemical evidence for an aseismic ridge formed near a spreading center Comment:	Tectonophysics,	292,	321-326.
99-0511	Turco, E. and Zuppetta, A.,	1998,	A kinematic model for the Plio-Quaternary evolution of the Tyrrhenian-Apenninic system: implications for rifting processes and volcanism:	J. Volcanol. Geotherm. Res.,	82,	1-18.
99-0512	Murphy J.B., Oppliger, G.L. and Brimhall, Jr., G.H.,	1998,	Plume-modified orogeny: an example from the western United States:	Geology,	26,	731-734.
99-0514	Gao, S., Luo, T.-C., Zhang, B.-R., Zhang, H.-F., Han, Y.-W., Zhao, Z.-D. and Hu, Y.-K.,	1998,	Chemical composition of the continental crust as revealed by studies in East China:	Geochem. Cosmochim. Acta.,	62,	1959-1975.
99-0515	Blatter, D.L. and Carmichael, I.S.E.,	1998,	Plagioclase-free andesites from Zitácuaro (Michoacán), Mexico: petrology and experimental constraints:	Contrib. Mineral. Petrol.,	132,	121-138.
99-0518	Cook, F.A., van der Velden, A.J., Hall, K.W. and Roberts, B.J.,	1998,	Tectonic delamination and subcrustal imbrication of the Precambrian lithosphere in northwestern Canada mapped by LITHOPROBE:	Geology,	26,	839-842.
99-0603	Terakado, Y. and Fujitani, T.,	1998,	Behavior of the rare earth elements and other trace elements during interactions between acidic hydrothermal solutions and silicic volcanic rocks, southwestern Japan:	Geochem. Cosmochim. Acta.,	62,	1903-1917.
99-0841	Sudo, Y., Ono, H., Hurst, A.W., Tsustui, T., Mori, T., Nakaboh, M., Matsumoto, Y., Sako, M., Yoshikawa, S., Tanaka, M., Kobayashi, Y., Hashimoto, T., Hoka, T., Yamada, T., Masuda, H. Kikuchi, S.,	1998,	Seismic activity and ground deformation associated with 1995 phreatic eruption of Kujū Volcano Kyushu, Japan:	J. Volcanol. Geotherm. Res.,	81,	245-267.
99-0907	MacKay, M.E., Rowland, S.K., Mouginiis-Mark, P.J. and Garbeil, H.,	1998,	Thick lava flows of Karisimbi Volcano, Rwanda: insights from SIR-C interferometric topography:	Bull. Volcanol.,	60,	239-251.
99-0908	Hunter, A.G.,	1998,	Intracrustal controls on the coexistence of tholeiitic and calc-alkaline magma series at AsoVolcano, SW Japan:	J. Petrol.,	39,	1255-1284.
99-1022	Kotake, Y., Kato, T., Miyazaki, S. Sengoku, A.,	1998,	Relative motion of the Philippine Sea plate derived from GPS observations and tectonics of the South-western Japan (In Japanese, with English abstract):	J. Seismol. Soc. Japan,	51,	171-180.
99-1146	McLeod, P. and Sparks, R.S.J.,	1998,	The dynamics of xenolith assimilation:	Contrib. Mineral. Petrol.,	132,	21-33.
99-1191	Kotake, Y., Kato, T., Miyazaki, S. Sengoku, A.,	1998,	Relative motion of the Philippine Sea plate derived from GPS observations and tectonics of the South-western Japan (In Japanese, with English abstract):	J. Seismol. Soc. Japan,	51,	171-180.
99-1229	Plank, T. and Langmuir, C.H.,	1998,	The chemical composition of subducting sediment and its consequences for the crust and mantle:	Chem. Geol.,	145,	325-394.
99-1230	Münker, C.,	1998,	Nb/Ta fractionation in a Cambrian arc/back arc system, New Zealand: source constraints and application of refined ICPMS techniques:	Chem. Geol.,	144,	23-45.
99-1236	Yamada, R., Yoshioka, T., Watanabe, K., Nakamura, H., Hashimoto, T. and Nishimura, S.,	1998,	Comparison of experimental techniques to increase the number of measurable confined fission tracks in zircon:	Chem. Geol.,	149,	99-107.
99-1237	Brown, S.J.A., Burt, R.M., Cole, J.W., Krippner, S.J.P., Price, R.C. and Cartwright, I.,	1998,	Plutonic lithics in ignimbrites of Taupo Volcanic Zone, New Zealand: sources and conditions of crystallisation:	Chem. Geol.,	148,	21-42.
99-1266	Davies, G.,	1998,	A channeled plume under Africa:	Nature,	395,	743-744.
99-1267	Lay, T., Williams, Q. and Garnero, E.J.,	1998,	The core-mantle boundary layer and deep Earth dynamics:	Nature,	392,	461-468.
99-1269	Snow, J.E. and Schmidt, G.,	1998,	Constraints on Earth accretion deduced from noble metals in oceanic mantle:	Nature,	391,	166-169.
99-1270	Wolfe, C.J.,	1998,	Prospecting for hotspot roots:	Nature,	396,	212-213.
99-1271	Willemant, B. and Boudon, G.,	1998,	Transition from dome-forming to plinian eruptive styles controlled by H <sub>2</sub> O and Cl degassing:	Nature,	392,	65-68.
99-1272	Sisson, T.W. and Bronto, S.,	1998,	Evidence for pressure-release melting beneath magmatic arcs from basalt at Galunggung, Indonesia:	Nature,	391,	883-886.
99-1273	Kesson, S.E., Gerald, J.D.F. and Shelley, J.M.,	1998,	Mineralogy and dynamics of a pyrolite lower mantle:	Nature,	393,	252-255.
99-1274	Briffa, K.R., Jones, P.D., Schweingruber, F.H. and Osborn, T.J.,	1998,	Influence of volcanic eruptions on Northern Hemisphere summer temperature over the past 600 years:	Nature,	393,	450-454.
99-1275	de Silva S.L. and Zielinski, G.A.,	1998,	Global influence of the AD 1600 eruption of Huaynaputina, Peru:	Nature,	393,	455-458.
99-1276	Cerling, T.E., Harris, J.M., MacFadden, B.J.....	1998,	Miocene/Pliocene shift: one step or several?	Nature,	393,	126-127.
99-1277	Sigmarsson, O., Martin, H. and Knowles, J.,	1998,	Melting of a subducting oceanic crust from U-Th disequilibria in austral Andean lavas:	Nature,	394,	566-569.
99-1278	Eiler, J.M., McInnes, B., Valley, J.W., Graham, C.M. and Stolper, E.M.,	1998,	Oxygen isotope evidence for slab-derived fluids in the sub-arc mantle:	Nature,	393,	777-781.
99-1279	Shen, Y., Solomon, S.C., Bjarnason, I.Th. and Wolfe, C.J.,	1998,	Seismic evidence for a lower-mantle origin of the Iceland plume:	Nature,	395,	62-65.
99-1280	Tegner, C., Leshner, C.E., Larsen, L.M. and Watt, W.S.,	1998,	Evidence from the rare-earth-element recode of mantle melting for cooling of the Tertiary Iceland plume:	Nature,	395,	591-594.
99-1283	Müller, R.D., Roest, W.R. and Royer, J.-Y.,	1998,	Asymmetric sea-floor spreading caused by ridge-plume interactions:	Nature,	396,	455-459.
99-1284	Hilton, D.R., McMurtry, G.M. and Goff, F.,	1998,	Large variations in vent fluid Co <sub>2</sub> /3He ratios signal rapid changes in magma chemistry at Loihi seamount, Hawaii:	Nature,	396,	359-363.
99-1285	Russel, S.A., Lay, T. and Garnero, E.J.,	1998,	Seismic evidence for small-scale dynamics in the lowermost mantle at the root of the Hawaiian hotspot:	Nature,	396,	255-258.
99-1286	Linde, A.T. and Sacks, I.S.,	1998,	Triggering of volcanic eruptions:	Nature,	395,	888-890.

(Marine volcanology, Kumamoto Univ.)

- |         |  |       |  |  |      |            |
|---------|--|-------|--|--|------|------------|
| 12-055  | Masafumi SudM, Kozo Utob, and Kazunori Matsuib   | 1998, | Quaternary volcanism in Goto Islands, southwest Japan: K-Ar geochronology of the monogenetic volcano groups and the polygenetic volcanoes.   | Chinese Science Bulletin                                   | 43,  | supp.      |
| 12-058  | Ryuichi Shinjo,  | 1998, | Petrochemistry and tectonic significance of the emerged late Cenozoic basalts behind the Okinawa Troughs Ryukyu arc system.  | Journal Volcanol Geothermal Res.,                          | 80,  | 39-53.     |
| 12-078  | M. Sudo K. Uto Y. Tatsumi K. Matsui  | 1998, | K-Ar geochronology of a Quaternary monogenetic volcano group in Ojika Jima District, Southwest Japan.  | Bull Volcanol,   | 60,  | 171-186.   |
| 12-272  | Takeru Yanagi ), Shun'ichi Maeda   | 1998, | Magma evolution observed in the Matsuura basalts in northwest Kyushu, Japan: An example of high-pressure open system fractional crystallization in a refilled magma chamber near the crust-mantle boundary.                            | Physics of the Earth and Planetary Interiors,              | 107, | 203-219.   |
| 12-304  | P. Watts,  | 1998, | Wavemaker curves for tsunami generated by underwater landslides.   | JOURNAL OF WATERINAY. PORT. COASTAL, AND OCEAN ENGINEERING | 124, | 127-137    |
| 12-327  | Euan G. Nisbet and David J. W. Piper   | 1998, | Giant submarine landslides.  | Nature,  | 392, | 329-330.   |
| 12-532  | Yoji Arakawa a.*, Mie Kurosawa a, Kaori Takahashi a, Yoji Kobayashi Masashi Tsukui c, Hiroshi Amakawa,               | 1998, | Sr-Nd isotopic and chemical characteristics of the silicic magma reservoir of the Aira pyroclastic eruption, southern Kyushu, Japan.   | Journal Volcanol Geothermal Res.,                          | 80,  | 179-194.   |
| 12-548  | P. B. Gans* and W. A. Bohrsen  | 1998, | Suppression of volcanism during rapid extension in the basin and range province, United States.  | Science,   | 279, | 66-68.     |
| 13-066  | L. BECCALUVA1*, F. SIENA1, M. COLTORTI1, A. DI GRANDE2, A. LO GIUDICE3, G. MACCIOTTA4, R. TASSINARI1 AND C. VACCARO1 | 1998, | Nephelinitic to tholeiitic magma generation in a transtensional tectonic setting: an integrated model for the Iblean volcanism, Sicily.  | Journal of Petrology,                                      | 39,  | 1547-1576. |
| 13-076  | S. Jung a.), P. Masberg  | 1998, | Major- and trace-element systematics and isotope geochemistry of Cenozoic mafic volcanic rocks from the Vogelsberg central Germany/ Constraints on the origin of continental alkaline and tholeiitic basalts and their mantle sources. | Journal of Volcanology and Geothermal Research,            | 86,  | 151-177.   |
| 13-082  | N. Arndt, C. Gimibre, C. Chauvel, F. Albarède, M. Cheadle, C. Herzberg, G. Jenner and Y. Lahaye                      | 1998, | Were komatiites wet?   | Geology,   | 26,  | 739-742.   |
| 15-156  | Richard H. SILLITOE and John F. H. THOMPSON  | 1998, | Intrusion-Related Vein Gold Deposits: Types, Tectono-Magmatic Settings and Difficulties of Distinction from Orogenic Gold Deposits.  | RESOURCE GEOLOGY,  | 48,  | 237-250.   |
| 15-303  | C. A. Gardner 7 K. V. Cashman 7 C. A. Neal   | 1998, | Tephra-fall deposits from the 1992 eruption of Crater Peak, Alaska: implications of clast textures for eruptive processes  | Bull volcanol,   | 59,  | 537-555.   |
| 16-031  | A. Kopf á A. H. F. Robertson M. B. Clennell á R. Flecker,  | 1998, | Mechanisms of mud extrusion on the Mediterranean Ridge Accretionary Complex.   | Geo-Marine Letters,  | 18,  | 97-114.    |
| 99-0682 | Arakawa, Y., Kurosawa, K., Takahashi, Y., Kobayashi, Y., Tsukui, M. and Amakawa, H.,                                 | 1997? | Sr-Nd isotope characteristics of silicic magma of the Aira pyroclastic eruption, southern Kyushu, Japan (In Japanese ):  | 合同大会講演予稿集稿   |      | 485        |
| 99-0683 | Watanabe, K., Izawa, E., Hashimoto, S. and Kagami, H.,   | 1997? | Magmatism and tectonics in southern Kyushu, Japan (In Japanese ):  | 合同大会講演予稿集稿   |      | 679        |
| 99-0684 | Hase, Y., Nagao, T. and Nagamine, S.,  | 1997? | Geography, geology and Pliocene volcanism of Hisatsu volcanic province in Southern Kyushu - proposal for a model of its volcanic active process (In Japanese):   | 合同大会講演予稿集稿   |      | 671        |
| 99-0685 | Miyamoto, T.,  | 1997? | Magmatic evolution of Takachiho compound volcano in Kirishima Volcanoes (In Japanese):   | 合同大会講演予稿集稿   |      | 679        |
| 99-0686 | Uto, K., Sakaguchi, K. and Uchiuni, S.,  | 1997? | Neogene-Quaternary volcanism and the formation of volcano-tectonic graven in Hokusatsu area, Kagoshima, SW Japan (In Japanese):  | 合同大会講演予稿集稿   |      | 671        |
| 12-b032 | 長岡信治、奥野充、鳥井真之、   | 1997, | 2万5千年前以前の始良カルデラの噴火史。   | 月刊地球、  | 19,  | 257-262.   |
| 00-0091 | Fryer, P., Gill, J.B. and Jackson, M.C.,   | 1997, | Volcanologic and tectonic evolution of the Kasuga seamounts, northern Mariana Trough: Alvin submersible investigations.  | J. Volcon. Geotherm. Res.,                                 | 79,  | 277-311.   |
| 01-013  | Weinberg, R. F.,   | 1997, | The disruption of a diorite magma pool by intruding granite: the sobu body, Ladakh Batholith, Indian Himalayas.  | J. Geol.,  | 105, | 87-98.     |
| 01-015  | Boudreau, A.E., Stewart, M.A. and Spivack, A.J.,   | 1997, | Stable Cl isotopes and origin of high-Cl magmas of the Stilwater complex, Montana.   | Geol.,   | 25,  | 791-794.   |
| 02-0013 | Webster, J.D.,   | 1997, | Chloride solubility in felsic melts and the role of chloride in magmatic degassing.  | J. Petorology,   | 38,  | 1793-1807. |
| 02-0015 | Webster, J.D.,   | 1997, | Exsolution of magmatic volatile phases from Cl-enriched mineralizing granitic magmas and implications for ore metal transport.   | Geochim. Cosmoschim. Acta.,                                | 61,  | 1017-1029. |
| 02-0018 | Shinohara, H., Hedenquist, J.W.,   | 1997, | Constrains on magma degassing beneath the far southeast porphyry Cu-Au deposit, Philipines.  | J. Petorology,   | 38,  | 1741-1752  |
| 02-0074 | Mattox, T.N. and Mangan, M.T,  | 1997, | Littoral hydrovolcanic explosions: a case study of lava-seawater interaction at Kilauea Volcano  | J.Volcon. Geotherm. Res.,                                  | 75,  | 1-17.      |
| 02-0105 | Lopez-Gomez, J., and Arche, A.,  | 1997, | The upper Permian Boniches conglomerates formation: evolution from alluvial fan to fluvial system environments and accompanying tectonic and climatic controls in the southeast Iberian Ranges central Spain.                          | Sedimet. Geol.,  | 114, | 67-294.    |
| 02-0113 | Hirata, D., Yamashita, H., Taniguchi, H., Nishikawa, T., Aoiike, K., Suzui, M., Saito, N., Suga, K., and Arima, M.,  | 1997, | Evolution of a volcanic edifice in the Izu-Ogasawara (Bonin) arc: lithological characteristics of a 150 meter core smple in Hachijojima.   | Bull. Kanagawa prefect. Mus.,                              | 26,  | 57-88.     |
| 02-0117 | Smith, D.G.,and Jol, H.M.,   | 1997, | Radar structure of a Gilbert-type delta, Peyto Lake, Banff National park , Canada.   | Sedimet. Geol.,  | 113, | 195-209.   |
| 02-0126 | Dixon, J.E., Clague,D.A., Wallace,P., and Poreda, R.,  | 1997, | Volatiles in Alkalic basalts from the North Arch volcanic field, Hawaii: Extensive Degassing of Deep Submarine-erupted Alkalic Series Lava.  | Jour, Petorol.,  | 38,  | 911-939.   |
| 02-0131 | Bridges, N.T.,   | 1997, | Characteristics of seamounts near Hawaii as viewed by GLORIA.  | Marine geol.,  | 138, | 273-301.   |
| 03-0024 | Dixon, J.E., Clague, D.A., Wallace, P., and Poreda, R.,  | 1997, | Volatiles in alkalic basalts from the North arch volcanic field, Hawaii: extensive degassing of deep submarine-erupted alkalic series lavas.   | J. Petrol.,  | 38,  | 911-939.   |
| 03-0046 | Presley, T.K., Sinton, J.M., and Pringle, M.,  | 1997, | Postshield volcanism and catastrophic mass wasting of the Waianae volcano, Oahu, Hawaii.   | Bull. Volcanol.,   | 58,  | 597-616.   |

(Marine volcanology, Kumamoto Univ.)

- 03-0082 Cashman, K.V., and Kauahikaua, J.P., 1997, Reevaluation of vesicle distributions in basaltic lava flows. Geol., 25, 419-422.
- 03-0160 Urgeles, R., Canals, M., Braza, J., Alonso, B., and Masson, D., 1997, The most recent megalandslides of the canary Islands: El Golfo debris avalanche and Canary debris flow, west El Hierro Island. J. Geophys. Res., 102, 20305-20323.
- 03-0166 Schmincke, H.-U., Behncke, B., Grasso, M., and Raffi, S., 1997, Evolution of the northwestern Iblean Mountains, Sicily: uplift, Pliocene/Pleistocene sea-level changes, paleoenvironment, and volcanism. Geol. Rundsch., 86, 637-669.
- 03-0167 Czirok, A., Somfai, E., and Vicsek, T., 1997, Fractal scaling and power-law landslide distribution in a micromodel of geomorphological evolution. Geol. Rundsch., 86, 525-530.
- 04-002 Groome, M.G., Gutmacher, C.E., and Stevenson, A.J., 1997, Atlas of GLORIA sidescan-sonar imagery of the exclusive economic zone of the United States. U.S.Geol. Surv.Open-File Report, 97-540, CD-ROM.
- 04-018 Grigg, R.W., and Jones, A.T., 1997, Uplift caused by lithospheric flexure in the Hawaiian Archipelago as revealed by elevated coral deposits. Marine geol., 141, 11-25.
- 04-024 Frank, M., Schwarz, B., Baumann, S., Kubik, P.W., Suter, M., and Mangini, A., 1997, A 200kyr record of cosmogenic radionuclide production rate and geomagnetic field intensity from <sup>10</sup>Be in globally stacked deep-sea sediments. Earth Planet. Sci. Lett., 149, 121-129.
- 05-029 Berndt, M.E., and Seyfried, W.E.Jr., 1997, Calibration of Br/Cl fractionation during subcritical phase separation of seawater: Possible halite at 9 to 10 N East Pacific Rise. Geochim. et Cosmochim. Acta., 61, 2849-2854.
- 05-037 Webster, J.D., 1997, Chlorine solubility in felsic melts and the role of chloride in magmatic degassing. J. Petrol., 38, 1793-1807.
- 05-038 Webster, J.D., 1997, Exsolution of magmatic volatile phases from Cl-enriched mineralizing granitic magmas and implications for ore metal transport. Geochim. et Cosmochim. Acta., 61, 1017-1029.
- 05-053 Kress, V., 1997, Magma mixing as a source for Pinatubo sulphur. Nat., 389, 591-593.
- 06-3022 Yoon, S., 1997, Miocene-Pleistocene volcanism and tectonics in southern Korea and their relationship to the opening of the Japan Sea. Tectonophysics 281, 53-70.
- 06-3106 Fryer, P., Gill, J.B., Jackson, M.C., 1997, Volcanologic and tectonic evolution of the Kasuga seamounts, northern Mariana Trough: Alvin submersible investigations. J. Volcanol. Geotherm. Res. 79, 277-311.
- 06-3149 Hovland, M., Hill, A., Stokes, D., 1997, The structure and geomorphology of the Dashgil mud volcano, Azerbaijan. Geomorphology, 21, 1-15.
- 07-085 Lipman, P.W., 1997, Subsidence of ash-flow calderas: relation to caldera size and magma-chamber geometry. Bull. Volcanol., 59, 198-218.
- 07-111 Anderson, D.L., 1997, The end of the mantle. MS. pre-print 1-40.
- 07-112 Anderson, D.L., 1997, A theory of the earth: Hutton and Humpty-Dumpty and Holmes. MS. pre-print 1-xx.
- 07-123 Kamata, H., Hayashida, A., Danhara, T., 1997, Identification of a pair of co-ignimbrite ash and underlying distal plinian ash in the Early Pleistocene widespread tephra in Japan. J. Volc. Geotherm. Res., 78, 51-64.
- 08-006 Shanmugan, G., 1997, The Bouma sequence and the turbidite mind set. Earth Sci. Rev., 42, 201-229.
- 08-018 Hand, B.M., 1997, Inverse grading resulting from coarse-sediment transport lag. J. Sedi. Res., 67, 124-129.
- 08-066 Sohn, Y.K., 1997, On traction-carpet sedimentation. J. Sedi. Res., 67, 502-509.
- 08-208 Kinoshita, O., 1997, Slab window-related magmatism caused by the Kula-Pacific ridge subduction beneath the Eurasia continent in the Cretaceous. Episodes, 20, 185-187.
- 08-327 Pin, C., Zalduogui, J.F.S., 1997, Sequential separation of light rare-earth elements, thorium and uranium by miniaturized extraction chromatography: application to isotopic analyses of silicate rocks. Ana. Chimi., 339, 79-89.
- 10-019 Dilek, Y., Coulton, A., Hurst, S.D., 1997, 3. Serpentinization and hydrothermal veining in peridotites at site 920 in the mark area. Proceedings of the Ocean Drilling Program, Scientific results, 153, 35-59.
- 10-031 Smoot, N.C., 1997, Aligned buoyant highs, across-trench deformation, clustered volcanoes, and deep earthquakes are not aligned with plate-tectonic theory. Geomorphology, 18, 199-222.
- 10-038 Fryer, P., Mottl, M.J., 1997, "Shinkai 6500" investigations of a resurgent mud volcano on the Southeastern Mariana forearc. JAMSTEC J. Deep Sea Res., 13, 103-114.
- 10-115 Nakada, M., Yanagi, T., Maeda, S., 1997, Lower crustal erosion induced by mantle diapiric upwelling: constraints from sedimentary basin formation followed by voluminous basalt volcanism in northwest Kyushu, Japan. Earth and Planetary Science Letters, 146, 415-429.
- 10-184 Martin Hovland, Andrew Hill, David Stokes 1997, The structure and geomorphology of the Dashgil mud volcano, Geomorphology 21 (1997) 1-15
- 10-346 Hiroki Kamata a3\*, Tetsuo Kobayash . b 1997, The eruptive rate and history of Kuju volcano in Japan during the past 15,000 years. Journal of volcanology and geothermal research, 76, 163-171.
- 10-369 Masao Nakada \*, Takeru Yanagi, Shun'ichi Maeda 1997, Lower crustal erosion induced by mantle diapiric upwelling: constraints from sedimentary basin formation followed by voluminous basalt volcanism in northwest Kyushu, Japan. Earth and Planetary Science Letters 146, 415-429.
- 10-415 Kenneth H. Wohletz 1997, A GRAPHICAL SIMULATION OF VOLCANIC ERUPTIONS FOR THE PERSONAL COMPUTER. <http://www.rockware.com/catalog/pages/eruptdoc.html> 1/1/15
- 10-439 DONALD B. DINGWELL 1997, The Brittle-Ductile Transition in High-Level Granitic Magmas: Material Constraints. Journal of Petrology 38, 1635-1644.
- 10-449 Sun Yoon 1997, Miocene-Pleistocene volcanism and tectonics in southern Korea and their relationship to the opening of the Japan Sea Tectonophysics, 281, 53-70.
- 10-493 KLAUS WALLMANN, PETER LINKE, ERWIN SUESS, GERHARD BOHRMANN, HEIKO SAHLING, ANKE D., ~HLMANN, STEPHAN LAMMERS, JENS GREINERT, and NIKOLAUS VON MIRBACH, MICHAEL SCHLOTTER 1997, Quantifying fluid flow, solute mixing, and biogeochemical turnover at cold vents of the eastern Aleutian subduction zone. Geochimica et Cosmochimica Acta, 61, 5209-5219.
- 99N-100 Vignerresse, J. L., and Bouchez, J. L., 1997, Successive granitic magma batches during pluton emplacement: the case of Cabeza de Araya (Spain). J. Petrol., 38, 1767-1776.
- 99N-106 Maas, R., Nicholls, I. A. and Legg, C., 1997, Igneous and metamorphic enclaves in the S-type Deddick granodiorite, Lachlan fold belt, SE Australia: Petrographic, geochemical and Nd-Sr isotopic evidence for crustal melting and magma mixing: J. Petrol., 38, 815-841.

(Marine volcanology, Kumamoto Univ.)

99N-107	Polat, A., Kerrich, R. and Casey, J. F.,	1997,	Geochemistry of Quaternary basalts erupted along east Anatolian and Dead Sea fault zones of southern Turkey: implications for mantle sources:	Lithos,	40,	55-68.
99N-109	Morra, V., Secchi, F. A. G., Melluso, L. and Franciosi, L.,	1997,	High-Mg subduction-related Tertiary basalts in Sardinia, Italy:	Lithos,	40,	69-91.
99N-110	Hölttä, P.,	1997,	Geochemical characteristics of granulite facies rocks in the Archean Varpaisjärvi area, central Fennoscandian Shield:	Lithos,	40,	31-53.
99N-116	Bau, M.,	1997,	The lanthanide tetrad effect in highly evolved felsic igneous rocks - a reply to the comment by Y. Pan:	Contrib. Mineral. Petrol.,	128,	409-412.
99N-118	Stevens, G., Clemens, J. D. and Droop, G. T. R.,	1997,	Melt production during granulite facies anatexis: experimental data from "primitive" metasedimentary protoliths:	Contrib. Mineral. Petrol.,	128,	352-370.
99N-125	Pan, Y.,	1997,	Controls on the fractionation of isoivalent trace elements in magmatic and aqueous systems: evidence from Y/Ho, Zr/Hf, and lanthanide tetrad effect - a discussion of the article by M. Bau (1996):	Contrib. Mineral. Petrol.,	128,	405-408.
99N-126	Wiebe, R. A., Smith, D., Sturm, M., King, E. M. and Seckler, M. S.,	1997,	Enclaves in the Cadillac Moutain granite (Coastal Maine) : Samples of hybrid magma from the base of the chamber:	J. Petrol.,	38,	393-423.
99N-129	Tommasini, S. and Davies, G. R.,	1997,	Isotope disequilibrium during anatexis: a case study of contact melting, Sierra Nevada, California:	Earth Planet. Sci. Lett.,	148,	273-285.
99N-130	Kogiso, T., Tatsumi, Y. and Nakano, S.,	1997,	Trace element transport during dehydration processes in the subducted oceanic crust: 1. Experiments and implications for the origin of ocean island basalts:	Earth Planet. Sci. Lett.,	148,	193-205.
99N-131	Tatsumi, Y. and Kogiso, T.,	1997,	Trace element transport during dehydration processes in the subducted oceanic crust: 2. Origin of chemical and physical characteristic in arc magmatism:	Earth Planet. Sci. Lett.,	148,	207-221.
99N-132	Regelous, M., Collerson, K. D., Ewart, A. and Wendt, J. I.,	1997,	Trace element transport rates in subduction zones: evidence from Th, Sr and Pb isotope data for Tonga-Kermadec arc lavas:	Earth Planet. Sci. Lett.,	148,	291-302.
99N-133	Kelemen, P. B., Koga, K. and Shimizu, N.,	1997,	Geochemistry of gabbro sills in the crust-mantle transition zone of the Oman ophiolite: implications for the origin of the oceanic lower crust:	Earth Planet. Sci. Lett.,	146,	475-488.
99N-134	Huang, Y., Hawkesworth, C., van Calsteren, P., Smith, I. and Black, P.,	1997,	Melt generation models for the Auckland volcanic field, New Zealand: constraints from U-Th isotopes:	Earth Planet. Sci. Lett.,	149,	67-84.
99N-135	Dingwell, D. B., Holtz, F. and Behrens, H.,	1997,	The solubility of H <sub>2</sub> O in peralkaline and peraluminous granitic melts:	Am. Miner.,	82,	434-437.
99N-136	Pin, C. and Paquette, J.-L.,	1997,	A mantle-derived bimodal suite in the Hercynian belt: Nd isotope and trace element evidence for a subduction-related rift origin of the late Devonian Brévenne metavolcanics, Massif Central (France):	Contrib. Mineral. Petrol.,	129,	222-238.
99N-137	Hardarson, B. S. and Fitton, J. G.,	1997,	Mechanism of crustal accretion in Iceland:	Geology,	25,	1043-1046.
99N-139	Heumann, A., and Davies, G. R.,	1997,	Isotopic and chemical evolution of the post-caldera rhyolitic system at Long Valley, California:	J. Petrol.,	38,	1661-1678.
99N-158	Zachariah, J. K., Rajamani, V. and Hanson, G. N.,	1997,	Petrogenesis and characteristics of metatholeiites from the Archean Ramagiri schist belt, eastern part of Dharwar craton, India:	Contrib. Mineral. Petrol.,	129,	87-104.
99N-159	Terakado, Y., Fujitani, T. and Walker, R. J.,	1997,	Nd and Sr isotopic constraints on the origin of igneous rocks resulting from opening of the Japan Sea, southwestern Japan:	Contrib. Mineral. Petrol.,	129,	75-86.
99N-160	Mathez, E. A., Hunter, R. H. and Kinzler, R.,	1997,	Petrologic evolution of partially molten cumulate: the Atok section of the Bushveld Complex:	Contrib. Mineral. Petrol.,	129,	20-34.
99N-177	Grochau, B. and Johannes, W.,	1997,	Stability of phlogopite in granitic melts, an experimental investigation:	Contrib. Mineral. Petrol.,	126,	315-330.
99N-180	Putirka, K.,	1997,	Magma transport at Hawaii: Inferences based on igneous thermobarometry:	Geol.,	25,	69-72.
99N-63	Patino, L. C., Carr, M. J. and Feigenson, M. D.,	1997,	Cross-arc geochemical variations in volcanic fields in Honduras C. A.: progressive changes in source with distance from the volcanic front:	Contrib. Mineral. Petrol.,	129,	341-351.
99N-73	Darbyshire, D. P. F. and Sewell, R. J.,	1997,	Nd and Sr isotope geochemistry of plutonic rocks from Hong Kong: implications for granite petrogenesis, regional structure and crustal evolution:	Chem. Geol.,	143,	81-93.
99N-81	Swinden, H. S., Jenner, G. A. and Szybinski, Z. A.,	1997,	Magmatic and tectonic evolution of the Cambrian-Ordovician Laurentian margin of Iapetus: Geochemical and isotopic constraints from the Notre Dame subzone, Newfoundland:	Geol. Soc. Am. Mem.,	191,	337-365.
99N-82	Srogi, L. and Lutz, T. M.,	1997,	Chemical variation in plutonic rocks caused by residual melt migration: Implications for granite petrogenesis:	Geol. Soc. Am. Mem.,	191,	309-335.
99N-83	Whalen, J. B., Jenner, G. A., Longstaffe, F. J., Gariepy, C. and Fryer, B. J.,	1997,	Implications of granitoid geochemical and isotopic (Ne, O, Pb) data from the Cambrian-Ordovician Notre Dame arc for the evolution of the Central Mobile belt, Newfoundland Appalachians:	Geol. Soc. Am. Mem.,	191,	367-395.
99N-84	Knudsen, T.-L., Andersen, T., Maijer, C. and Verschure, R. H.,	1997,	Trace-element characteristics and Pb isotopic evolution of metasediments and associated Proterozoic rocks from the amphibolite- to granulite-facies Bamble sector, southern Norway:	Chem. Geol.,	143,	145-169.
99N-88	Sherman, D. M.,	1997,	The composition of the earth's core: Constraints of S and Si vs. temperature:	Earth Planet. Sci. Lett.,	153,	149-155.
99N-89	Fitton, J. G., Saunders, A. D., Norry, M. J., Hardarson, B. S. and Taylor, R. N.,	1997,	Thermal and chemical structure of the Iceland plume:	Earth Planet. Sci. Lett.,	153,	197-208.
99N-90	Hardarson, B. S., Fitton, J. G., Ellam, R. L. and Pringle, M. S.,	1997,	Rift relocation — a geochemical and geochronological investigation of a palaeo-rift in northwest Iceland:	Earth Planet. Sci. Lett.,	153,	181-196.
99N-92	Kametsky, V. S., Crawford, A. J., Eggins, S and Mühe, R.,	1997,	Phenocryst and melt inclusion chemistry of near-axis seamounts, Valu Fa Ridge, Lau basin: insight into mantle wedge melting and addition of subduction components:	Earth Planet. Sci. Lett.,	151,	205-223.
99N-93	Korenaga, J. and Kelemen, P. B.,	1997,	Origin of gabbro sills in the Moho transition zone of the Oman ophiolite: Implications for magma transport in the oceanic lower crust:	J. Geophys. Res.,	102,	27729-27749.
99N-96	Hsu, K. J.,	1997,	A reform in earth science education after a revolution in earth science:	Episodes,	20,	151-157.
99N-97	Kohn, M. J., Spear, F. S. and Valley, J. W.,	1997,	Dehydration-melting and fluid recycling during metamorphism: Rangeley formation, New Hampshire, USA:	J. Petrol.,	38,	1255-1277.
99N-98	Bohrson, W. A. and Reid, M. R.,	1997,	Genesis of silicic peralkaline volcanic rocks in an ocean island setting by crustal melting and open-system processes: Socorro, Mexico:	J. Petrol.,	38,	1137-1166.

99N-99	Stevens, G., Clemens, J. D. and Droop, G. T. R.,	1997,	Arc rifting of the Carolina terrane in northwestern South Carolina:	Contrib. Mineral. Petrol.,	128,	352-370.
99S-105	Munyanyiwa, H., Hanson, R. E., Blenkinsop, T. G. and Treloar, P. J.,	1997,	Geochemistry of amphibolites and quartzofeldspathic gneisses in the Pan-African Zambezi belt, northwest Zimbabwe: Evidence for bimodal magmatism in a continental rift setting:	Precambrian Research,	81,	179-196.
99S-111	Dorais, M. J., Lira, R., Chen, Y. and Tingey, D.,	1997,	Origin of biotite-apatite-rich enclaves, Achala batholith, Argentina:	Contrib. Mineral. Petrol.,	130,	31-46.
99S-112	Wolf, M. B. and London, D.,	1997,	Boron in granitic magmas: Stability of tourmaline in equilibrium with biotite and cordierite:	Contrib. Mineral. Petrol.,	130,	12-30.
99S-113	Lange, R. A.,	1997,	A revised model for the density and thermal expansivity of K <sub>2</sub> O-Na <sub>2</sub> O-CaO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> liquids from 700 to 1900 K: extension to crustal magmatic temperatures:	Contrib. Mineral. Petrol.,	130,	1-11.
99T-1	Widom, E., Carlson, R. W., Gill, J. B. and Schmincke, H.-U.,	1997,	Th-Sr-Nd-Pb isotope and trace element evidence for the origin of the Sao Miguel, Azores, enriched mantle source:	Chem. Geol.,	140,	49-68.
99T-10	Dickinson, W. R.,	1997,	Tectonic implications of Cenozoic volcanism in coastal California:	Geol. Soc. Amer. Bull.,	109,	936-954.
99T-11	Thompson, A. B., Schulmann, K. and Jezek, J.,	1997,	Extraction tectonics and elevation of lower crustal metamorphic rocks in convergent orogens:	Geol.,	25,	491-494.
99T-12	Niu, Y. and Batiza, R.,	1997,	Trace element evidence from seamounts for recycled oceanic crust in the Eastern Pacific mantle:	Earth Planet. Sci. Lett.,	148,	471-483.
99T-13	Fagan, T. J. and Day, H. W.,	1997,	Formation of amphibole after clinopyroxene by dehydration reactions: Implications for pseudomorphic replacement and mass fluxes	Geol.,	25,	395-398.
99T-14	Zangana, N. A., Downes, H., Thirlwall, M. F. and Hegner, E.,	1997,	Relationship between deformation, equilibration temperatures, REE and radiogenic isotopes in mantle xenoliths (Ray Pic, Massif Central, France): an example of plume-lithosphere interaction?:	Contrib. Mineral. Petrol.,	127,	187-203.
99T-15	Grove, T. L., Donnelly-Nolan, J. M. and Housh, T.,	1997,	Magmatic processes that generated the rhyolite of Glass Mountain, Medicine Lake volcano, N. California:	Contrib. Mineral. Petrol.,	127,	205-223.
99T-16	Amato, J. M. and Wright, J. E.,	1997,	Potassic mafic magmatism in the Kigluak gneiss dome, northern Alaska: A geochemical study of arc magmatism in an extensional tectonic setting:	J. Geophys. Res.,	102,	8065-8084.
99T-18	McCarthy, T. C. and Patino Douce, A. E.,	1997,	Experimental evidence for high-temperature felsic melts formed during basaltic intrusion of the deep crust:	Geology,	25,	463-466.
99T-19	Kogiso, T., Tatsumi, Y., Shimoda, G. and Barsezus, H. G.,	1997,	High $\mu$ (HIMU) ocean island basalts in southern Polynesia: New evidence for whole mantle scale recycling of subducted oceanic crust:	J. Geophys. Res.,	102,	8085-8103.
99T-2	Spear, F. S. and Markussen, J. G.,	1997,	Mineral zoning, P-T-X-M phase relations, and metamorphic evolution of some Adirondack granulites, New York:	J. Petrol.,	38,	757-783.
99T-20	Ho, A. M. and Cashman, K. V.,	1997,	Temperature constraints on the Ginkgo flow of the Columbia River Basalt Group:	Geology,	25,	403-406.
99T-22	Peccerillo, A. and Civetta, L.,	1997,	Volcanological and petrological evolution of Vulcano island (Aeolian Arc, southern Tyrrhenian Sea):	J. Geophys. Res.,	102,	8021-8050.
99T-23	Maas, R., Nicholls, I. A. and Legg, C.,	1997,	Igneous and metamorphic enclaves in the S-type Deddick Granodiorite, Lachlan Fold Belt, SE Austraria: Petrographic, geochemical and Nd-Sr isotopic evidence for crustal melting and magma mixing:	J. Petrol.,	38,	815-841.
99T-24	Shibata, T. and Nakamura, E.,	1997,	Across-arc variations of isotope and trace element compositions from Quarternary basaltic volcanic rocks in northeastern Japan: Implications for interaction between subducted oceanic slab and mantle wedge	J. Geophys. Res.,	102,	8051-8064.
99T-3	Luhr, J. F. and Aranda-Gomez, J. J.,	1997,	Mexican peridotite xenoliths and tectonic terranes: Correlations among vent location, texture, temperature, pressure, and oxygen fugacity:	J. Petrol.,	38,	1075-1112.
99T-30	Wendt, J. I., Regelous, M., Collerson, K. D. and Ewart, A.,	1997,	Evidence for a contribution from two mantle plumes to island-arc lavas from northern Tonga:	Geol.,	25,	611-614.
99T-31	Springer, W. and Seck, H. A.,	1997,	Partial fusion of basic granulites at 5 to 15 kbar: Implications for the origin of TTG magmas:	Contrib. Mineral. Petrol.,	127,	30-45.
99T-32	Menzies, M., Gallagher, K., Yelland, A. and Hurford, A. J.,	1997,	Volcanic and nonvolcanic rifted margins of the Red Sea and Gulf of Aden: Crustal cooling and margin evolution in Yemen:	Geochim. Cosmochim. Acta,	61,	2511-2527.
99T-33	Sibuet, J. C. and Hsu, S. K.,	1997,	Geodynamics of the Taiwan arc-arc collision:	Tectonophysics	274,	221-251.
99T-34	Frost, C. D. and Frost, B. R.,	1997,	Reduced rapakivi-type granites: The tholeiite connection:	Geol.,	25,	647-650.
99T-35	Zhou, P. and Mukasa, S. B.,	1997,	Nd-Sr-Pb isotopic, and major- and trace-element geochemistry of Cenozoic lavas from the Khorat Plateau, Thailand: sources and petrogenesis:	Chemical Geol.,	137,	175-193.
99T-36	Kempton, P. D., Downes, H. and Embey-Isztin, A.,	1997,	Mafic granulite xenoliths in Neogene alkali basalts from the western Pannonian Basin: Insights into the lower crust of a collapsed orogen:	J. Petrol.,	38,	941-970.
99T-37	Roberts, M. P. and Clemens, J. D.,	1997,	Correction to Roberts and Clemens (1995) "Feasibility of AFC models for the petrogenesis of calc-alkaline magma series":	Contrib. Mineral. Petrol.,	128,	97-99.
99T-38	Pedersen, R. B. and Dunning, G. R.,	1997,	Evolution of arc crust and relations between contrasting sources: U-Pb (age), Nd and Sr isotope systematics of the ophiolitic terrain of SW Norway:	Contrib. Mineral. Petrol.,	128,	1-15.
99T-39	Tegner, C.,	1997,	Iron in plagioclase as a monitor of the differentiation of the Skaergaard intrusion:	Contrib. Mineral. Petrol.,	128,	45-51.
99T-4	Oyarzun, R., Doblaz, M., Lopez-Ruiz, J. and Cebria, J. M.,	1997,	Opening of the central Atlantic and asymmetric mantle upwelling phenomena: Implications for long-lived magmatism in western North Africa and Europe:	Geol.,	25,	727-730.
99T-40	McGuire, A. V. and Mukasa, S. B.,	1997,	Magmatic modification of the uppermost mantle beneath the Basin and Range to Colorado Plateau Transition Zone: Evidence from xenoliths, Wikieup, Arizona:	Contrib. Mineral. Petrol.,	128,	52-65.
99T-41	Wareham, C. D., Millar, I. L. and Vaughan, A. P. M.,	1997,	The generation of sodic granite magmas, western Palmer Land, Antarctic Peninsula:	Contrib. Mineral. Petrol.,	128,	81-96.
99T-42	Preston, R. J. and Bell, B. R.,	1997,	Cognate gabbroic xenoliths from a tholeiitic subvolcanic sill complex: Implications for fractional crystallization and crustal contamination processes:	Mineralogical Magazine,	61,	329-349.
99T-43	Haase, K. M., Stoffers, P. and Garbe-Schonberg, C. D.,	1997,	The petrogenetic evolution of lavas from easter island and neighbouring seamounts, near-ridge hotspot volcanoes in the SE Pacific:	J. Petrol.,	38,	785-813.

99T-44	Harris, C. and Milner, S.,	1997,	Crustal origin for the Parana rhyolites: Discussion of 'Description and petrogenesis of the Parana rhyolites, southern Brazil' by Garland et al. (1995):	J. Petrol.,	38,	299-302.
99T-5	Reid, M. R., Coath, C. D., Harrison, T. M. and McKeegan, K. D.,	1997,	Prolonged residence times for the youngest rhyolites associated with Long Valley Caldera: $^{230}\text{Th}$ - $^{238}\text{U}$ ion microprobe dating of young zircons:	Earth Planet. Sci. Lett.,	150,	27-39.
99T-6	Freydier, C., Lapiere, H., Briquieu, L., Tardy, M., Coulon, C. and Martinez-Reyes, J.,	1997,	Volcaniclastic sequences with continental affinities within the Late Jurassic-Early Cretaceous Guerrero intra-oceanic arc terrane (Western Mexico):	The J. of Geol.,	105,	483-502.
99T-7	Askren, D. R., Roden, M. F. and Whitney, J. A.,	1997,	Petrogenesis of Tertiary andesite lava flows interlayered with large-volume felsic ash-flow tuffs of the Western USA:	J. Petrol.,	38,	1021-1046.
99T-8	Lopez, R. and Cameron, K. L.,	1997,	High-Mg andesites from the Gila Bend Mountains, southwestern Arizona: Evidence for hydrous melting of lithosphere during Miocene extension:	Geol. Soc. Amer. Bull.,	109,	900-914.
99T-9	Mattie, P. D., Condie, K. C., Selverstone, J. and Kyle, P. R.,	1997,	Origin of the continental crust in the Colorado Plateau: Geochemical evidence from mafic xenoliths from the Navajo Volcanic Field, southwestern USA:	Geochim. Cosmochim. Acta,	61,	2007-2021.
99Y-444	Best, M. G. and Christiansen, E. H.,	1997,	Origin of broken phenocrysts in ash-flow tuffs:	GSA Bulletin,	109,	63-73.
99Y-123	Speranza, F., Sagnotti, L. and Mattei, M.,	1997,	Tectonics of the Umbria-Marche-Romagna Arc (central northern Apennines, Italy): New paleomagnetic constraints:	J. Geophys. Res.,	102,	3153-3166.
99Y-125	Bernard-Griffiths, J., Gruau, G., Cornen, G., Azambre, B. and Mace, J.,	1997,	Continental lithospheric contribution to alkaline magmatism: isotopic (Nd, Sr, Pb) and geochemical (REE) evidence from Serra de Monchique and Mount Ormonde Complexes:	J. Petrol.,	38,	115-132.
99Y-126	Streck, M. J. and Grunder, A. L.,	1997,	Compositional gradients and gaps in high-silica rhyolites of the Rattlesnake Tuff, Oregon:	J. Petrol.,	38,	133-163.
99Y-129	Sorensen, S. S., Grossman, J. N. and Perfit, M. R.,	1997,	Phengite-hosted LILE enrichment in eclogite and related rocks: implications for fluid-mediated mass transfer in subduction zones and arc magma genesis:	J. Petrol.,	38,	3-34.
99Y-133	Rosenbaum, J. M., Wilson, M. and Condliffe, E.,	1997,	Partial melts of subducted phosphatic sediments in the mantle:	Geol.,	25,	77-80.
10-508	P. W. Lipman	1997,	Subsidence of ash-flow calderas: relation to caldera size and magma-chamber geometry.	Bull volcanol,	59,	198-218.
99-0015	Encarnación, J. and Mukasa, S.B.,	1997,	Age and geochemistry of an 'anorogenic' crustal melt and implications for I-type granite petrogenesis:	Lithos,	42,	1-13.
99-0059	Heumann, A. and Davies, G. R.,	1997,	Isotopic and chemical evolution of the post-caldera rhyolitic system at Long Valley, California:	J. Petrol.,	38,	661-678.
99-0062	King, P.L., White, A.J.R., Chappell, B. W. and Allen C.M.,	1997,	Characterization and origin of aluminous A-type granites from the Lachlan Fold Belt, southeastern Australia:	J. Petrol.,	38,	371-391.
99-0093	Lowenstern, J.B., Clyne, M. A. and Bullen, T. D.,	1997,	Comagmatic A-type granophyre and rhyolite from the Alid Volcanic Center, Eritrea, Northeast Africa:	J. Petrol.,	38,	1707-1721.
99-0102	Webster, J.D.,	1997,	Chloride solubility in felsic melt and the role of chloride in magmatic degassing:	J.Petrology,	38,	1793-1807.
99-0109	Tanguy, J-C., Condomines, M. and Kieffer, G.,	1997,	Evolution of the Mount Etna magma: Constraints on the present feeding system and eruptive mechanism:	J. Volcanol. Geotherm. Res.,	75,	221-250.
99-0113	Conticelli, S., Francalanci, L., Manetti, P., Cioni, R. and Sbrana, A.,	1997,	Petrology and geochemistry of the ultrapotassic rocks from the Sabatini Volcanic District, central Italy: the role of evolutionary processes in the genesis of variably enriched alkaline magmas:	J. Volcanol. Geotherm. Res.,	75,	107-136.
99-0114	London, D.,	1997,	Estimating abundances of volatile and other mobile components in evolved silicic melts through mineral-melt equilibria:	J.Petrology,	38,	1691-1706.
99-0123	Bohrson, W. A. and Reid M.R.,	1997,	Genesis of silicic peralkaline volcanic rocks in an ocean island setting by crustal melting and open-system processes: Socorro Island, Mexico:	J.Petrology,	38,	1137-1166.
99-0124	Luhr, J.F.,	1997,	Extensional tectonics and the diverse primitive volcanic rocks in the western Mexican volcanic belt:	Can. Miner.,	35,	473-500.
99-0150	DeBari, S. M.,	1997,	Evolution of magmas in continental and oceanic arcs: the role of the lower crust:	Can. Miner.,	35,	501-519.
99-0181	Nixon, G.T. and Jhonston A.D.,	1997,	Nature and origin of primitive magmas at subduction zones: preface:	Can. Miner.,	35,	253-256.
99-0182	Smith, I.E.M., Worthington, T.J., Price, R.C. and Gamble, J.A.,	1997,	Primitive magmas in arc-type volcanic associations: examples from the Southwest Pacific	Can. Miner.,	35,	257-273.
99-0183	Gamble, J.A., Christie, R.H.K., Wright, I.C. and Wysoczanski, R.J.,	1997,	Primitive K-rich magmas from Clark Volcano, southern Kermadec Arc: a paradox in the K depth relationship:	Can. Miner.,	35,	275-290.
99-0184	Della-Pasqua, F.N. and Varne, R.,	1997,	Primitive ankaramitic magmas in volcanic arcs: a melt-inclusion approach:	Can. Miner.,	35,	291-312.
99-0185	Danyushevsky, L.V., Carroll, M.R. and Falloon, T.J.,	1997,	Origin of high-An plagioclase in Tongan high-Ca boninites: implications for plagioclase melt equilibria at low P(H <sub>2</sub> O)	Can. Miner.,	35,	313-326.
99-0186	Knittel, U., Hegner, E., Bau, M. and Satir, M.,	1997,	Enrichment processes in the sub-arc mantle: a Sr Nd Pb isotopic and REE study of primitive arc basalts from the Philippines:	Can. Miner.,	35,	327-346.
99-0187	Gust, D.A., Arculus, R.J. and Kersting, A.B.,	1997,	Aspects of magma sources and processes in the Honshu Arc:	Can. Miner.,	35,	347-365.
99-0188	Conrey, R.M., Sherrod, D.R. Hooper, P.R. and Swanson, D.A.,	1997,	Diverse primitive magmas in the Cascade arc, northern Oregon and southern Washington:	Can. Miner.,	35,	367-396.
99-0189	Bacon, C.R., Bruggman, P.E., Christiansen, R.L., Clyne, M.A., Donnelly-Nolan, J.M. and Hildreth, W.,	1997,	Primitive magmas at five Cascades volcanic fields: melts from hot, heterogeneous sub-arc mantle:	Can. Miner.,	35,	397-423.
99-0190	Borg, L.E., clyne, M.A. and Bullen, T.D.,	1997,	The variable role of slab-derived fluids in the generation of a suite of primitive calc-alkaline lavas from the southernmost Cascades, California:	Can. Miner.,	35,	425-452.
99-0191	Clyne, M.A. and Borg, L.E.,	1997,	Olivine and chromian spinel in primitive calc-alkaline and tholeiitic lavas from the southernmost Cascade Range, California: a reflection of relative fertility of the source:	Can. Miner.,	35,	453-472.



(Marine volcanology, Kumamoto Univ.)

- 99-0192 Russell, J.K. and Snyder, L.D., 1997, Petrology of picritic basalts from Kamloops, British Columbia: primary liquids from a Trassic-Jurassic arc: *Can. Miner.*, 35, 521-541.
- 99-0193 Varfalvy, V., Hébert, R., Bédard, J.H. and Laffè che, M.R., 1997, Petrology and Geochemistry of pyroxenite dykes in upper mantle peridotites of the North Arm Mountain massif, Bay of Islands ophiolite, Newfoundland: implications for the genesis of boninitic and related magmas: *Can. Miner.*, 35, 543-570.
- 99-0202 Hekinian, R., Stoffers, P., Devey, C., Ackerman, D., Hémond, C., O'Connor, J., Binard, N. and Maia, M., 1997, Intraplate versus ridge volcanism on the Pacific-Antarctic Ridge near 37° S-111° W: *J. Geophys. Res.*, 102, 12265-12286.
- 99-0211 Kincaid, C. and Sacks, I.S., 1997, Thermal and dynamical evolution of the upper mantle in subduction zones: *J. Geophys. Res.*, 102, 12295-12317.
- 99-0213 Mills Jr., J.G., Saltoun, B. and Vogel, T.A., 1997, Magma batches in the Timber Mountain magmatic system, Southwestern Nevada Volcanic Field, Nevada, USA: *J. Volcanol. Geotherm. Res.*, 78, 185-208.
- 99-0227 Föster, H.-J., Tischendorf, G. and Trumbull, R.B., 1997, An evaluation of the Rb vs. (Y+Nb) discrimination diagram to infer tectonic setting of silicic igneous rocks: *Lithos*, 40, 261-293.
- 99-0230 Civetta, L., Orsi, G., Pappalardo, L., Fisher, R.V., Heiken, G. and Ort, M., 1997, geochemical zoning, mingling, eruptive dynamics and depositional processes: the Campanian Ignimbrite, Campi Flegrei caldera, Italy: *J. Volcanol. Geotherm. Res.*, 75, 183-219.
- 99-0234 Calvache V, M.L. and Williams, S.N., 1997, Geochemistry and petrology of the Galeras Volcanic Complex, Colombia: *J. Volcanol. Geotherm. Res.*, 77, 21-38.
- 99-0235 Monzier, M., Robin, C., Eissen, J-P. and Cotton, J., 1997, geochemistry vs. seismo-tectonics along the volcanic New Hebrides Central Chain (Southwest Pacific): *J. Volcanol. Geotherm. Res.*, 78, 1-29.
- 99-0239 Kobayashi, K., Nakamura, E., Shibata, T. and Makishima, A., 1997, Sr, Nd and Pb isotope systematics of Akagi volcano, Northeast Japan: implications for interaction between island arc magma and lower crust: *Proc. J. Academy.*, 73, 69-73.
- 99-0290 Hirose, K., 1997, Melting experiments on lherzolite KLB-1 under hydrous conditions and generation of high-magnesian andesitic melts: *Geology*, 25, 42-44.
- 99-0292 Shinjoe, H., 1997, Origin of the granodiorite in the forearc region of Southwest Japan: melting of the Shimanto accretionary prism: *Chem. Geol.*, 134, 237-255.
- 99-0378 Askren, D.R., Roden, M.F. and Whitney, J.A., 1997, Petrogenesis of Tertiary andesite lava flows interlayered with large-volume felsic ash-flow tuffs of the western USA: *J. Petrol.*, 38, 1021-1046.
- 99-0421 Seyitoglu, G., Anderson, D., Nowell, G. and Scott, B., 1997, The evolution from Miocene potassic to Quaternary sodic magmatism in western Turkey: implications for enrichment processes in the lithospheric mantle: *J. Volcanol. Geotherm. Res.*, 76, 127-147.
- 99-0425 Morra, V., Secchi, F.A.G., Melluso, L. and Franciosi, L., 1997, High-Mg subduction-related Tertiary basalts in Sradinia, Italy: *Lithos*, 40, 69-91.
- 99-0426 Straub, S.M., 1997, Multiple sources of Quaternary tephra layers in the Mariana Trough: *J. Volcanol. Geotherm. Res.*, 76, 313-322.
- 99-0432 Chappell, B.W., 1997, Compositional variation within granite suites of the Lachlan Fold Belt: its causes and implications for the physical state of granitic magma: *Trans. R. Soc. Edin., Earth Sci.*, 88, 159-170.
- 99-0434 Wilson, C.J.N. and Hildreth, W., 1997, The Bishop Tuff: new insights from eruptive stratigraphy: *J. Geology*, 105, 407-439.
- 99-0490 Spörl, K.B. and Eastwood, V.R., 1997, Elliptical boundary of an intraplate volcanic field, Auckland, New Zealand: *J. Volcanol. Geotherm. Res.*, 79, 169-179.
- 99-0491 Korme, T., Chorowicz, J., Collet, B. and Bonavia, F.F., 1997, Volcanic vents rooted on extension fractures and their geodynamic implications in the Ethiopian Rift: *J. Volcanol. Geotherm. Res.*, 79, 205-222.
- 99-0493 Chesner, C.A. and Halsor, S.P., 1997, Geochemical trends of sequential lava flows from Meseta volcano, Guatemala: *J. Volcanol. Geotherm. Res.*, 78, 221-237.
- 99-0494 Hort, M., 1997, Cooling and crystallization in sheet-like magma bodies revised: *J. Volcanol. Geotherm. Res.*, 76, 297-317.
- 99-0495 White, M.J. and McPhie, J., 1997, A submarine welded ignimbrite-crystal-rich sandstone facies association in the Cambrian Tyndall Group, western Tasmania, Australia: *J. Volcanol. Geotherm. Res.*, 76, 277-295.
- 99-0496 Rita, D.D., Giordano, G. and Milli, S., 1997, Forestepping-backstepping stacking pattern of volcanoclastic successions: Roccamonfina volcano, Italy: *J. Volcanol. Geotherm. Res.*, 78, 267-288.
- 99-0498 Smith, T.R. and Cole, J.W., 1997, Somers ignimbrite formation: Cretaceous high-grade ignimbrites from South Island, New Zealand: *J. Volcanol. Geotherm. Res.*, 75, 39-57.
- 99-0513 Martinelli, B., 1997, Volcanic tremor and short-term prediction of eruptions: *J. Volcanol. Geotherm. Res.*, 77, 305-311.
- 99-0519 Wolf, K.J. and Eichelberger, J.C., 1997, Syneruptive mixing, degassing, and crystallization at Redoubt volcano, eruption of December, 1989 to May 1990: *J. Volcanol. Geotherm. Res.*, 75, 19-37.
- 99-0520 Calvache V, M.L. and Williams, S.N., 1997, Emplacement and petrological evolution of the andesitic dome of Galeras volcano, 1990-1992: *J. Volcanol. Geotherm. Res.*, 77, 57-69.
- 99-0521 Cribb, J.W. and Barton, M., 1997, Significance of crustal and source region processes on the evolution of compositionally similar calc-alkaline lavas, Mt. Hood, Oregon: *J. Volcanol. Geotherm. Res.*, 76, 229-249.
- 99-0533 Uchiumi, S. and Uto, K., 1997, K-Ar dating on age-unknown volcanic rocks in the northwestern part of the "geological map of Japan 1: 200,000 Kagoshima" (In Japanese, with English abstract): *Bull. Geol. Surv. Japan*, 48, 107-112.
- 99-0535 Uto, K., Ishizuka, O., Matsumoto, A., Kamioka, H. and Togashi, S., 1997, Laser-heating <sup>40</sup>Ar/<sup>39</sup>Ar dating system of the Geological Survey of Japan: system outlined and preliminary results: *Bull. Geol. Surv. Japan*, 48, 23-46.
- 99-0632 Ogasawara, M., 1997, K-Ar age and geochemical characteristics of the quartz-porphry at Shimama, southern Tanegashima, and K-Ar age of a lamprophyre from northern Tanegashima: implications for Miocene igneous activities in the Outer Zone of Southwest Japan (In Japanese, with English abstract): *J. Mineral. Petrol. Econ. Geol.*, 92, 454-464.
- 99-0681 Hatae, K., Watanaba, K., Watanabe, K., Tsutsui, T. and Motomura, Y., 1997, Variation in content of vesiculated glasses in volcanic ash erupted from Kuji volcano in 1998-96, Japan: *Bull. volcanol. Soc. Japan*, 42, 345-353.
- 99-0723 Kamata, H. and Kobayashi, T., 1997, The eruptive rate and history of Kuju volcano in Japan during the past 15,000 years: *J. Volcanol. Geotherm. Res.*, 76, 163-171.
- 99-0800 Ohta, K., 1997, Reviews on the prediction of the 1990-1995 eruption of Unzen volcano and supporting system for risk management (In Japanese, with English abstract): *Bull. Volcanol., Soc. Japan*, 42, 61-74.
- 99-0848 Uto, K., Sakaguchi, K., Teraoka, Y., Okumura, K. and Komazawa, M., 1997, Geological map of Japan 1:200,000, Kagoshima. *Geol. Surv. Japan*,
- 99-0849 Nakamura, T., Okuno, M. and Naruo, H., 1997, 火山噴火の年代測定法—特に加速器質量分析 (AMS) 法による<sup>14</sup>C年代測定について— *月刊地球*, 214, 195-200.
- 99-0850 Nakamura, T. and Oda, H., 1997, 加速器質量分析 (AMS)法による<sup>14</sup>C年代測定の現状と考古学・文化財科学への応用: *月刊地球*, 214, 201-207.
- 99-0851 Kuwahata, M. and Higashi, K., 1997, 南九州の火山灰と考古遺跡: *月刊地球*, 214, 208-214.

99-0852	Naruo, H., Nagayama, S. and Shimoyama, S.,	1997,	開聞岳の古墳時代噴火と平安時代噴火による災害:	月刊地球	214,	215-222.
99-0853	Ueno, H., Okamura, M. and Kobayashi, T.,	1997,	桜島火山歴史溶岩による南九州の考古古地磁気編年:	月刊地球	214,	223-226.
99-0854	Kobayashi, T. and Ezaki, M.,	1997,	桜島火山噴火史の再検討:	月刊地球	214,	227-231.
99-0855	Okuno, M.,	1997,	桜島テフラ群の放射性炭素(14C)年代学:	月刊地球	214,	231-235.
99-0856	Moriwaki, H.,	1997,	始良カルデラ周辺における最終氷期最盛期以降の海水準変化にともなう古環境変化と火山噴火	月刊地球	214,	236-241.
99-0857	Yokota, S. and Okuno, M.,	1997,	ボーリングコア試料の14C年代値に基づく鹿児島沖積平野の形成	月刊地球	214,	242-246.
99-0858	Oki, K. and Okada, H.,	1997,	第四紀における始良カルデラ周辺地域の構造発達史:	月刊地球	214,	247-251.
99-0859	Sugiyama, S. Souda, T.,	1997,	南九州の植生と古環境	月刊地球	214,	252-257.
99-0860	Nagaoka, S., Okuno, M. and Torii, M.,	1997,	2万5千年前以前の始良カルデラの噴火史	月刊地球	214,	257-262.
99-0865	Tsuruga, K., Yomogida, K., Honda, S., Ito, H., Ohminato, T. and Kawakatsu, H.,	1997,	Spatial and temporal variations of volcanic earthquakes at Sakurajima Volcano, Japan:	J. Volcanol. Geotherm. Res.,	75,	337-358.
99-0947	Paulick, H. and Franz, G.,	1997,	The color of pumice: case study on a trachytic fall deposit, Meidob volcanic field, Sudan:	Bull. Volcanol.,	59,	171-185.
99-1027	Fisher, R.V., Heiken, G. and Hulen, J. B.,	1997,	Chapter 5: Volcanic hurricanes	In Fisher, R.V., Heiken, G. and Hulen, J. B. (Editors) Volcanoes,	Princeton Univ. Press, Princeton, New Jersey	89-114.
99-1028	Fisher, R.V., Heiken, G. and Hulen, J. B.,	1997,	Chapter 6: Falling Volcanoes and Floods of Mud	In Fisher, R.V., Heiken, G. and Hulen, J. B. (Editors) Volcanoes,	Princeton Univ. Press, Princeton, New Jersey	115-132.
99-1029	Fisher, R.V., Heiken, G. and Hulen, J. B.,	1997,	Preface	In Fisher, R.V., Heiken, G. and Hulen, J. B. (Editors) Volcanoes,	Princeton Univ. Press, Princeton, New Jersey	XIV, 38-39, 42-48.
99-1162	Eggins, S.M., Woodhead, J.D., Kinsley, L.P.J., Mortimer, G.E., Sylvester, P., McCulloch, M.T., Hergt, J.M. and Handler, M.R.,	1997,	A simple method for the precise determination of > 40 trace elements in geological samples by ICPMS using enriched isotope internal standardisation:	Chem. Geol.,	134,	311-326.
99-1196	Tada, T., Sagiya, T. and Miyazaki, S.,	1997,	GPSでみた変動する日本列島	科学	67,	917-927.
99-1197	Tanaka, A. and Nakano, T.,	1997,	Some problems on displacement field mapped by SAR interferometry (In Japanese, with English abstract):	J. Seismol. Soc. Japan,	50,	89-99.
99-1200	Uto, K. and Uchiumi, S.,	1997,	K-Ar ages for Maruyama lava dome in Hiwaki Town, Kagoshima Prefecture, Southwest Japan: A Quaternary volcano constituting a second volcanic row of Ryukyu arc (In Japanese):	Bull. Volcanol. Soc. Japan,	42,	299-302.
99-1201	Uto, K., Sakaguchi, K. and Uchiumi, S.,	1997,	Volcanic history and the formation of a volcano-tectonic graben in the Hokusatsu Volcanic Field, Kagoshima, SW Japan (In Japanese):	Proc. of Restroration of history of volcanic activity by using paleomagnetic approach, DPRI-KU meeting 9s-4,	Disaster Prevention Reserch Institute Kyoto University,	89-95.
99-1226	Bryant, C.J., Arculus, R.J. and Chappell, B.W.,	1997,	Clarence River Supersuite: 250 Ma Cordilleran tonalitic I-type intrusions in Eastern Australia:	J. Petrology,	38,	975-1001.
99-1227	Maas, R., Nicholls, I.A. and Legg, C.,	1997,	Igneous and metamorphic enclaves in the S-type Deddick Granodiorite, Lachlan Fold Belt, SE Australia: petrographic, geochemical and Nd-Sr isotopic evidence for crustal melting and magma mixing:	J. Petrology,	38,	815-841.
99-1290	Pin, C. and Zalduogui, J.F.S.,	1997,	Sequential separation of light rare-earth elements, thorium and uranium by miniaturized extraction chromatography: application to isotopic analyses of silicate rocks:	Anal. Chim. Acta.,	339,	79-89.
99-1297	Hofmann, A.W.,	1997,	Mantle geochemistry: the message from oceanic volcanism:	Nature,	385,	219-229.
99-1433	桑畑光博, 東和幸	1997,	南九州の火山灰と考古遺物。	月間地球,	19,	208-214.
12-269	N. Christian Smoot	1997,	Aligned buoyant highs, across-trench deformation, clustered volcanoes, and deep earthquakes are not aligned with plate-tectonic theory.	Geomorphology,	18,	199-222.
12-325	Rubin, K_ H_	1997,	230Th/234U-238U Ages of Coral Clasts in Gravel Deposits from Southern Lana' i, Hawai' i: Clast Ages Are Not Deposit Ages but Give Insight into the Origin of the deposit.	AGU fall meeting abstract	V31E-08	
12-468	T. MULDER*, B. SAVOYE and J.P. M. SYVITSKI	1997,	Numerical modelling of a mid-sized gravity flow: the 1979 Nice turbidity current (dynamics, processes, sediment budget and seafloor impact).	Sedimentology,	44,	305-326.
12-476	Bo QIU, DEBORAH A. KOH, CLAUDE LUMPKTN, AND PIERRE FLAMENT,	1997,	Existence and formation mechanism of the North Hawaiian Current.	American Meteorological Society	27,	431-444.
12-531	Mitsuru Okuno a.*, Toshio Nakamura b' Hiroshi Moriwaki .c, Tetsuo Kobayashi	1997,	AMS radiocarbon dating of the Sakurajima tephra group, Southern Kyushu, Japan.	Nuclear Instruments and Methods in Physics Research B	123,	470-474.
12-614	Martin Hovland a.*, Andrew Hill b, David Stokes	1997,	The structure and geomorphology of the Dashgil mud volcano, Azerbaijan.	Geomorphology,	21,	1-15.
12-b017	Sally M. Bower and Andrew W. Woods	1997,	Control of n1agn1a volatile content and chan1ber depth on the n1ass erupted during explosive volcanic eruptions.	Journal of Geophysical Research,	102,	10273-10290.
15-018	Hironao Shinjoe	1997,	Origin of the granodiorite in the forearc region of southwest Japan: Melting of the Shimanto accretionary prism	Chemical Geology	134,	237-255.
16-112	Martin Hovland a.*, Andrew Hill b, David Stokes	1997,	The structure and geomorphology of the Dashgil mud volcano, Azerbaijan	geomorphology	21,	1-15.
00-0014	Imai, N., Terashima, S., Itoh, S. and Ando, A.,	1996,	1996 compilation of analytical data on nine GSJ geochemical reference samples, "Sedimentary rock series".	Geostandards newsletter,	20,	165-216.
00-0016	Moore, J.G., Ingram, B.L., Ludwig, K.R. and Clague, D.A.,	1996,	Coral ages and island subsidence, Hilo drill hole	J. Geophys. Res.,	101,	11599-11605

00-0019	DePaolo, D.J.,	1996,	High-frequency isotopic variations in the Mauna Kea tholeiitic basalt sequence: melt zone dispersivity and chromatography	J. Geophys. Res.,	101,	11855-11864.
00-0020	Albarede, F.,	1996,	High-resolution geochemical stratigraphy of Mauna Kea flows from the Hawaii scientific drilling project core	J. Geophys. Res.,	101,	11841-11853.
00-0021	Hofmann, A.W. and Jochum, K.P.,	1996,	Source characteristics derived from very incompatible trace elements in Mauna Loa and Mauna Kea basalt, Hawaii scientific drilling project	J. Geophys. Res.,	101,	11831-11839.
00-0022	Feigenson, M.D., Patino, L.C. and Carr, M.J.,	1996,	Constraints on partial melting imposed by rare earth element variations in Mauna Kea basalts	J. Geophys. Res.,	101,	11815-11829.
00-0023	Eiler, J.M. and Valley, J.W. and Stolper, E.M.,	1996,	Oxygen isotope ratios in olivine from the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11807-11813.
00-0024	Hauri, E.H., Lassiter, J.C. and DePaolo, D.J.,	1996,	Osmium isotope systematics of drilled lavas from Mauna Loa, Hawaii	J. Geophys. Res.,	101,	11793-11806.
00-0025	Kurz, M.D. and Kenna, T.C.,	1996,	helium isotopic evolution of Mauna Kea volcano: first results from the 1-km drill core	J. Geophys. Res.,	101,	11781-11791.
00-0026	Lassiter, J.C., depaolo, D.J. and Tatsumoto, M.,	1996,	Isotopic evolution of Mauna Kea volcano: results from the initial phase of the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11769-11780.
00-0027	Yang, H.-J., Frey, F.A., Rhodes, J.M. and Garcia, M.O.	1996,	Evolution of Mauna Kea volcano: inferences from lava compositions recovered in the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11747-11767.
00-0028	Rhodes, J.M.,	1996,	Geochemical stratigraphy of lava flows sampled by the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11729-11746.
00-0029	Baker, M.B., Alves, S. and Stolper, E.M.,	1996,	Petrography and petrology of the Hawaii scientific drilling project lavas: inferences from olivine phenocryst abundances and compositions	J. Geophys. Res.,	101,	11715-11727.
00-0030	Garcia, M.O.,	1996,	Petrography and olivine and glass chemistry of lavas from the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11701-11713.
00-0031	Morin, R.H. and Paillet, F.L.,	1996,	Analysis of fractures intersecting Kahi Puka well 1 and its relation to the growth of the island of Hawaii	J. Geophys. Res.,	101,	11695-11699.
00-0032	Thomas, D.M., Paillet, F.L. and Conrad M.E.,	1996,	hydrogeology of the Hawaii scientific drilling project borehole KP-1 2. Groundwater geochemistry and regional flow patterns.	J. Geophys. Res.,	101,	11683-11694.
00-0033	Paillet, F.L. and Thomas, D.M.,	1996,	hydrogeology of the Hawaii scientific drilling project borehole KP-1 1. Hydraulic conditions adjacent to the well bore	J. Geophys. Res.,	101,	11675-11682.
00-0034	Garnier, F., Laj, C., Herrero-Bervera, E., Kissel, C. and Thomas, D.M.,	1996,	Preliminary determinations of geomagnetic field intensity for the last 400 kyr from the Hawaii scientific drilling project core, Big Island, Hawaii	J. Geophys. Res.,	101,	11665-11673.
00-0035	Holt, J.W. and Kirschvink, J.L.,	1996,	geomagnetic field inclinations for the past 400kyr from the 1-km core of the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11655-11663.
00-0036	DePaolo, D.J. and Stolper, E.M.,	1996,	Models of Hawaiian volcano growth and plume structure: implications of results from the Hawaii scientific drilling project	J. Geophys. Res.,	101,	11643-11654.
00-0037	Lipman P.W. and Moore, J.G.,	1996,	Mauna Loa lava accumulation rates at the Hilo drill site: formation of lava deltas during a period of declining overall volcanic growth	J. Geophys. Res.,	101,	11631-11641.
00-0038	Beeson, M.H., Clague, D.A. and Lockwood, J.P.,	1996,	Origin and depositional environment of clastic deposits in the Hilo drill hole, Hawaii	J. Geophys. Res.,	101,	11617-11629.
00-0039	Sharp, W.D., Turrin, B.D., Renne, P.R. and Lanphere, M.A.,	1996,	The $^{40}\text{Ar}/^{39}\text{Ar}$ and $\text{K}/\text{Ar}$ dating of lavas from the Hilo 1-km core hole, Hawaii scientific drilling project	J. Geophys. Res.,	101,	11607-11616.
00-0040	Stolper, E.M. and DePaolo, D.J.,	1996,	Introduction to special section: Hawaii scientific drilling project	J. Geophys. Res.,	101,	11593-11600.
00-0045	Labazuy, P.,	1996,	Recurrent landslides events on the submarine flank of Piton de la Fournaise volcano (Reunion Island)	Geol. Soc. Spec. Pub.,	110,	295-306.
00-0049	Prior, D.B., Bornhold, B.D. and Johns, M.W.,	1996,	Depositional characteristic of a submarine debris flow	Geol. Soc. Spec. Pub.,	110,	281-294.
00-0050	Garcia, M.O.,	1996,	Turbidites from slope failure on Hawaiian volcanoes	Geol. Soc. Spec. Pub.,	110,	281-294.
00-0060	Duncan, A.M., Cole, P.D., Guest, J.E. and Chester, D.K.,	1996,	Transport and emplacement mechanisms of mass-flow, deposits on Monte Vulture volcano, Basilicata, southern Italy	Geol. Soc. Spec. Pub.,	110,	237-247.
00-0146	Mortimer, N. and Parkinson, D.,	1996,	Hikurangi plateau: a Cretaceous large igneous province in the southwest Pacific Ocean.	J. Geophys. Res.,	101,	687-696.
00-0147	Hochstaedter, A.G., Kepezhinskas, P. and Defant M.,	1996,	Insights into the volcanic arc wedge from magnesian lavas from the Kamchatka arc.	J. Geophys. Res.,	101,	697-712.
00-0192	McGuire, W.J.,	1996,	Volcano instability: a review of contemporary themes	Geol. Soc. Spec. Pub.,	110,	1-23.
00-0209	Carracedo, J. C.,	1996,	A simple model for the genesis of large gravitational landslide hazards in the Canary islands.	McGuire, W. J. , Jones, A.P. and Neuberg, P.A.(eds): Volcano instability on the Earth and other planets, Geol. Soc. Spec. Pub.,	110,	125-135.
00-0220	Siebert, L.,	1996,	Hazards of large volcanic debris avalanches and associated eruptive phenomena.	In Tilling R. I. And Scarpa R. (editors), Monitoring and mitigation of volcano,	Springer-Verlag, Berlin	541-572.
02-0045	Smith, R.D., Cameron, K.L., McDowell, F.W., Niemeyer, S., Sampson, D.E.,	1996,	Generation of voluminous silicic magmas and formation of mid-Cenozoic crust beneath north-central Mexico: evidence from ignimbrites, associated lavas, deep crustal granulites, and mantle pyroxenites.	Contrib. Mineral. Petrol.,	123,	375-389.
02-0048	Srogi, L., Lutz, T.M.,	1996,	The role of residual melt migration in producing compositional diversity in a suite of granitic rocks.	Earth Planet. Sci. Lett.,	144,	563-576.
02-0085	Gregg, T.K.P., Fornari, D.J., Perfit, M.R., Haymon, R.M., and Fink, J.H.,	1996,	Rapid emplacement of a mid-ocean ridge lava flow on the East Pacific Rise at 9° 46' - 51' N.	Earth Planet. Sci. Lett.,	144,	E1-E7.
02-0099	van Wyk de Vries, B., and Borgia, A.,	1996,	The role of basement in volcano deformation.	Geol. Soc. Spec. Pub.,	110,	95-110.
02-0115	Wright, I.C.,	1996,	Volcaniclastic processes on modern submarine arc stratovolcanoes: sidescan and photographic evidence from the Rumble IV and V volcanoes, southern Kermadec Arc (SW Pacific).	Marine geol.,	136,	21-39.
03-0162	Mulder, T., and Cochonat, P.,	1996,	Classification of offshore mass movements.	J. Sediment. Res.,	66,	43-57.
03-0174	Glicken, H.,	1996,	Rockslide-debris avalanche of May 18, 1980, Mount St. Helens volcano, Washington.	U.S. Geol. Surv. Open-File report	96-677,	1-90.

04-021	Guyodo, Y., and Valet, J.-P.,	1996,	Relative variations in geomagnetic intensity from sedimentary records: the past 200,000 years.	Earth Planet. Sci. Lett.,	143,	23-36.
04-030	Reading, H. G.,	1996,	Sedimentary environments: Processes, Facies and Stratigraphy	Blackwell Sci.,	688 pp.	
05-013	Kano, K., Yamamoto, T., and Ono, K.,	1996,	Subaqueous eruption and emplacement of the Shinjima pumice, Shinjima (Moeshima) Island, Kagoshima Bay, SW Japan.	J. Volcanol. Geotherm. Res.,	71,	187-206.
05-023	Wood, C.P., and Browne, P.R.L.,	1996,	Chlorine-rich pyrometamorphic magma at White Island volcano, New Zealand.	J. Volcanol. Geotherm. Res.,	72,	21-35.
05-027	Stimac, J., Hickmott, D., Abell, R., Larocque, A.C.L., Broxton, D., Gardner, J., Chipera, S., Wolff, J., and Gauerke, E.,	1996,	Redistribution of Pb and other volatile trace metals during eruption, devitrification, and vapor-phase crystallization of the Bandelier Tuff, New Mexico.	J. Volcanol. Geotherm. Res.,	73,	245-266.
05-054	Bak, P.,	1996,	How nature works: the science of self-organized criticality.	Springer-Verlag	New York,	212pp.
05-058	Yokoi, Y., Carr, J.R., and Watters, R.J.,	1996,	Analysis of landslide block development process using its fractal character.	J. Japan Soc. Engineering Geol.,	37,	29-39.
06-007	Head, J.W., and Wilson, L.,	1996,	Mid-ocean ridge eruptive vent morphology and substructure: evidence for dike widths, eruption rates, and evolution of eruptions and axial volcanic ridges.	J. Geophys. Res.	101,	28265-28280.
06-031	Knesel, K.M., and Davidson, J.P.,	1996,	Isotopic disequilibrium during melting of granite and implications for crustal contamination of magmas.	Geology,	24,	243-246.
06-094	Brown M.,	1996,	Preface.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	
06-095	Thompson, A.B.,	1996,	Fertility of crustal rocks during anatexis.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	1-10.
06-096	Barboza, S.A., Bergantz, G.W.,	1996,	Dynamic model of dehydration melting motivated by a natural analogue: applications to the Ivrea-Verbano zone, northern Italy.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	23-31.
06-097	Watson, E.B.,	1996,	Dissolution, growth and survival of zircons during crustal fusion: kinetic principles, geological models and implications for isotopic inheritance.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	43-56.
06-098	Holtz, F., Scaillet, B., Behrens, H., Schulze, F., Pichavant, M.,	1996,	Water contents of felsic melts: application to the rheological properties of granitic magmas.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	57-64.
06-099	Rushmer, T.,	1996,	Melt segregation in the lower crust: how have experiments helped us.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	73-83.
06-100	Sawyer, E.W.,	1996,	Melt segregation and magma flow in migmatites: implications for the generation of granite magmas.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	85-94.
06-101	Weinberg, R.F.,	1996,	Ascent mechanism of felsic magmas: news and views.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	95-103.
06-102	Petford, N.,	1996,	Dykes or diapirs.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	105-114.
06-103	Paterson, S.R., Fowler Jr., T.K., Miller, R.B.,	1996,	Pluton emplacement in arcs: a crustal-scale exchange process.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	115-123.
06-104	Anderson, J.L.,	1996,	Status of thermobarometry in granitic batholiths.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	125-138.
06-105	Nekvasil, H., Carroll, W.,	1996,	Experimental constraints on the compositional evolution of crustal magmas.	Trans. Royal Soc. Edinber. Earth Sci.,	87,	139-146.
06-106	Blatt, H., and Tracy, R.J.	1996,	introduction	Petrology: Igneous, Sedimentary, and Metamorphic.	W.H. Freeman: New York	
06-107	Blatt, H., and Tracy, R.J.	1996,	title page	Petrology: Igneous, Sedimentary, and Metamorphic.	W.H. Freeman: New York	
06-108	Blatt, H., and Tracy, R.J.	1996,	chapter 9 Igneous rocks of convergent margins.	Petrology: Igneous, Sedimentary, and Metamorphic.	W.H. Freeman: New York	169-
06-109	Blatt, H., and Tracy, R.J.	1996,	chapter 19 Isograds, metamorphic facies, and pressure-temperature evolution.	Petrology: Igneous, Sedimentary, and Metamorphic.	W.H. Freeman: New York	375-
06-110	Blatt, H., and Tracy, R.J.	1996,	chapter 10 igneous rocks of continental lithosphere.	Petrology: Igneous, Sedimentary, and Metamorphic.	W.H. Freeman: New York	191-
06-3049	Houghton, B.F., Wilson, C.J.N., Rosenberg, M.D., Smith, I.E.M., Parker, R.J.,	1996,	Mixed deposits of complex magmatic and phreatomagmatic volcanism: an example from Creater Hill, Auckland, New Zealand.	Bull volcanol.,	58,	59-66.
06-3082	Sohn, Y. K.,	1996,	Hydrovolcanic processes forming basaltic tuff rings and cones on Cheju Island, Korea.	GSA Bull.,	108,	1199-1211.
06-3108	Gribble, R.F., Stern, R.J., Bloomer, S.H., Stuben, D., O'Hearn, T., Newman, S.,	1996,	MORB mantle and subduction components interact to generate basalts in the southern Mariana Trough back-arc basin.	Geochim. Et Cosmochim. Acta.,	60,	2153-2166.
07-099	McDermott, F., Harris, N.B.W., Hawkesworth, C.J.,	1996,	Geochemical constrains on crustal anatexis: a case study from the Pan-African Damara granitoids of Namibia.	Contrib. Mineral., Petrol.,	123,	406-423.
07-100F	Falloon, T.J., Green D.H., O'Neill, H.st C.,	1996,	Quest for low-degree mantle melts.	Nat.,	381,	285-286.
07-115	Hammouda, T., Pichavant, M., Chaussidon, M.,	1996,	Isotopic equilibration during partial melting: an experimental test of the behaviour of Sr.	Earth, Planet., Sci., Lett.,	144,	109-121.
07-162	Brenan, J.M., Shaw, H.F., Ryerson, F.J., Phinney, D.L.,	1996,	Erratum to "Experimental determination of trace element partitioning between pargasite and a synthetic hydrous andesitic melt" [Earth Planet. Sci. Lett. 135 (1995) 1-11]	Earth, Planet., Sci., Lett.,	140,	287-288.
07-168	Dade, W.B., Huppert, H.,	1996,	Emplacement of the Taupo ignimbrite by a dilute turbulent flow.	Nat.,	381,	509-512.
07-169	Druitt, T.,	1996,	Turbulent times at Taupo.	Nat.,	381,	476-477.

- 07-181 Ariskin, A.A., Nikolaev, G.S., 1996, An empirical model for the calculation of spinel-melt equilibria in mafic igneous systems at atmospheric pressure: 1. Chromian spinels. *Contrib., Mineral., Petrol.*, 123, 282-292.
- 07-184 Griffin, W.L., Ryan, C.G., 1996, An experimental calibration of the "nickel in garnet" geothermometer with applications, by D. Canil: discussion. *Contrib., Mineral., Petrol.*, 124, 216-218.
- 07-185 Canil, D., 1996, An experimental calibration of the nickel in garnet geothermometer with applications: reply. *Contrib., Mineral., Petrol.*, 124, 219-223.
- 07-186 Ash, R.D., Knott, S.F., Turner, G., 1996, A 4-Gyr shock age for a martian meteorite and implications for the cratering history of Mars. *Nat.*, 380, 57-59.
- 07-193 Castro, A., Fernandez, C., De la Rosa, J.D., Moreno-Ventas, I., Rogers, G., 1996, Significance of MORB-derived amphibolites from the Aracena metamorphic belt, Southwest Spain. *J. Petrol.*, 37, 235-260.
- 07-197 Boudier, F., Nicolas, A., Ildefonse, B., 1996, Magma chambers in the Oman ophiolite: fed from the top and the bottom. *Earth, Planet., Sci., Lett.*, 144, 239-250.
- 08-010 Stow, D.A.V., Reading, H.G., Collinson, J.D., 1996, Deep sea. In Reading, H.G., (ed), *Sedimentary environments: Processes, Facies and Stratigraphy* Blackwell, 395-452.
- 08-016 Carter, R.M., Carter, L., 1996, The abyssal Bounty Fan and lower Bounty Channel: evolution of a rifted-margin sedimentary system. *Marine Geol.*, 130, 181-202.
- 08-021 Shanmugan, G., 1996, High-density turbidity currents: are they sandy debris flows? *J. Sedi. Res.*, 66, 2-10.
- 08-111 Kendall, J.-M., Silver, P.G., 1996, Constraints from seismic anisotropy on the nature of the lowermost mantle. *Nature*, 381, 409-412.
- 08-160 You, C.-F., Castillo, P.R., Gieskes, J.M., Chan, L.H., Spivack, A.J., 1996, Trace element behavior in hydrothermal experiments: implications for fluid processes at shallow depths in subduction zones. *Earth Planet. Sci. Lett.*, 140, 41-52.
- 08-183 Wyssession, M.E., 1996, Continents of the core. *Nature*, 381, 373-375.
- 08-257 Wilshire, H.G., McGuire, A.V., 1996, Magmatic infiltration and melting in the lower crust and upper mantle beneath the Cima volcanic field, California. *Contrib. Min. Petrol.*, 123, 358-374.
- 08-301 Pan, Y., Fleet, M.E., 1996, Rare earth element mobility during prograde granulite facies metamorphism: significance of fluorine. *Contrib. Min. Petrol.*, 123, 251-262.
- 08-302 Peiffert, C., Nguyen-Trung, C., Cuney, M., 1996, Uranium in granitic magmas: Part 2. Experimental determination of uranium solubility and fluid-melt partition coefficients in the uranium oxide-haplogranite-H<sub>2</sub>O NaX (X= Cl, F) system at 770 °C, 2 kbar. *Geochim. Et Cosmochim. Acta.*, 60, 1515-1529.
- 08-303 Ort, M.H., Coira, B.L., 1996, Generation of crust-mantle magma mixture: magma sources and contamination at Cerro Panizos, central Andes. *Contrib. Min. Petrol.*, 123, 308-322.
- 08-314 Sharma, A., 1996, Experimentally derived thermochemical data for pargasite and reinvestigation of its stability with quartz in the system Na<sub>2</sub>O-CaO-MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-H<sub>2</sub>O. *Contrib. Min. Petrol.*, 125, 263-275.
- 08-315 Sharma, A., 1996, Experimentally derived thermochemical data for pargasite and reinvestigation of its stability with quartz in the system Na<sub>2</sub>O-CaO-MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-H<sub>2</sub>O. *Contrib. Min. Petrol.*, 125, 263-275.
- 08-323 Stewart, K., Rogers, N., 1996, Mantle plume and lithosphere contributions to basalts from southern Ethiopia. *Earth Planet. Sci. Lett.*, 139, 195-211.
- 08-326 Reiners, P.W., Nelson, B.K., Nelson, S.W., 1996, Evidence for multiple mechanisms of crustal contamination of magma from compositionally zoned plutons and associated ultramafic intrusions of the Alaska range. *J. Petrol.*, 37, 261-292.
- 08-355 Smith, R.D., Cameron, K.L., McDowell, F.W., Niemeyer, S., Sampson, D.E., 1996, Generation of voluminous silicic magmas and formation of mid-Cenozoic crust beneath north-central Mexico: evidence from ignimbrites, associated lavas, deep crustal granulites, and mantle pyroxenites. *Contrib. Min. Petrol.*, 123, 375-389.
- 08-367 Redfern, S.A.T., Henderson, C.M.B., Wood, B.J., Harrison, R.J., Knight, K.S., 1996, Determination of olivine cooling rates from metal-cation ordering. *Nature*, 381, 407-409.
- 08-400 Rivalenti, G., Vannucci, R., Rampone, E., Mazzucchelli, M., Piccardo, G.B., Piccirillo, E.M., Bottazzi, P., Ottolini, L., 1996, Peridotite clinopyroxene chemistry reflects mantle processes rather than continental versus oceanic settings. *Earth Planet. Sci., Lett.*, 139, 423-437.
- 08-446 Klug, C., Cashman, K.V., 1996, Permeability development in vesiculating magmas: implications for fragmentation. *Bull. Volcanol.*, 58, 87-100.
- 09-028 Chappell, J., Omura, A., Esat, T., McCulloch, M., Pandolfi, J., Ota, Y., Pillans, B., 1996, Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records. *Earth Planet. Sci., Lett.*, 141, 227-236.
- 09-040 Kano, K., Yamamoto, T., Ono, K., 1996, Subaqueous eruption and emplacement of the Shinjima pumice, Shinjima (Moeshima) Island, Kagoshima Bay, SW Japan. *J. Volcanol. Geotherm. Res.*, 71, 187-206.
- 09-044 Kano, K., 1996, A Miocene coarse volcanoclastic mass-flow deposit in the Shimane Peninsula, SW Japan: product of a deep submarine eruption? *Bull. Volcanol.*, 58, 131-143.
- 09-102 Kodaira, S., Iwasaki, T., Urabe, T., Kanazawa, T., Egloff, F., Makris, J., Shimamura, H., 1996, Crustal structure across the middle Ryukyu trench obtained from ocean bottom seismographic data. *Tectonophysics*, 263, 39-60.
- 09-102 Kodaira, S., Iwasaki, T., Urabe, T., Kanazawa, T., Egloff, F., Makris, J., Shimamura, H., 1996, Crustal structure across the middle Ryukyu trench obtained from ocean bottom seismographic data. *Tectonophysics*, 263, 39-60.
- 10-030 O'Hanley, D.S., 1996, Serpentinites Records of tectonic and petrological history. *Oxford Monographs on geology and geophysics* 34, 277pp.
- 10-037 Fryer, P., 1996, Evolution of the Mariana convergent plate margin system. *Reviews of Geophysics*, 34, 89-125.
- 10-039 Rossi, M.J., 1996, Morphology and mechanism of eruption of postglacial shield volcanoes in Iceland. *Bull. Volcanol.*, 57, 530-540.
- 10-067 Gribble, R.F., Stern, R.J., Bloomer, S.H., Stuben, D., O'Hearn, T., Newman, S., 1996, MORB mantle and subduction components interact to generate basalts in the southern Mariana trough back-arc basin. *Geochim. Et Cosmochim. Acta*, 60, 2153-2166.
- 10-082 Ohara, Y., Kasuga, S., Ishii, T., 1996, Peridotites from the Parece Vela Rift in the Philippine Sea: Upper mantle material exposed in an extinct back-arc basin. *Proc. Japan Acad.*, 72, Ser. B, 118-123.
- 10-108 Kimura, G., 1996, Collision orogeny at arc-arc junctions in the Japanese Islands. *The Island arc*, 5, 262-275.

(Marine volcanology, Kumamoto Univ.)

10-118	木村政昭,	1996,	琉球弧の古地理.	月刊地球,	18,	488-494.
10-120	松本剛, 木村政昭, 中村明子, 青木美澄,	1996,	琉球海嶺の地形形成要因.	月刊地球,	18,	495-500.
10-188	Rudie van der Meer.	1996,	Grading in mud volcanic breccia from the Mediterranean ridge.	Marine Geology,	132,	165-173.
10-200	Cita, M.B., Ivanov, M.K., Woodside, J.M.,	1996,	Introduction The Mediterranean ridge diapiric belt.	Marine Geology,	132,	1-6.
10-201	Limonov, A.F., Woodside, J.M., Cita, M.B., Ivanov, M.K.,	1996,	The Mediterranean Ridge and related mud diapirism: a background.	Marine Geology,	132,	7-19.
10-202	Hieke, W., Werner, F., Schenke, H.-W.,	1996,	Geomorphological study of an area with mud diapirs south of Crete ( Mediterranean Ridge).	Marine Geology,	132,	63-93.
10-203	Akhmanov, G.G.,	1996,	Lithology of mud breccia clasts from the Mediterranean Ridge.	Marine Geology,	132,	151-164.
10-204	Cita, M.B., Erba, E., Lucchi, R., Pott, M., van der Meer, R., Nieto, L.,	1996,	Stratigraphy and sedimentation in the Mediterranean Ridge diapiric belt.	Marine Geology,	132,	131-150.
10-205	Ivanov, M.K., Limonov, A.F., van Weering, Tj., C., E.,	1996,	Comparative characteristics of th Black Sea and Mediterranean Ridge mud volcanoes.	Marine Geology,	132,	253-271.
10-206	Volgin, A. V., Woodside, J.M.,	1996,	Sidescan sonar images of mud volcanoes from the Mediterranean Ridge: possible causes of variations in backscatter intensity.	Marine Geology,	132,	39-52.
10-207	Hieke, W., Cita, M.B., Mirabile, G.L., Negri, A.,	1996,	The summit area ( Antaeus / Pan di Zucchero ) of the Mediterranean Ridge: a mud diapir field?	Marine Geology,	132,	113-129.
10-208	Galindo-Zaldivar, J., Nieto, L., Woodside, J.,	1996,	Structural features of mud volcanoes and the fold system of the Mediterranean Ridge, south of Crete.	Marine Geology,	132,	95-112.
10-258	松本剛, 木村政昭, 仲村明子, 青木美澄	1996,	琉球海嶺の地形形成要因.	月刊地球,	18,	495-500.
10-282	John Chappell a3 * , Akio Omura b, Tezer Esat a, Malcolm McCulloch John Pandolfi , Yoko Ota d, Brad Pillans a	1996,	Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records	Earth and Planetary Science Letters	141,	227-236.
10-301	Fryer, P.,	1996,	Evolution of the Mariana convergent plate margin system.	Reviews of Geophysics	34,	89-125.
10-317	Tracy K. P. Gregg, William W. Chadwick, Jr.	1996,	Submarine lava-flow inflation: A model for the formation of lava pillars	Geology,	24,	981-984.
10-320	Tracy K.P. Gregg a3 * * , Daniel J. Fornari a, Michael R. Perfit Rachel M. Haymon , Jonathan H. Fink d ,	1996,	Rapid emplacement of a mid-ocean ridge lava flow on the East Pacific Rise at 9° 46'-5 1' N.	Earth and Planetary Science Letters,	144,	E1-E7.
10-340	木村政昭,	1996,	琉球弧の古地理.	月刊地球,	18,	488-
10-379	R.G., Peterson, L. Stramma, G. Kortum,	1996,	Early concepts and charts of ocean circulation	Pmg. Ocuwvg.	37,	1-115.
99N-10	Barbarin, B.,	1996,	Genesis of the two main types of peraluminous granitoids:	Geol.,	24,	295-298.
99N-11	Ertan, I. E. and Leeman, W. P.,	1996,	Metasomatism of Cascades subarc mantle: Evidence from rare phlogopite orthopyroxene xenolith:	Geol.,	24,	451-454.
99N-12	Feeley, T. C. and Sharp, Z. D.,	1996,	Chemical and hydrogen isotope evidence for in situ dehydrogenation of biotite in silicic magma chambers:	Geol.,	24,	1021-1024.
99N-13	Larson, R. L. and Kincaid, C.,	1996,	Onset of mid-Cretaceous volcanism by elevation of the 670 km thermal boundary layer:	Geology,	24,	551-554.
99N-14	Stolz, A. J., Jochum, K. P., Spettel, B. and Hofman, A. W.,	1996,	Fluid-and melt-related enrichment in the subarc mantle: Evidence from Nb/Ta variations in island-arc basalts:	Geol.,	24,	587-590.
99N-143	Hogan, J. P.,	1996,	Insights from igneous reaction space: a holistic approach to granite crystallisation:	Earth Sci.,s,	87,	147-157.
99N-148	Watson, E. B.,	1996,	Dissolution, growth and survival of zircons during crustal fusion: kinetic principles, geological models and implications for isotopic inheritance:	Earth Sci.,s,	87,	43-56.
99N-149	Rushmer, T.,	1996,	Melt segregation in the lower crust: how have experiments helped us?:	Earth Sci.,s,	87,	73-83.
99N-150	Singh, J. and Johannes, W.,	1996,	Dehydration melting of tonalites. Part I. Beginning of melting:	Contrib. Mineral. Petrol.,	125,	16-25.
99N-151	Singh, J. and Johannes, W.,	1996,	Dehydration melting of tonalites. Part II. Composition of melts and solids:	Contrib. Mineral. Petrol.,	125,	26-44.
99N-174	Vignerresse, J. L., Barbey, P. and Cuney, M.,	1996,	Rheological transitions during partial melting and crystallization with application to felsic magma segregation and transfer:	J. Petrol.,	37,	1579-1600.
99N-175	Brophy, J. G., Dorais, M. J., Donnelly-Nolan, J. and Singer, B. S.,	1996,	Plagioclase zonation styles in hornblende gabbro inclusions from Little Glass Mountain, Medicine Lake volcano, California: implication for fractionation mechanisms and the formation of composition gaps:	Contrib. Mineral. Petrol.,	126,	121-136.
99N-177	Paslick, C. R., Halliday, A. N., Lange, R. A., James, D. and Dawson, J. B.,	1996,	Indirect crustal contamination: evidence from isotopic and chemical disequilibria in minerals from alkali basalts and nephelinites from northern Tanzania:	Contrib. Mineral. Petrol.,	125,	277-292.
99N-179	Davis, L. L., Smith, D., McDowell, F. W., Walker, N. W. and Borg, L. E.,	1996,	Eocene poassic magmatism at Two Buttes, Colorado, with implications for Cenozoic tectonics and magma generation in the western United States:	GSA Bulletin,	108,	1567-1579.
99N-61	Maeda, J. and Kagami, H.,	1996,	Interaction of a spreading ridge and an accretionary prism: Implications from MORB magmatism in the Hidaka magmatic zone, Hokkaido, Japan:	Geology,	24,	31-34.
99N-62	Cloos, M. and Shreve, R. L.,	1996,	Shear zone thickness and the seismicity of Chilean- and Marianas-type subduction zones.	Geol.,	24,	107-110.
99N-80	Stern, C. R. and Kilian, R.,	1996,	Role of the subducted slab, mantle wedge and continental crust in the generation of adakites from the Andean Austral Volcanic Zone:	Contrib. Mineral. Petrol.,	123,	263-281.
99N-85	Drummond, M. S., Defant, M. J. and Kepezhinskas, P. K.,	1996,	Petrogenesis of slab-derived trondhjemite-tonalite-dacite/adakite magmas:	Earth Sciences,	87,	205-215.
99S-01	Clift, P. D. and Vroon, P. Z.,	1996,	Isotopic Evolution of the Tonga Arc during Lau Basin Rifting: Evidence from the Volcaniclastic Record:	J. Petrol.,	37,	1153-1173.
99S-05	Meurer, W. P. and Boudreau, A. E.,	1996,	An evaluation of models of apatite compositional variability using apatite from the Middle Banded series of the Stillwater complex, Montana:	Contrib. Mineral. Petrol.,	125,	225-236.
99S-06	Lange, R. A. and Carmichael, I. S. E.,	1996,	The Aurora volcanic field, California-Nevada: oxygen fugacity constraints on the development of andesitic magma:	Contrib. Mineral. Petrol.,	125,	167-185.
99S-43	Mitchell, R. H., Chakhmouradian, A. R. and Yokovenchuk, V. N.,	1996,	"Nioboloparite": A re-investigation and discreditation:	The Canadian Mineralogist,	34,	991-999.

99S-52	Schumacher, R., and Schumacher, U. M.,	1996,	The Kizikaya ignimbrite: an unusual low-aspect-ratio ignimbrite from Cappadocia, central Turkey:	J. Volcanol. Geotherm. Res.,	70,	107-121.
99S-59	Bernstein, S., Kelemen, P. B. and Brooks, C. K.,	1996,	Evolution of the Kap Edvard Holm complex: a mafic intrusion at a rifted continental margin:	J. Petrol.,	37,	497-519.
99S-61	Kamenetsky, V. and Clocchiatti, R.,	1996,	Primitive magmatism of Mt. Etna: insights from mineralogy and melt inclusions:	Earth Planet. Sci. Lett.,	142,	553-572.
99S-62	Kamenetsky, V.,	1996,	Methodology for the study of melt inclusions in Cr-spinel, and implications for parental melts of MORB from FAMOUS area:	Earth Planet. Sci. Lett.,	142,	479-486.
99S-63	Bertagnini, A. and Landi, P.,	1996,	The Secche di Lazzaro pyroclastics of Stromboli volcano: a phreatomagmatic eruption related to the Sciara del Fuoco sector collapse:	Bull. Volcanol.,	58,	239-245.
99S-64	Spath, A., Roex, A. L. and Duncan, R. A.,	1996,	The geochemistry of lavas from the Comores Archipelago, western Indian ocean: Petrogenesis and mantle source region characteristics:	J. Petrol.,	37,	961-991.
99S-65	O'hara, M. J. and Fry, N.,	1996,	The highly compatible trace element paradox-Fractional crystallization revisited:	J. Petrol.,	37,	859-890.
99S-66	Becker, H.,	1996,	Crustal trace element and isotopic signatures in garnet pyroxenites from garnet peridotite massifs from lower Austria:	J. Petrol.,	37,	785-810.
99S-67	Bourdon, B., Zindler, A., Elliott, T. and Langmuir, C. H.,	1996,	Constraints on mantle melting at mid-ocean ridges from global 238U-230Th disequilibrium data:	Nat.,	384,	231-235.
99S-68	Papike, J. J., Fowler, G. W., Shearer, C. K. and Layne, G. D.,	1996,	Ion microprobe investigation of plagioclase and orthopyroxene from lunar Mg-site norites: Implications for calculating parental melt REE concentrations and for assessing postcrystallization REE redistribution:	Geochem. Cosmochem. Acta.,	60,	3967-3978.
99S-69	Gillard, D., Rubin, A. M. and Okubo, P.,	1996,	Highly concentrated seismicity caused by deformation of Kilauea's deep magma system:	Nat.,	384,	343-346.
99S-70	Hirschmann, M.,	1996,	Reading garnet's signature:	Nat.,	384,	215-217.
99S-71	Valbracht, P. J., Staudigel, H., Honda, M., McDougall, I. and Davies, G. R.,	1996,	Isotopic tracing of volcanic source regions from Hawaii: decoupling of gaseous from lithophile magma components:	Earth Planet. Sci. Lett.,	144,	185-198.
99S-72	Wright, I. C., Parson, L. M. and Gamble, J. A.,	1996,	Evolution and interaction of migrating cross-arc volcanism and backarc rifting: An example from the southern Havre Trough (35°20'-37°S):	J. Geophys. Res.,	101,	22071-22086.
99S-73	Lecuyer, C. and Reynard, B.,	1996,	High-temperature alteration of oceanic gabbros by seawater (Hess Deep, Ocean Drilling Program Leg 147): Evidence from oxygen isotopes and element fluxes:	J. Geophys. Res.,	101,	15883-15897.
99S-85	Poli, G., Tommasini, S. and Halliday, A. N.,	1996,	Trace element and isotopic exchange during acid-basic magma interaction processes:	Transactions of the Royal Society of Edinburgh: Earth Sci.,s,	87,	225-232.
99S-86	Drummond, M. S., Defant, M. J. and Kepezhinskas, P. K.,	1996,	Petrogenesis of slab-derived trondhjemite-tonalite-dacite/adakite magmas:	Transactions of the Royal Society of Edinburgh: Earth Sciences,	87,	205-215.
99S-88	Rapela, C. W. and Pankhurst, R. J.,	1996,	Monzonite suites: The innermost Cordilleran plutonism of Patagonia:	Transactions of the Royal Society of Edinburgh: Earth Sci.,s,	87,	193-203.
99S-95	Sugitani, K., Horiuchi, Y., Adachi, M. and Sugisaki, R.,	1996,	Anomalously low Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> values for Archean charts from the Pilbara block, western Australia: possible evidence for extensive chemical weathering of the early earth:	Precambrian Research,	80,	49-76.
99T-25	Plank, T.,	1996,	The brine of the Earth:	Nat.,	380,	202-203.
99T-26	Keppeler, H.,	1996,	Constraints from partitioning experiments on the composition of subduction-zone fluids:	Nat.,	380,	237-240.
99Y-108	Watt, G. R., Burns, I. M. and Graham, G. A.,	1996,	Chemical characteristics of migmatites: accessory phase distribution and evidence for fast melt segregation rates:	Contrib. Mineral. Petrol.,	125,	100-111.
99Y-109	Yang, H., Kinzler, R. J. and Grove, T. L.,	1996,	Experiments and models of anhydrous, basaltic olivine-plagioclase-augite saturated melts from 0.001 to 10 kbar:	Contrib. Mineral. Petrol.,	124,	1-18.
99Y-134	Enzweiler, J. and Webb, P. C.,	1996,	Determination of trace elements in silicate rocks by X-ray fluorescence spectrometry on 1:5 glass discs: comparison of accuracy and precision with pressed powder pellet analysis:	Chemical Geol.,	130,	195-202.
99Y-142	Higgins, M. D.,	1996,	Magma dynamics beneath Kameni volcano, Thera, Greece, as revealed by crystal size and shape measurements:	J. Volcanol. Geotherm. Res.,	70,	37-48.
99Y-145	Meurer, W. P. and Boudreau, A. E.,	1996,	Petrology and mineral compositions of the middle banded series of the Stillwater complex, Montana:	J. Petrol.,	37,	583-607.
99Y-146	Bernstein, S., Kelemen, P. B. and Brooks, C. K.,	1996,	Evolution of the kap edvard holm complex: a mafic intrusion at a rifted continental margin:	J. Petrol.,	37,	497-519.
99Y-147	Zingg, A. J.,	1996,	Immiscibility in Ca-amphiboles:	J. Petrol.,	37,	471-496.
99Y-150	Bach, W., Erzinger, J., Dosso, L., Bollinger, C., Bougault, H., Etoubleau, J. and Sauerwein, J.,	1996,	Unusually large Nb-Ta depletions in North Chile ridge basalts at 36° 50' to 38° 56'S: major element, trace element, and isotopic data:	Earth Planet. Sci. Lett.,	142,	223-240.
99Y-151	Sajona, F. G., Maury, R. C., Bellon, H., Cotton, J. and Defant, M.,	1996,	High field strength element enrichment of Pliocene-Pleistocene island arc basalts, Zamboanga peninsula, Western Mindanao (Philippines):	J. Petrol.,	37,	693-726.
99Y-152	Mason, P. R. D., Downes, H., Thirlwall, M. F., Seghedi, I., Szakacs, A., Lowry, D. and Matthey, D.,	1996,	Crustal assimilation as a major petrogenetic process in the east Carpathian Neogene and Quaternary continental Margin arc, Romania:	J. Petrol.,	37,	927-959.
99Y-153	Barrat, J. A. and Nesbitt, R. W.,	1996,	Geochemistry of the Tertiary volcanism of Northern Ireland:	Chemical Geol.,	129,	15-38.
99Y-154	Brun, J. P. and Beslier, M. O.,	1996,	Mantle exhumation at passive margins:	Earth Planet. Sci. Lett.,	142,	161-173.
99Y-157	Turner, S., Hawkesworth, C., van Calsteren, P., Heath, E., Macdonald, R. and Black, S.,	1996,	U-series isotopes and destructive plate margin magma genesis in the Lesser Antilles:	Earth Planet. Sci. Lett.,	142,	191-207.
99Y-158	Feigenson, M. D., Patino, L. C. and Carr, M. J.,	1996,	Constraints on partial melting imposed by rare earth element variations in Mauna Kea basalts:	J. Geophys. Res.,	101,	11,815-11,829.
99Y-159	Ducea, M. N. and Saleeby, J. B.,	1996,	Buoyancy sources for a large, unrooted mountain range, the Sierra Nevada, California: Evidence from xenolith thermobarometry:	J. Geophys. Res.,	101,	8229-8244.

99Y-160	Guffanti, M., Clynne, M. A. and Muffler, L. J. P.,	1996,	Thermal and mass implications of magmatic evolution in the Lassen volcanic region, California, and minimum constraints on basalt influx to the lower crust:	J. Geophys. Res.,	101,	3003-3013.
99Y-161	Cameron, K. L., Parker, D. F. and Sampson, D. E.,	1996,	Testing crustal melting models for the origin of flood rhyolites: A Nd-Pb-Sr isotopic study of the Tertiary Davis Mountains volcanic field, west Texas:	J. Geophys. Res.,	101,	20,407-20,422.
99Y-163	Wickham, S. M., Alberts, A. D., Zarnvilevich, A. N., Litvinovsky, B. A., Bindeman, I. N. and Schauble, E. A.,	1996,	A stable isotope study of anorogenic magmatism in east central Asia:	J. Petrol.,	37,	1063-1095.
99Y-26	Smith, T. E., Thirlwall, M. F. and Macpherson, C.,	1996,	Trace element and isotope geochemistry of the volcanic rocks of Bequia, Grenadine islands, Lesser Antilles arc: a study of subduction enrichment and intra-crustal contamination:	J. Petrol.,	37,	117-143.
99Y-51	Johnson, K. E., Harmon, R.S., Richardson, J. M., Moorbath, S. and Strong, D. F.,	1996,	Isotope and trace element geochemistry of Augustine volcano, Alaska: implications for magmatic evolution:	J. Petrol.,	37,	95-115.
99Y-74	Vervoort, J. D., Patchett, P. J., Gehrels, G. E. and Nutman, A. P.,	1996,	Constraints on early earth differentiation from hafnium and neodymium isotopes:	Nat.,	379,	624-627.
10-513	Episodes	1996,	Special issue on the geology of granites.	Episodes,	19,	book
10-563	SHU-KUN HSU 1'2, JEAN-CLAUDE SIBUET I, SERGE MONTI 1, CHUEN-TIEN SHYU 3 and CHAR-SHINE LIU	1996,	Transition between the Okinawa Trough Backarc Extension and the Taiwan Collision: New Insights on the Southernmost Ryukyu Subduction Zone.	Marine Geophysical Researches	18,	163-187.
99-0053	Woodhead, J. D.,	1996,	Extreme HIMU in an oceanic setting: the geochemistry of Mangaia Island (Polynesia), and temporal evolution of the Cook-Austral hotspot:	J. Volcanol. Geotherm. Res.,	72,	1-19.
99-0054	Dostal, J. and Mueller, W.,	1996,	An Archean oceanic felsic dyke swarm in a nascent arc: the Hunter Mine Group, Abitibi Greenstone Belt, Canada:	J. Volcanol. Geotherm. Res.,	72,	37-57.
99-0069	Patiño Douce, A.E. and Beard, J.S.,	1996,	Effects of P, f(O <sub>2</sub> ) and Mg/Fe ratio on dehydration melting of model metagreywackes:	J. Petrol.,	37,	999-1024.
99-0072	Patiño Douce, A.E.,	1996,	Effects of pressure and H <sub>2</sub> O content on the compositions of primary crustal melts:	Trans. R. Soc. Edinb.: Earth Sci.,	87,	11-21.
99-0078	Skjerlie, K.P. and Johnston, A.D.,	1996,	Vapour-absent melting from 10 to 20 kbar of crustal rocks that contain multiple hydrous phases: implications for anatexis in the deep to very deep continental crust and active continental margins:	J. Petrol.,	37,	661-691.
99-0107	Stewart, R.B., Price, R.C. and Smith, I.E.M.,	1996,	Evolution of high-K arc magma, Egmont volcano, Taranaki, New Zealand: evidence from mineral chemistry:	J. Volcanol. Geotherm. Res.,	74,	275-295.
99-0149	Pichavant, M., Hammouda, T. and Scaillet, B.,	1996,	Control of redox state and Sr isotopic composition of granitic magmas: a critical evaluation of the role of source rocks:	Trans. R. Soc. Edinb.: Earth Sci.,	88,	321-329.
99-0152	Baker, J.A., Thirlwall, M.F. and Menzies, M.A.,	1996,	Sr-Nd-Pb isotopic and trace element evidence for crustal contamination of plume-derived flood basalt: Oligocene flood volcanism in western Yemen:	Geochem. Cosmochim. Acta.,	60,	2559-2581.
99-0153	Yang, H-J., Kinzler, R.J. and Grove, T.L.,	1996,	Experiments and models of anhydrous basaltic olivine-plagioclase-augite saturated melts from 0.001 to 10 kbar:	Contrib. Mineral. Petrol.,	124,	1-18.
99-0167	Bea, F.,	1996,	Residence of REE, Y, Th and U in granites and crustal protoliths: implications for the chemistry of crustal melts:	J. Petrol.,	37,	521-552.
99-0223	Wittke, J.H., Duffield, W.A. and Jones, C.,	1996,	Roof-rock contamination of Taylor Creek Rhyolite, New Mexico, as recorded in hornblende phenocrysts and biotite xenocrysts:	Am. Miner.,	81,	135-140.
99-0224	Mandeville, C.W., Carey, S. and Sigurdsson, H.,	1996,	Magma mixing, fractional crystallization and volatile degassing during the 1883 eruption of Krakatau volcano, Indonesia:	J. Volcanol. Geotherm. Res.,	74,	243-274.
99-0238	Kersting, A.B., Arculus, R.J. Gust, D.A.,	1996,	Lithospheric contributions to arc magmatism: isotope variations along strike in volcanoes of Honshu, Japan:	Science	272,	1464-1468.
99-0244	Gamble, J., Woodhead, J., Wright, I. and Smith, I.,	1996,	Basalt and sediment geochemistry and magma petrogenesis in a Transect from oceanic island arc to rifted continental margin arc: the Kermadec-Hikurangi margin, SW Pacific:	J. Petrol.,	37,	1523-1546.
99-0257	Tamura, Y. and Nakamura, E.,	1996,	The arc lavas of the Shirahama group, Japan: Sr and Nd isotopic data indicate mantle-derived bimodal magmatism:	J. Petrol.,	37,	1307-1319.
99-0271	Pichon, X.L., Pollitz, F., Fournier, M., Cabet, J.P., Lallemand, S. Chamot-Rooke, N.,	1996,	Distribution of shortening landward and oceanward of the eastern Nankai trough due to the Izu-Ogasawara ridge collision:	Earth Planet. Sci. Lett.,	137,	145-156.
99-0291	Kaneko, T., Kaneoka, I. and Kawach, S.,	1996,	Geochemistry of Quaternary basalts from Yatsugatake volcano, central Japan: generation of an unusually deep Wadati-Benioff zone beneath the volcanic front by double-overlapping subduction:	Geochem. J.,	30,	155-173.
99-0293	Hattori, K. and Sato, H.,	1996,	Magma evolution recorded in plagioclase zoning in 1991 Pinatubo eruption products:	Am. Miner.,	81,	982-994.
99-0294	Stussi, J.M. and Cuney, M.,	1996,	Nature of biotites from alkaline, calc-alkaline and peraluminous magmas by Abdel-Fattah M. Abdel-Rahman: a comment:	J. Petrol.,	37,	1025-1029.
99-0295	Blein, O., Lapiere, H., Schweicker, R.A., Monie, P., Maluski, H. and Pécher, A.,	1996,	Remnants of the Northern Sierra Nevada Paleozoic island arc in Western Nevada?	J. Geol.,	104,	485-492.
99-0303	Petford, N. and Atherton, M.,	1996,	Na-rich partial melts from newly underplated basaltic crust: the Cordillera Blanca batholith, Peru:	J. Petrol.,	37,	1491-1521.
99-0363	Inoue, K. and Ban, M.,	1996,	Petrology of younger stage lavas from the Gassan volcano, northeastern Japan:	J. Mineral. Petrol. Econ. Geol.,	91,	33-47.
99-0374	Feeley, T.C. and Dungan, M.A.,	1996,	Compositional and dynamic controls on mafic-silicic magma interactions at continental arc volcanoes: evidence from Cordon El Guadal, Tatara-San Pedro Complex, Chile:	J. Petrol.,	37,	1547-1557.
99-0375	Elburg, M.A.,	1996,	Genetic significance of multiple enclave types in a peraluminous ignimbrite suite Lachlan Fold Belt, Australia:	J. Petrol.,	37,	1385-1408.
99-0377	Chappell, B.W.,	1996,	Magma mixing and the production of compositional variation within granites of southeastern Australia:	J. Petrol.,	37,	449-470.



- 99-0524 Flinders, J. and Clemens, J.D., 1996, Non-linear dynamics, chaos, complexity and enclaves in granitoid magmas: Trans. R. Soc. Edinb.: Earth Sci., 87, 217-223.
- 99-0525 Collins, W.J., 1996, Lachlan Fold Belt granitoids: products of three-component mixing Trans. R. Soc. Edinb.: Earth Sci., 87, 171-181.
- 99-0534 Uto, K. and Tatsumi, Y., 1996, Quaternary volcanism of the Japanese islands: The Island Arc 5, 250-261.
- 99-0538 Uto, K., Anno, K., Sudo, M. and Uchiumi, S., 1996, K-Ar ages for the middle Miocene Muro volcanic rocks, Southwest Japan (in Japanese, with English abstract): Bull. volcanol. Soc. Japan, 41, 257-261.
- 99-0543 Okuno, M., 1996, 火山地形学・火山層序学的手法による噴火現象の研究: 科研費成果報告書 平成9年 128 p p
- 99-0588 Makino, K., Yamaguchi, T. and Tomita, K., 1996, Fluor edenite from the Ishigamiyama lava dome of the Kimpo volcano, Kumamoto, southwest Japan (In Japanese, with English abstract): J. Mineral. Petrol. Econ. Geol., 91, 419-423.
- 99-0611 Ikawa, T. and Nagao, T., 1996, Genetic relationships between basalts and andesites in the Taradake volcanic area, Northwest Kyushu (In Japanese, with English abstract): J. Mineral. Petrol. Econ. Geol., 91, 321-338.
- 99-0635 Yamamoto, H., 1996, Subsurface structure of the granitic basement around the Mount Kankake-dake in Yaku-shima island, South Kyushu, Japan (In Japanese, with English abstract): 鹿児島大学理学部紀要(地学・生物学) 29, 71-87.
- 99-0652 Kamata, H., 1996, Retrospective and perspective on regional volcanology (In Japanese, with English abstract): Bull. volcanol. Soc. Japan, 40, 17-26.
- 99-0717 Kamata, H., Hoshizumi, H. and Kawabe, S., 1996, 九重火山の噴火史と最近1.5万年間の噴出量の変化——活火山地域の地質図複調査による研究成果の一例—— Chishitu News, 498, 36-39.
- 99-0718 Kamata, H., 1996, 大阪層群アズキ火山灰の噴出源の決定——九州, 近畿, 関東にわたる広域テフラの対比 Chishitu News, 503, 32-38.
- 99-0789 Chiba, T., Endo, K., Iso, N. and Miyahara, T., 1996, 雲仙岳噴火の火砕流—災害実績図の作成: 月刊地球 15, 94-100.
- 99-0790 Ui, T., 1996, 雲仙普賢岳でのビデオ機器を使用した火砕流の観測方法 月刊地球 15, 101-111.
- 99-0791 Sato, H. and Kanjyou, K., 1996, 溶岩ドームからの火砕流発生の条件 月刊地球 15, 106-111.
- 99-0792 Kimura, R., 1996, 火砕流の流体力学的側面 月刊地球 15, 131-138.
- 99-0802 Ohta, K., 1996, 雲仙火山の噴火活動を振り返って: 地熱 33, 25-41.
- 99-0863 Kano, K., Yamamoto, T. and Ono, K., 1996, Subaqueous eruption and emplacement of the Shinjima pumice Shinjima (Moeshima) Island, Kagoshima Bay, SW Japan: J. Volcanol. Geotherm. Res., 71, 187-206.
- 99-0872 Ono, K., Watanabe, K., Hoshizumi, H., Kamata, H. and Machida, H., 1996, 中部九州のテフラクロノロジー 案内書: 第五回第四紀学会テフラ研究委員会野外集会 62p.
- 99-0987 Umino, S. and Yoshizawa, E., 1996, Petrology of Ultramafic xenoliths from Kishiyuku lava, Fukue-jima, Southwest Japan: Contrib. Mineral. Petrol., 124, 154-166.
- 99-1023 Francis, P.W., Wadge, G. and Mougini-Mark, P.J., 1996, Satellite monitoring of volcanoes In R.I. Tilling and R. Scarpa (eds), Monitoring and mitigation of volcano hazards Springer-Verlag Berlin Heidelberg 257-298.
- 99-1024 Scarpa, R. and Tilling, R.I., 1996, Preface In R.I. Tilling and R. Scarpa (eds), Monitoring and mitigation of volcano hazards Springer-Verlag Berlin Heidelberg V-IX.
- 99-1025 Scarpa, R. and Gasparini, P., 1996, A review of volcano geophysics and volcano-monitoring methods: In R.I. Tilling and R. Scarpa (eds), Monitoring and mitigation of volcano hazards Springer-Verlag Berlin Heidelberg 3-22.
- 99-1026 Siebert, L., 1996, Hazards of large volcanic debris avalanches and associated eruptive phenomena: In R.I. Tilling and R. Scarpa (eds), Monitoring and mitigation of volcano hazards Springer-Verlag Berlin Heidelberg 541-572.
- 99-1130 Knesel, K.M. and Davidson, J.P., 1996, Isotopic disequilibrium during melting of granite and implications for crustal contamination of magmas: Geology, 24, 243-246.
- 99-1148 Bea, F., 1996, Controls on the trace element composition of crustal melts: Trans. Roy. Soc. Edinburg, Earth Sci., 87, 33-41.
- 99-1188 Yakiwara, H., Kakuta, T., Miyamachi, H., Goto, K., Hirano, S., Hino, R., Kanazawa, T., Kaiho, Y., Shiobara, H., Watanabe, T., Mochizuki, M., Nemoto, H. and Shimamura, H., 1996, Seismic activity inferred from ocean bottom seismographic observation around Tokara channel - north region off Amami Oshima, Nansei Syoto Island, western Japan (In Japanese, with English abstract): J. Seismol. Soc. Japan, 49, 227-239.
- 99-1296 Hauri, E.H., 1996, Major-element variability in the Hawaiian mantle plume: Nature, 382, 415-419.
- 99-1299 Bau, M., 1996, Controls on the fractionation of isovalent trace elements in magmatic and aqueous system: evidence from Y/Ho, Zr/Hf, and lanthanide tetrad effect: Contrib. Mineral. Petrol., 123, 323-333.
- 12-170 Hans Keppler 1996, Constrains from partitioning experiments on the composition of subduction-zone fluids. Nature, 380, 235-240.
- 12-174 S.B. Lucas, R.A. Stern, E.C. Syme, B. A. Reilly, D.J. Thomas, 1996, Intraoceanic tectonics and the development of continental crust: 1.92- 1.84 Ga evolution of the Flin Flon Belt, Canada GSA, 108, 602-629.
- 12-180 n. LANDENBERGER\* AND W. J. COLLINS 1996, Derivation of A-type granites from a dehydrated charnockitic lower crust: Evidence from the Chaelundi Complex, Eastern Australia. Jour. Petrol., 37, 145-170.
- 12-194 S. M. McLennan and S. R. Taylor 1996, Heat flow and chemical composition of continental crust. Journal of Geology, 104, 369-377.
- 12-296 Roberto Fenez Weinberg 1996, Ascent mechanism of felsic magmas: news and views. Transactions of the Royal Society of Edinburgh: Earth Sciences, 87, 95-103.
- 12-329 D. G. Masson 1996, Catastrophic collapse of the volcanic island of Hierro 15 ka ago and the history of landslides in the Canary Islands. Geology, 24, 231-234.
- 12-330 D. G. Masson 1996, Catastrophic collapse of the volcanic island of Hierro 15 ka ago and the history of landslides in the Canary Islands. Geology, 24, 231-234.
- 12-450 M. Revel a, M. Cremer\*, F.E. Grousset\*, L. Labeyrie 1996, Grain-size and Sr-Nd isotopes as tracer of paleo-bottom current strength, Northeast Atlantic Ocean. Marine Geology, 131, 233-249.
- 12-475 R. G. Plummer, L. STRAMMA and G. KoRWM 1996, Early concepts and charts of ocean circulation. Prog. Oceanog., 37, 1-115.
- 12-545 Th. Thordarson · S. Self · N. Oskarsson T. Hulsebosch, 1996, Sulfur, chlorine, and fluorine degassing and atmospheric loading by the 1783-1784 AD Laki (Skaftar Fires) eruption in Iceland. Bull. Volcanol., 58, 205-225.

12-644	Roberto Fenez Weinberg	1996,	Ascent mechanism of felsic magmas: news and views.	Trallsactions of the Royal Society Of Edillb//rgh: Earth Sciellces,	87,	95-105.
12-b024	Lawrence A. Hardie	1996,	Secular variation in seawater chemistry: An explanation for the coupled secular variation in the mineralogies of marine limestones and potash evaporites over the past 600 m.y.	Geology,	24,	279-283.
12-b026	木村純一～高久雄一日・吉田武義...	1996,	誘導結合プラズマ質量分析法の発展と岩石学への応用	地球科学,	50,	277-302.
13-011	Roberto Fenez Weinberg	1996,	Ascent mechanism of felsic magmas: news and views.	Trallsactions of the Royal Society of Edillburgh: Earth Sciellces,	87,	95-103.
13-012	Nick Petford,	1996,	Dykes or diapirs?	Trallsactions of the Royal Society of Edillburgh: Earth Sciellces,	87,	105-114.
13-032	Kazuhiko Kano a, *, Takahiro Yamamoto a, Koji Ono	1996,	Subaqueous eruption and emplacement of the Shinjima Pumice, Shinjima (Moeshima) Island, Kagoshima Bay, SW Japan.	Journal of Volcanology and Geothermal Research,	71,	187-206.
15-151	KIMURA, Masaaki	1996,	Active Rift System in the Okinawa Trough and Its Northeastern Continuation	Bulletin of the Disaster Prevention Research Institute	45,	27-38.
15-306	T. Hammouda a, *, M. Pichavant a, M. Chaussidon b	1996,	Isotopic equilibration during partial melting: an experimental test of the behaviour of Sr.	Earth and Planetary Science Letters	144,	109-121.
16-001	M.K. Ivanov, A.F. Limonov, Tj. C.E. van Weering.	1996,	Comparative characteristics of the Black Sea and Mediterranean Ridge mud volcanoes.	Marine geology,	132,	253-271.
16-014	Hans-Henrik Westbroek and Robert R. Stewart	1996,	The formation, morphology, and economic potential of meteorite impact craters.	CREWES Research Report	8,	1-26.
16-158	Robert McCaffrey	1996,	Estimates of modern arc-parallel strain rates in fore arcs.	geology,	24,	27-30.
08-196	長尾隆志、長谷義隆、井川寿之、長峰智、坂口和之、山元正継、周藤賢治、林田賢一、	1995、	九州の平坦面を構成する安山岩の地質学的・岩石学的特徴: "洪水安山岩"の提唱。	地質学論集、	44、	155-164.
12-415	大塚裕之、外間喜春、田中利明、後村信幸、竹之内貴裕、上野宏共、	1995、	島原半島南部の地質の再検討	鹿児島大学紀要(地学・生物学)、	28、	181-241.
13-052	小阪哲也・長尾隆志	1995、	長崎県宇久島のソレアイト質火山岩類。	地質学論集、	44、	139-154.
00-0004	Longerich, H.P.,	1995,	Analysis of pressed pellets of geological samples using wavelength-dispersive X-ray fluorescence spectrometry.	X-ray sepectrometry,	24,	123-136.
00-0013	Imai, N., Terashima, S., Itoh, S. and Ando, A.,	1995,	1994 compilation of analytical data for minor and trace elements in seventeen GSJ geochemical reference samples, "Igneous Rock Series".	Geostandards newsletter,	19,	135-213.
00-0098	Eiler, J.M., Farley, K.A., Valley, J.W., Stolper, E.M., Hauri, E.H. and Craig, H.,	1995,	Oxygen isotope evidence against bulk recycled sediment in the mantle sources of Pitcairn Island lavas.	Nat.,	377,	138-141.
00-0204	Moore, J. G., Bryan, W. B., Beeson, M. H. and Normark, W. R.,	1995,	Giant blocks in the South Kona iandslide, Hawaii.	Geol.,	23,	125-128,
00-0235	Garcia, M. O., Foss, D. J. P., West, H.B. and Mahoney, J. J.,	1995,	Geochemical and isotopic evolution of Loihi volcano, Hawaii.	J. Petrol.,	36,	1647-1674.
00-0236	Clague, D.A., Moore, J.G., Dixon, J.E. and Friesen, W.B.,	1995,	Petrology of submarine lavas from Kilauea's Puna Ridge, Hawaii.	J. Petrol.,	35,	299-349.
00-0245	McKenzie, D. and O'nions, R.K.,	1995,	The source regions of Ocean Island basalts.	J. Petrol.,	36,	133-159.
02-0054	Cioni, R., Civetta, L., Marianelli, P., Metrich, N., Santacroce, R., Sbrana, A.,	1995,	Compositional layering and syn-eruptive mixing of as periodically refilled shallow magma chamber: the AD 79 plinian eruption of Vesuvius.	J. Peteorology,	36,	739-776.
02-0078	Scheirer, D.S., and Macdonald, K.C.,	1995,	Near-axis seamounts on the flanks of the East Pacific Rise 8 N to 17 N.	J. Geophy. Res.,	100,	2239-2270
02-0100	Delinger, R.P., and Okubo, P.,	1995,	Structure of the mobile south flank of Kilauea Volcano, Hawaii.	J. Geophy. Res.,	100,	24499-24507
02-0159	Ujihira, M., takagai, N., and Ogawa, K.,	1995,	Numerical analysis of the impact load of falling rock by using the distinct element method.	Inter. J. Surface Min. recal. Environ.,	9,	11-17.
03-0013	Moore, J.G., and Chadwick, W.W.,	1995,	Offshore geology of Mauna Loa and adjacent Areas, Hawaii.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	21-44.
03-0014	Lipman, P.W.,	1995,	Declining growth of Mauna Loa during the last 100,000 years: rates of lava accumulation vs. gravitational subsidence.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	45-80.
03-0015	Vitousek, P.M., Aplet, G.H., Raich, J.W., and Lockwood, J.P.,	1995,	Biological perspectives on Mauna Loa volcano: a model system for ecological research.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	117-126.
03-0016	Montierth, C., Johnson, A.D., and Cashman, K.V.,	1995,	An empirical glass-composition-based geothermometer for Mauna loa lavas.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	207-217.

03-0017	Garcia, M. O., Hulsebosch, T.P., and Rhodes, J.M.,	1995,	Olivine-rich submarine basalts from the southwest rift zone of Mauna Loa volcano: implications for magmatic processes and geochemical evolution.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	219-239.
03-0018	Rhodes, J.M.,	1995,	The 1852 and 1868 Mauna Loa picrite eruptions: clues to parental magma compositions and magmatic plumbing system.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	241-262.
03-0019	Rhodes, J.M., and Hart S.R.,	1995,	Episodic trace element and isotopic variations in historical Mauna Loa lavas: implications for magma and plume dynamics.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	263-288.
03-0020	Rhodes, J.M., and Garcia, M.O.,	1995,	Isotopic evolution of Mauna Loa volcano: a view from the submarine southwest zone.	In: Mauna Loa Revealed: Structure, Composition, History, and Hazards, edited by J. M. Rhodes and Lockwood, P.J., Am. Geophys. Union Monogr.	92,	289-306.
03-0055	Bridges, N.T.,	1995,	Submarine analogs to Venesian pancake domes.	Geophy. Res. Let.,	22,	2781-
03-0086	Denlinger, R.P., and Okubo, P.,	1995,	Structure of the mobile south flank of Kilauea Volcano, Hawaii.	J. Geophys. Res.,	100,	24499-
03-0087	Watts, A.B., and Masson, D.G.,	1995,	A giant landslide on the north flank of Tenerife, Canary Islands.	J. Geophys. Res.,	100,	24487-
03-0104	Wallace, P. J., Anderson Jr, A.T. and Davis A.M.,	1995,	Quantification of pre-eruptive exsolved gas contents in silicic magmas.	Nat.,	377,	612-616
05-009	Eichelberger, J.C.,	1995,	Silicic volcanism: Ascent of viscous magmas from crustal reservoirs.	Annu. Rev. Earth Planet. Sci.	23,	41-63.
05-012	Miyagi, I., and Yurimoto, H.,	1995,	Water content of melt inclusions in phenocrysts using secondary ion mass spectrometer.	Bull. Volcanol. Soc. Japan,	40,	349-355.
05-019	Webster, J.D., Congdon, R.D., and Lyons, P.C.,	1995,	Determining pre-eruptive compositions of late Paleozoic magma from kaolinized volcanic ashes: Analysis of glass inclusions in quartz microphenocrysts from tonsteins.	Geochim. et Cosmochim. Acta.,	59,	711-720.
05-031	Williams, T.J., Candela, P.A., and Piccoli, P.M.,	1995,	The partitioning of copper between silicate melts and two-phase aqueous fluids: An experimental investigation at 1 kbar, 800 C and 0.5 kbar, 850 C.	Contrib. Mineral Petrol.,	121,	388-399.
05-035	Wohletz, K., Oris, G., and de Vita, S.,	1995,	Eruptive mechanisms of the Neapolitan Yellow Tuff interpreted from stratigraphic, chemical, and granulometric data.	(J. of volcanology and geothermal energy)	67,	263-290.
05-044	Hon, K., and Pallister, J.,	1995,	Wrestling with restless calderas and fighting floods of lava.	Nat.,	376,	554-555.
05-055	Turcotte, D.L., and Huang, J.,	1995,	Fractal distributions in geology, scale invariance, and deterministic chaos.	In Barton, C.C., La Pointe, P.R., (eds.) Fractals in the Earth Sciences,	Plenum Press, New York,	1-40.
05-068	Barton, C.C., and La Pointe, P.R.,	1995,	Preface.	In Barton, C.C., La Pointe, P.R., (eds.) Fractals in the Earth Sciences,	Plenum Press, New York,	xxxx
05-069	Malinverno, A.,	1995,	Fractals and oceanfloor topography: A review and model.	In Barton, C.C., La Pointe, P.R., (eds.) Fractals in the Earth Sciences,	Plenum Press, New York,	107-130.
05-070	Sammis, C.G., and Steacy, S.J.,	1995,	Fractal fragmentation in crustal shear zones.	In Barton, C.C., La Pointe, P.R., (eds.) Fractals in the Earth Sciences,	Plenum Press, New York,	179-204.
05-071	Fowler, A.D.,	1995,	Mineral crystallinity in igneous rocks.	In Barton, C.C., La Pointe, P.R., (eds.) Fractals in the Earth Sciences,	Plenum Press, New York,	237-249.
05-079	Williams, T.J., Candela, P.A., and Piccoli, P.M.,	1995,	The partitioning of copper between silicate melts and two-phase aqueous fluids: An experimental investigation at 1 kbar, 800 C and 0.5 kbar, 850 C.	Contrib. Mineral Petrol.,	121,	388-399.
06-032	Hanchar, J.M., and Rudnick, R.L.,	1995,	Revealing hidden structures: the application of cathodoluminescence and back-scattered electron imaging to dating zircons from lower crustal xenoliths.	Lithos,	36,	289-303.
06-033	O'Reilly, S.Y., Hensen, B.J.,	1995,	Special Issue The xenolith window to the lower crust. Contents.	Lithos,	36,	155-
06-034	Stosch, H.-G., Ionov, D.A., Puchtel, I.S., Galer, S.J.G., and Sharpouri, A.,	1995,	Lower crustal xenoliths from Mongolia and their bearing on the nature of the deep crust beneath central Asia.	Lithos,	36,	227-242.
06-035	Chen, W., Arculus, R.J.,	1995,	Geochemical and isotopic characteristics of lower crustal xenoliths, San Francisco volcanic field, Arizona, U.S.A..	Lithos,	36,	203-225.
06-036	Wysoczanski, R.J., Gamble, J.A., Kyle, P.R., Thirlwall, M.F.,	1995,	The petrology of lower crustal xenoliths from the Executive Committee Range, Marie Byrd Land Volcanic Province, West Antarctica.	Lithos,	36,	185-201.
06-037	Kempton, P.D., Downes, H., Sharkov, E.V., Vetrin, V.R., Ionov, D.A., Carswell, D.A., Beard, A.,	1995,	Petrology and geochemistry of xenoliths from the Northern Baltic shield: evidence for partial meltig and metasomatism in the lower crust beneath an Archaean terrane.	Lithos,	36,	157-184.
06-038	Person, N.J., O'Reilly, S.Y., and Griffin, W.L.,	1995,	The crust-mantle boundary beneath cratons and craton margins: a transect across the south-west margin of the Kaapvaal craton.	Lithos,	36,	257-287.
06-039	Hanchar, J.M., and Rudnick, R.L.,	1995,	Revealing hidden structures: the application of cathodoluminescence and back-scattered electron imaging to dating zircons from lower crustal xenoliths.	Lithos,	36,	289-303.
06-1125	福岡孝昭	1995,	第四紀試料放射年代測定の高精度化の現状と年代値の解釈	第四紀研究	34,	265-

06-1126	兼岡一郎	1995,	40Ar-39Ar法による年代測定—基礎とその問題点—	第四紀研究	34,	23-36.
06-1131	板谷徹丸, 長尾敬介	1995,	100万年よりも若い火山岩のK-Ar年代測定	第四紀研究	34,	143-161.
06-1132	総論	1995,	?	第四紀研究	34,	?
06-2009	Bouloton, J., Gasquet, D.,	1995,	Melting and undercooled crystallisation of felsic xenoliths from minor intrusions (Jebilet massif, Morocco)	Lithos	35	201-219
06-2010	Caroff, M.,	1995,	Open system crystallization and mixing in two-layer magma chambers	Lithos	36	85-102
06-2011	Johannes, W., Holtz, F., Moller, P.,	1995,	REE distribution in some layered migmatites: constraints on their petrogenesis	Lithos	35	139-152
06-2012	Chazot, G., Bertrand, H.,	1995,	Genesis of silicic magmas during Tertiary continental rifting in Yemen	Lithos	36	69-83
06-2013	Warren B. Hamilton	1995,	Subduction systems and magmatism	In Volcanism Associates with Extension at Consuming Plate Margins, Smellie, J.L. (ed), GSA Spec. Pub.,	81	3-28
06-2018	Chalot-Prat, F.,	1995,	Genesis of rhyolitic ignimbrites and lavas from distinct sources at a deep crustal level: field, petrographic, chemical and isotopic (Sr, Nd) constraints in the Tazekka volcanic complex (Eastern Morocco).	Lithos,	36,	29-49.
06-3053	Smith, R.T., Houghton, B.F.,	1995,	Delayed deposition of plinian pumice during phreatoplinian volcanism: the 1800-yr-B.P. Taupo eruption, New Zealand.	J. Volcanol. Geotherm. Res.	67,	221-226.
06-3122	Hall, R., Fuller, M., Ali, J.R., Anderson, C.D.,	1995,	The Philippine Sea plate: magnetism and reconstructions.	In Active margins and marginal basins of the Western Pacific, AGU Monograph	88,	371-404.
06-3123	Cambay, H., Pubellier, M., Jolivet, L., Pouclet, A.,	1995,	Volcanic activity recorded in deep-sea sediments and the geodynamic evolution of Western Pacific island arcs.	In Active margins and marginal basins of the Western Pacific, AGU Monograph	88,	97-124.
06-3163	Fryer, P., Mottl, M., Johnson, L., Haggery, J., Phipps, S., Maekawa, H.,	1995,	Serpentine bodies in the forearc of Western Pacific convergent margins: origin and associated fluids.	In Active margins and marginal basins of the Western Pacific, AGU Monograph	88,	259-279.
07-026	中嶋健, 金井 豊,	1995,	1983年日本海中部地震震源域でのタービダイトによる地震発生間隔の推定.	地震,	48,	223-228.
07-034	渡辺一樹, 芝田厚, 古川博康, 梶村徹,	1995,	琉球列島, 西表島北北東沖の海底火山地形.	火山,	40,	91-97.
07-094	Bonnefoi, C.C., Provost, A., Albarede, F.,	1995,	The 'Daly gap' as a magmatic catastrophe.	Nat.,	378,	270-272.
07-100	McDonough, W.F., Sun, S.-S.,	1995,	The composition of the Earth.	Chemical. Geol.,	120,	223-253.
07-106	Mungall, J.E., Martin, R.F.,	1995,	Petrogenesis of basalt-comendite and basalt-pantellerite suites, Terceira, Azores, and some implications for the origin of ocean-island rhyolites.	Contrib., Mineral., Petrol.,	119,	43-55.
07-108	Mysen, B.,	1995,	Structural behavior of Al <sup>3+</sup> in silicate melts: In situ, high-temperature measurements as a function of bulk chemical composition.	Geochem. Et Cosmochem. Acta.,	59,	455-474.
07-111	Green, T.H.,	1995,	Significance of Nb/Ta as an indicator of geochemical processes in the crust-mantle system.	Chemical. Geol.,	120,	347-359.
07-121	Encarnacion, J.P., Essene, E.J., Mukasa, S.B., Hall, C.H.,	1995,	High-pressure and -temperature subophiolitic kyanite-garnet amphibolites generated during initiation of Mid-Tertiary subduction, Palawan, Philippines.	J. Petrol.,	36,	1481-1503.
07-124	Geschwind, C.H., Rutherford, M.J.,	1995,	Crystallization of microlites during magma ascent: the fluid mechanics of 1980-1986 eruptions at Mount St Helens.	Bull. Volcanol.,	57,	356-370.
07-127	Clarke, D.B.,	1995,	Cordierite in felsic igneous rocks: a synthesis.	Mineral. Mag.,	59,	311-325.
07-131	O'Reilly, S.Y., Griffin, W.L.,	1995,	Trace-elemental partitioning between garnet and clinopyroxene in mantle-driven pyroxenites and eclogites: P-T-X controls.	Chemical. Geol.,	121,	105-130.
07-134	Garland, F., Hawkesworth, C.J., Mantovani, M.S.M.,	1995,	Deascription and petrogenesis of the Parana Rhyolites, South Brazil.	J. Petrol.,	36,	1193-1227.
07-137	Feely, T.C., Hacker, M.D.,	1995,	Intracrustal derivation of Na-rich andesitic and dacitic magmas: an example from Volcan Ollague, Andean Central volcanic zone.	J. Geol.,	103,	213-225.
07-148	Buick, R., Thornett, J.R., McNaughton, N.J., Smith, J.B., Barley, M.E., Savage, M.,	1995,	Record of emergent continental crust ~3.5 billion years ago in the Pilbara craton of Australia.	Nat.,	375,	574-577.
07-156	Baker, M.B., Hirschmann, M.M., Ghiorso, M.S., Stolper, E.M.,	1995,	Compositions of near-solidus peridotite melts from experiments and thermodynamic calculations.	Nat.,	375,	308-311.
07-161	Brenan, J.M., Shaw, H.F., Ryerson, F.J., Phinney, D.L.,	1995,	Experimental determination of trace-element partitioning between pargasite and a synthetic hydrous andesitic melt.	Earth, Planet., Sci., Lett.,	135,	1-11.
07-169s	中田節也	1995,	雲仙火山のマグマはどこからきたか	科学,	65,	686-701.
07-170	Allegre, C.J., Manhès, G., Gopel, C.,	1995,	The age of the Earth.	Geochim. Cosmochim.	59,	1445-1452.
07-172	Allegre, C.J., Poirier, J.-P., Humler, E., Hofmann, A.W.,	1995,	The chemical composition of the Earth.	Earth, Planet., Sci., Lett.,	134,	515-526.
07-189	Arculus, R.J., Gust, D.A.,	1995,	Regional petrology of the San Francisco volcanic field, Arizona, USA.	J. Petrol.,	36,	827-861.
07-192	Cole, R.B., Basu, A.R.,	1995,	Nd-Sr isotopic geochemistry and tectonics of ridge subduction and middle Cenozoic volcanism in western California.	Geol. Soc. Amer. Bull.,	107,	167-179.
07-195	Brown, M., Rushmer, T., Sawyer, E.W.,	1995,	Introduction to special section: mechanisms and consequences of melt segregation from crustal protoliths.	J. Geophys. Res.,	100,	15551-15563.
07-202	Barrie, C.T.,	1995,	Zircon thermometry of high-temperature rhyolites near volcanic-associated massive sulfide deposits, Abitibi subprovince, Canada.	Geol.,	23,	169-172.
08-128	Yogodzinski, G.M., Kay, R.W., Volynets, O.N., Koloskov, A.V., Kay, S.M.,	1995,	Magnesian andesite in the western Aleutian Komandorsky region: implications for slab melting and processes in the mantle wedge.	Geol. Soc. Amer. Bull.,	107,	505-519.
08-144	Harry, D.L., Oldow, J.S., Sawyer, D.S.,	1995,	The growth of orogenic belts and the role of crustal heterogeneities in decollement tectonics.	Geol. Soc. Amer. Bull.,	107,	1411-1426.
08-197	長峰智, 長谷義隆, 長尾隆志, 阪口和之,	1995,	南部九州肥薩火山区西部鬼岳およびその南西方地域の火山層序.	熊本大学教養部紀要 自然科学編,	30,	143-154.
08-205	Qi, Q., Taylor, L.A., Zhou, X.,	1995,	Petrology and geochemistry of mantle peridotite xenoliths from SE China.	J. Petrol.,	36,	55-79.

08-209	Kinoshita, O.,	1995,	Migration of igneous activities related to ridge subduction in southwest Japan and the East Asian continental margin from the Mesozoic to the Paleogene.	Tectonophysics,	245,	25-35.
08-222	Shimizu, N., Sobolev, N.V.,	1995,	Young peridotitic diamonds from the Mir kimberlite pipe.	Nature,	375,	394-397.
08-256	Vergara, M., Levi, B., Nystrom, J.O., Cancino, A.,	1995,	Jurassic and early Cretaceous island arc volcanism, extension, and subsidence in the Coast range of central Chile.	Geol. Soc. Amer. Bull.,	107,	1427-1440.
08-297	O'Hara, M.J.,	1995,	Trace element geochemical effects of integrated melt extraction and 'Shaped' melting regimes.	J. Petrol.,	36,	1111-1132.
08-298	O'Hara, M.J.,	1995,	Imperfect melt separation, finite increment size and source region flow during fractional melting and the generation of reversed or subdued discrimination of incompatible trace elements.	Chemical Geol.,	121,	27-50.
08-337	Wedepohl, K.H.,	1995,	The composition of the continental crust.	Geochim et Cosmochim Acta,	59,	1217-1232.
08-344	Rocholl, A., Stein, M., Molzahn, M., Hart, S.R., orner, G.,	1995,	Geochemical evolution of rift magmas by progressive tapping of a stratified mantle source beneath the Ross Sea rift, northern Victoria land, Antarctica.	Earth Planet Sci., Lett.,	131,	207-224.
08-386	Wiliamson, M-C., courtney, R.C., Keen, C.E., Dehler, S.A.,	1995,	The volume and rare earth concentrations of magma generated during finite stretching of the lithosphere.	J. Petrol.,	36,	1433-1453.
09-010	Kurnosov, V., Zolotarev, B., Eroshchev-Shak, V., Artamonov, A., Kashinzev, G., Murdmaa, I.,	1995,	28. Alteration of basalts from the west Pacific guyots, LEGS 143 and 144.	Proceedings of the Ocean Drilling Program, Sci. Result (Haggerty, J.A., Premoli Silva, I., Rack, F., McNutt, M.K., et al.)	144,	475-491.
09-122	Watanabe, S., Tsurushima, N., Kusakabe, K., Tsunogai, S.,	1995,	Methane in Izena Cauldron, Okinawa Trough.	Journal of Oceanography,	51,	239-255.
10-002	Koppers, A.A.P., Staugigel, H., Christie, D.M., Dieu, J.J., Pringle, M.S.,	1995,	31. Sr-Nd-Pb isotope geochemistry of Leg 144 west Pacific guyots: implications for the geochemical evolution of the "sopita" mantle anomaly.	Proceedings of the Ocean Drilling Program, Scientific results,	144,	535-543.
10-077	Yamamoto, K., Asahara, Y., Maekawa, H., Sugitani, K.,	1995,	Origin of blueschist-facies clasts in the Mariana forearc, Western Pacific.	Geochemical Journal,	29,	259-275.
10-081	藤岡換太郎, 田中武男, 青池寛,	1995,	伊豆・小笠原, マリアナ前弧の蛇紋岩海山.	地学雑誌,	104,	473-494.
10-103	渡辺一樹, 芝田厚, 梶村徹,	1995,	水曜海山海底熱水性鉱床と他の海底熱水性鉱床の化学組成比較.	JAMSTEC 深海研究,	11,	351-361.
10-105	Sibuet, J.-C., Hsu, S.-K., Shyu, C.-T., Liu, C.-S.,	1995,	Structural and Kinematic evolutions of the Okinawa trough backarc basin.	Taylor, B., (ed. ) , in Backarc Basins: Tectonics and Magmatism,	Plenum Press, New York,	343-379.
10-111	Saunders, A., Tarney, J.,	1995,	10 Back-arc basins	Taylor, B., (ed. ) , in Backarc Basins: Tectonics and Magmatism,	Plenum Press, New York,	219-263.
10-113	Hashimoto, J., Ohta, S., Fujikura, K., Miura, T.,	1995,	Microdistribution pattern and biogeography of the hydrothermal vent communities of the Minami-Ensei knoll in the Mid-Okinawa trough, Weatern Pacific.	Deep-Sea Research I,	42,	577-598.
10-183	Fink, J.H., Bridges, N.T.,	1995,	Effects of eruption history and cooling rate on lava dome growth.	Bull volcanol,	57,	229-239.
10-230	Jean-Claude Sibuet, Shu-Kun Hsu, Chuen-Tien Shyu, and Char-Shine Liu	1995,	Structural and Kinematic Evolutions of the Okinawa trough backarc basin.	Backarc Basins: Tectollics and Magmatism, edited by Brian Taylor, Plenum Press, New York,		343-379.
10-239	Othmar T. Tobisch and Alexander R. Cruden	1995,	Fracture-controlled magma conduits in an obliquely convergent magmatic arc continental	Geology,	23,	941-944.
10-287	Clift, P. D.,	1995,	Volcaniclastic sedimentation and volcanism during the rifting of western Pacific backarc basins.	Active Margins and Marginal Basins of the Western Pacific Geophysical Monograph,	88,	67-96.
10-289	J. W Cole, D. J. Darby, and T. A. Stern	1995,	Taupo Volcanic Zone and Central Volcanic Region Backarc Structures of North Island, New Zealand.	Backarc Basins: Tectonics and Magmatism, edited by Brian Taylor, Plenum Press, New York		Backarc Basins:
10-318	Tracy K. P. Gregg, Jonathan H. Fink	1995,	Quantification of submarine lava-flow morphology through analog experiments	Geology,	23,	73-76.
10-341	Gaku Kimura and John Ludden	1995,	Peeling oceanic crust in subduction zones	Geology,	23,	217-220.
10-384	Naotatsu Shikazono, Minoru Utada and Masaaki Shimizu,	1995,	Mineralogical and geochemical characteristics of hydrothermal alteration of basalt in the Kuroko mine area, Japan: implications for the evolution of a Back Arc Basin hydrothermal system.	Applied Geochemistry,	10,	621-642.
10-387	大塚裕之, 外間喜春, 田中利明, 後村信幸, 竹之内貴裕, 上野宏共,	1995,	島原半島南部の地質の再検討.	鹿児島大学理学部紀要(地質・生物),	28,	181-241.
10-480	渡辺一樹, 芝田厚, 梶村徹,	1995,	水曜海山海底熱水性鉱床と他の海底熱水性鉱床の化学組成比較.	JAMSTEC 深海研究,	11,	351-361.
99N-142	Rutter, E. H. and Neumann, D. H. K.,	1995,	Experimental deformation of partially molten Westerly granite under fluid-absent conditions, with implications for the extraction of granitic magmas:	J. Geophys. Res.,	100,	15697-15715.
99N-144	Thompson, A. B. and Connolly, J. A. D.,	1995,	Melting of a continental crust: Some thermal and petrological constraints on anatexis in continental collision zones and other tectonic settings:	J. Geophys. Res.,	100,	15565-15579.
99N-145	Beard, J. S.,	1995,	Experimental, geological, and geochemical constraints on the origins of low-K silicic magmas in oceanic arcs:	J. Geophys. Res.,	100,	15593-15600.
99N-146	Rapp, R. P.,	1995,	Amphibole-out phase boundary in partially melted metabasalt, its control over liquid fraction and composition, and source permeability:	J. Geophys. Res.,	100,	15601-15610.
99N-147	Wickham, S. M., Litvinovsky, B. A., Zanzivlevich, A. N. and Bindeman, I. N.,	1995,	Geochemical evolution of Phanerozoic magmatism in Transbaikalia, East Asia: A key constraint on the origin of K-rich silicic magmas and the process of cratonization:	J. Geophys. Res.,	100,	15641-15654.
99N-148	Wedepohl, K. H.,	1995,	The composition of the continental crust:	Geochim. Cosmochim. Acta,	59,	1217-1232.
99N-171	Nelson, S. A., Gonzalez-Caver, E. and Kyser, T. K.,	1995,	Constraints on the origin of alkaline and calc-alkaline magmas from the Tuxtla Volcanic Field, Veracruz, Mexico:	Contrib. Mineral. Petrol.,	122,	191-211.

(Marine volcanology, Kumamoto Univ.)

- 99N-172 Francis, D. and Ludden, J., 1995, The signature of amphibole in mafic alkaline lavas, a study in the Northern Canadian Cordillera: J. Petrol., 36, 1171-1191.
- 99N-173 Chazot, G. and Bertrand, H., 1995, Genesis of silicic magmas during Tertiary continental rifting in Yemen: Lithos, 36, 69-83.
- 99N-187 Hunter, A. G. and Blake, S., 1995, Petrogenetic evolution of a transitional tholeiitic-calc-alkaline series: Towada Volcano, Japan: J. Petrol., 36, 1579-1605.
- 99N-44 Reiners, P. W., Nelson, B. K. and Ghiorso, S. S., 1995, Assimilation of felsic crust by basaltic magma: Thermal limits and extents of crustal contamination of mantle-derived magmas: Geol., 23, 563-566.
- 99N-46 Manley, C. R., 1995, How voluminous rhyolite lavas mimic rheomorphic ignimbrites: Eruptive style, emplacement conditions, and formation of tuff-like textures: Geology, 23, 349-352.
- 99N-47 Kerr, A. C., Saunders, A. D., Tarney, J., Berry, N. H. and Hards, V. L., 1995, Depleted mantle-plume geochemical signatures: No paradox for plume theories: Geology, 23, 843-846.
- 99N-49 Monnier, P., Girardeau, P., Maury, R. C. and Cotten, J. P., 1995, Back-arc basin origin for the east Sulawesi ophiolite (eastern Indonesia): Geol., 23, 851-854.
- 99N-66 Cambray, F. W. and Vogel, T. A., 1995, Origin of compositional heterogeneities in the tuffs of the Timber Mountain Group: The relationship between magma batches and magma transfer and emplacement in an extensional environment: J. Geophys. Res., 100, 15793-15805.
- 99N-67 Brown, M., Rushmer, T. and Sawyer, E. W., 1995, Introduction to special section: Mechanisms and consequences of melt segregation from crustal protoliths: J. Geophys. Res., 100, 15551-15563.
- 99N-74 Lee, J., Stern, R. J. and Bloomer, S. H., 1995, Forty million years of magmatic evolution in the Mariana arc: The tephra glass record: J. Geophys. Res., 100, 17671-17687.
- 99S-07 Cioni, R., Civetta, L., Marianelli, P., Metrich, N., Santacroce, R. and Sbrana, A., 1995, Compositional layering and Syn-eruptive mixing of a periodically refilled shallow magma chamber: the AD 79 Plinian eruption of Vesuvius: J. Petrol., 36, 739-776.
- 99S-134 Araki, S. Abe, N., 1995, Reaction of orthopyroxene in peridotite xenoliths with alkali-basalt melt and its implication for genesis of alpine-type chromitite: American Mineralogist, 80, 1041-1047.
- 99S-50 Toplis, M. J. and Carroll, M. R., 1995, An experimental study of the Influence of oxygen fugacity on Fe-Ti Oxide stability, phase relations, and Mineral-melt equilibria in Ferro-Basaltic systems: J. Petrol., 36, 1137-1170.
- 99S-51 Ross, G. R., Guevara, S. R. and Arribere, M. A., 1995, Rare earth geochemistry in sediments of the upper Manso river basin, Rio Negro, Argentina: Earth Planet. Sci. Lett., 133, 47-57.
- 99S-57 Herrstrom, E. A., Reagan, M. K. and Morris, J. D., 1995, Variations in lava composition associated with flow of asthenosphere beneath southern central America: Geology, 23, 617-620.
- 99S-60 Reiners, P. W., Nelson, B. K. and Ghiorso, M. S., 1995, Assimilation of felsic crust by basaltic magma: thermal limits and extents of crustal contamination of mantle-derived magmas: Geol., 23, 563-566.
- 99S-87 Harris, N., Ayres, M. and Massey, J., 1995, Geochemistry of granitic melts produced during the incongruent melting of muscovite: Implications for the extraction of Himalayan leucogranite magmas: J. Geophys. Res., 100, 15767-15777.
- 99S-89 Barbero, L. and Villaseca, C., 1995, Geochemical and isotopic disequilibrium in crustal melting: An insight from the anatectic granitoids from Toledo, Spain: J. Geophys. Res., 100, 15745-15765.
- 99S-90 Perford, N., 1995, Segregation of tonalitic-trondhjemitic melts in the continental crust: The mantle connection: J. Geophys. Res., 100, 15735-15743.
- 99S-91 Williams, M. L., Hanmer, S., Kopf, C. and Darrach, M., 1995, Syntectonic generation and segregation of tonalitic melts from amphibolites dikes in the lower crust, Striding-Athabasca mylonite zone, northern Saskatchewan: J. Geophys. Res., 100, 15717-15734.
- 99S-92 Brown, M., Averkin, Y. A. and McLellan, E. L., 1995, Melt segregation in migmatites: J. Geophys. Res., 100, 15655-15679.
- 99S-93 Gardien, V., Thompson, A. B., Grujic, D. and Ulmer, P., 1995, Experimental melting of biotite + plagioclase + quartzes ± muscovite assemblages and implications for crustal melting: J. Geophys. Res., 100, 15581-15591.
- 99T-28 Brenan, J. M., Shaw, H. F. and Ryerson, F. J., 1995, Experimental evidence for the origin of lead enrichment in convergent-margin magmas: Nat., 378, 54-56.
- 99Y-1 Nabelek, P.I. and Glascock, M. D., 1995, REE-depleted leucogranites, Black Hills, South Dakota: a consequence of disequilibrium melting of monazite-bearing schists: J. Petrol., 36, 1055-1071.
- 99Y-10 Harley, S. L. and Carswell, D. A., 1995, Ultradeep crustal metamorphism: A prospective view: J. Geophys. Res., 100, 8367-8367.
- 99Y-10 Harley, S. L. and Carswell, D. A., 1995, Ultradeep crustal metamorphism: A prospective view: J. Geophys. Res., 100, 8367-8367.
- 99Y-111 Clarke, D. B., 1995, Cordierite in felsic igneous rocks: a synthesis: Mineralogical magazine, 59, 311-325.
- 99Y-112 Koberski, U., 1995, The effect of fluorine and titanium on the vapour-absent melting of phlogopite and quartz: Mineralogical magazine, 59, 566-570.
- 99Y-124 Metcalf, R. V., Smith, E. I., Waker, J. D., Reed, R. C. and Gonzales, D. A., 1995, Isotopic disequilibrium among commingled hybrid magmas: evidence for two-stage magma mixing-commingling process in the Mt. Perkins Pluton, Arizona: the J. of Geol., 103, 509-527.
- 99Y-13 Wolf, M. B. and London, D., 1995, Incongruent dissolution of REE- and Sr-rich apatite in peraluminous granitic liquids: Differential apatite, monazite, and xenotime solubilities during anatexis: American Mineralogist., 80, 765-775.
- 99Y-131 Chalot-Prat, F., 1995, Genesis of rhyolitic ignimbrites and lavas from distinct sources at a deep crustal level: field, petrographic, chemical and isotopic (Sr, Nd) constraints in the Tazekka volcanic complex: Lithos, 36, 29-49.
- 99Y-14 Carrington, D. P. and Harley, S. L., 1995, Partial melting and phase relations in high-grade metapelites: an experimental petrogenetic grid in the KFMASH system: Contrib. Mineral. Petrol., 120, 270-291.
- 99Y-140 Reiners, P. W., Nelson, B. K. and Ghiorso, M. S., 1995, Assimilation of felsic crust by basaltic magma: Thermal limits and extents of crustal contamination of mantle-derived magmas: Geol., 23, 563-566.
- 99Y-143 de Silva, S. L. and Wolff, J. A., 1995, Zoned magma chambers: the influence of magma chamber geometry on sidewall convective fractionation: J. Volcanol. Geotherm. Res., 65, 111-118.
- 99Y-149 Tormey, D. R., Frey, F. A. and Lopez-Escobar, L., 1995, Geochemistry of the active Azufre-Planchon-Peteroa volcanic complex, Chile (35° 15'S): evidence for multiple sources and processes in a Cordilleran arc magmatic system: J. Petrol., 36, 265-298.
- 99Y-150 Farley, K. A., 1995, Rapid cycling of subducted sediments into the Samoan mantle plume: Geol., 23, 531-534.
- 99Y-151 Carlson, R. W., 1995, A crustal life preserver: Nat., 376, 116-117.

99Y-179	Reisberg, L. and Lorand, J. P.,	1995,	Longevity of sub-continental mantle lithosphere from osmium isotope systematic in orogenic peridotite massifs:	Nat.,	376,	159-162.
99Y-18	Wever, H. E., Storey, B. C. and Leat, P.,	1995,	Peraluminous granites in NE Palmer Land, Antarctic Peninsula: early Mesozoic crustal melting in a magmatic arc:	J. of the Geol. Soc., London,	152,	85-96.
99Y-181	Hasegawa, A. and Matsumoto, H. (長谷川 昭、松本 聡),	1995,	日光火山群の深部構造:	科学,	65,	650-658.
99Y-182	Takahashi, E. and Takahashi, M. (高橋 栄一、高橋 正樹),	1995,	何が島弧火山の深部構造を決めるか:	科学,	65,	638-647.
99Y-2	Holness, M. B.,	1995,	The effect of feldspar on quartz-H <sub>2</sub> O-CO <sub>2</sub> dihedral angles at 4 Kbar, with consequences for the behaviour of aqueous fluids in migmatites:	Contrib. Mineral. Petrol.,	118,	356-364.
99Y-21	Geist, D., Howard, K. A. and Larson, P.,	1995,	The generation of oceanic rhyolites by crystal fractionation: the basalt-rhyolite association at Volcan Alcedo, Galapagos Archipelago:	J. Petrol.,	36,	965-982.
99Y-22	Jafri, S. H., Charan, S. N. and Govil, P. K.,	1995,	Plagiogranite from the Andaman ophiolite belt, Bay of Bengal, India:	J. of the Geol. Soc., London,	152,	681-687.
99Y-23	Luhr, J. F., Pier, J. G., Aranda-Gomez, J. J. and Podosek, F. A.,	1995,	Crustal contamination in early basin-and-range hawaiites of the Los Encinos volcanic field, central Mexico:	Contrib. Mineral. Petrol.,	118,	321-339.
99Y-24	Peng, Z. X. and Mahoney, J. J.,	1995,	Drillhole lavas from the northwestern Deccan Traps, and the evolution of Reunion hotspot mantle:	Earth Planet. Sci. Lett.,	134,	169-185.
99Y-25	Pankhurst, R. J. and Rapela, C.R.,	1995,	Production of Jurassic rhyolite by anatexis of the lower crust of Patagonia:	Earth Planet. Sci. Lett.,	134,	23-36.
99Y-27	Barth, A. P., Wooden, J. L., Tosdal, R. M. and Morrison, J.,	1995,	Crustal contamination in the petrogenesis of a calc-alkalic rock series: Josephine Mountain intrusion, California:	GSA Bulletin,	107,	201-212.
99Y-3	Panasawatwong, Y., Danyushevsky, L. V., Crawford, A. J. and Harris, K. L.,	1995,	An experimental study of the effects of melt composition on plagioclase-melt equilibria at 5 and 10 Kbar: implications for the origin of magmatic high-An plagioclase:	Contrib. Mineral. Petrol.,	118,	420-432.
99Y-34	Loucks, R. R.,	1995,	A precise olivine-augite Mg-Fe-exchange geothermometer:	Contrib. Mineral. Petrol.,	125,	140-150.
99Y-36	Boss, A. P.,	1995,	Timing is everything:	Nat.,	375,	13-14.
99Y-40	Spray, J. G. and Rae, D. A.,	1995,	Quantitative electron-microprobe analysis of alkali silicate glasses: a review and user guide:	The Canadian Mineralogist,	33,	323-332.
99Y-41	Cruden, A. R., Koyi, H. and Schmeling, H.,	1995,	Diapiric basal entrainment of mafic into felsic magma:	Earth Planet. Sci. Lett.,	131,	321-340.
99Y-42	Kerr, A. C., Kempton, P. D. and Thompson, R. N.,	1995,	Crustal assimilation during turbulent magma ascent (ATA): new isotopic evidence from the MullTertiary lava succession, N. W. Scotland:	Contrib. Mineral. Petrol.,	119,	142-154.
99Y-43	Tobisch, O. T., Saleeby, J. B., Renne, P. R., McNulty, B. and Tong, W.,	1995,	Variations in deformation fields during development of a large-volume magmatic arc, central Sierra Nevada, California:	GSA Bulletin,	107,	148-166.
99Y-46	Righter, K., Carmichael, I. S. E., Becker, T. A. and Renne, P. R.,	1995,	Pliocene-Quaternary volcanism and faulting at the intersection of the Gulf of California and the Mexican Volcanic Belt:	GSA Bulletin,	107,	612-626.
99Y-47	Pearce, J. A., Baker, P. E., Harvey, P. K. and Luff, I. W.,	1995,	Geochemical evidence for subduction fluxes, Mantle Melting and fractional crystallization beneath the South Sandwich island arc:	J. Petrol.,	36,	1073-1109.
99Y-48	Lassiter, J. C., DePaolo, D. J. and Mahoney, J. J.,	1995,	Geochemistry of the Wrangellia flood basalt province: implications for the role of continental and oceanic lithosphere in flood basalt genesis:	J. Petrol.,	36,	983-1009.
99Y-50	Davies, J. H. and von Blanckenburg, F.,	1995,	Slab breakoff: A model of lithosphere detachment and its test in the magmatism and deformation of collisional orogens:	Earth Planet. Sci. Lett.,	129,	85-102.
99Y-52	O'Reilly, S. Y. and Zhang, M.,	1995,	Geochemical characteristics of lava-field basalts from eastern Australia and inferred sources: connections with the subcontinental lithospheric mantle?:	Contrib. Mineral. Petrol.,	121,	148-170.
99Y-54	LaTourrette, T., Hervig, R. L. and Holloway, J. R.,	1995,	Trace element partitioning between amphibole, phlogopite, and basanite melt:	Earth Planet. Sci. Lett.,	135,	13-30.
99Y-55	Otsuki, K.,	1995,	Why is the crustal shortening of northeast Honshu arc larger in the backarc than around the volcanic front?:	J. Geol. Soc. Japan.,	101,	179-182.
99Y-59	Ionov, D. A. and Hofmann, A. W.,	1995,	Nb-Ta-rich mantle amphiboles and micas: Implications for subduction-related metasomatic trace element fractionations:	Earth Planet. Sci. Lett.,	131,	341-356.
99Y-63	Ghiorso, M. S. and Sack, R. O.,	1995,	Chemical mass transfer in magmatic processes IV. A revised and internally consistent thermodynamic model for the interpolation and extrapolation of liquid-solid equilibria in magmatic system at elevated temperatures and pressures:	Contrib. Mineral. Petrol.,	119,	197-212.
99Y-64	Jones, J. H., Walker, D., Pickett, D. A., Murrell, M. T. and Beattie, P.,	1995,	Experimental investigations of the partitioning of Nb, Mo, Ba, Ce, Pb, Ra, Th, Pa, and U between immiscible carbonate and silicate liquids:	Geochm. Cosmochim. Acta.,	59,	1307-1320.
99Y-65	Mareschal, M., Kellett, R. L., Kurtz, R. D., Ludden, J. N., Ji, S. and Bailey, R. C.,	1995,	Archaean cratonic roots, mantle shear zones and deep electrical anisotropy:	Nat.,	375,	134-137.
99Y-66	Bau, M. and Dulski, P.,	1995,	Comparative study of yttrium and rare-earth element behaviours in fluorine-rich hydrothermal fluids:	Contrib. Mineral. Petrol.,	119,	213-223.
99Y-70	Gibson, G. M. and Ireland, T. R.,	1995,	Granulite formation during continental extension in Fiordland, New Zealand:	Nat.,	357,	479-482.
99Y-73	Ito, K. and Tatsumi, Y.,	1995,	Measurement of elastic wave velocities in granulite and amphibolite having identical H <sub>2</sub> O-free bulk compositions up to 850°C at 1GPa:	Earth Planet. Sci. Lett.,	133,	255-264.
99Y-76	Griffiths, R. W., Hackney, R. I. and van der Hilst, R. D.,	1995,	A laboratory investigation of effects of trench migration on the descent of subducted slabs:	Earth Planet. Sci. Lett.,	133,	1-17.
99Y-77	Asahara, Y., Tanaka, T., Kamioka, H. and Nishimura, A.,	1995,	Asian continental nature of <sup>87</sup> Sr/ <sup>86</sup> Sr ratios in north central Pacific sediments	Earth Planet. Sci. Lett.,	133,	105-116.
99Y-8	Finger, F. and Clemens, J. D.,	1995,	Migmatization and "secondary" granitic magmas: effects of emplacement and crystallization of "primary" granitoids in Southern Bohemia, Austria:	Contrib. Mineral. Petrol.,	120,	311-326.
99Y-82	Getty, S. R. and DePaolo, D. J.,	1995,	Quaternary geochronology using the U-Th-Pb method:	Geochm. Cosmochim. Acta.,	59,	3267-3277.
99Y-83	Harley, S. L.,	1995,	Upwardly mobile hot crust:	Nat.,	375,	451-452.
99Y-89	Kullerud, K.,	1995,	Chlorine, titanium and barium-rich biotites: factors controlling biotite composition and the implications for garnet-biotite geothermometry:	Contrib. Mineral. Petrol.,	120,	42-59.
99Y-9	Connolly, J. A. D.,	1995,	Phase diagram methods for graphitic rocks and application to the system C-O-H-FeO-TiO <sub>2</sub> -SiO <sub>2</sub> :	Contrib. Mineral. Petrol.,	119,	94-116.

## (Marine volcanology, Kumamoto Univ.)

10-580	Jean de Bremond d'Ars, 1 Claude Jaupart,2 and R. Stephen J. Sparks	1995,	Distribution of volcanoes in active margins	Journal of Geophysical Research,	100,	20421-20432.
10-581	Sherman H. Bloomer1, Brian Taylor2, Christopher J. MacLeod3, Robert J. Stern4, Patricia Fryer5, James W. Hawkins6, and Lynn Johnson7	1995,	Early Arc Volcanism and the Ophiolite Problem: A Perspective From Drilling in the Western Pacific	Active Margins and Marginal Basins of the Western Pacific Geophysical Monograph	88,	1-30.
99-0002	Sato, H.,	1995,	Textural difference between pahoehoe and aa lavas of Izu-Oshima volcano, Japan -- as experimental study on population density of plagioclase:	J. Volcanol. Geotherm. Res.,	66,	101-113.
99-0003	Ida, Y. and Voight, B.,	1995,	Introduction to the Harry Glicken memorial special issue on "Models of magmatic processes and volcanic eruptions"	J. Volcanol. Geotherm. Res.,	66,	ix-xvi
99-0004	Heliker, C.,	1995,	Inclusions in Mount St. Helens dacite erupted from 1980-through 1983:	J. Volcanol. Geotherm. Res.,	66,	115-135.
99-0009	Kaneko, T.,	1995,	A kinematic subduction model for the genesis of back-arc low-K volcanoes at a two-overlapping subduction zone, central Japan: another volcanic front originated from the Philippine Sea plate subduction:	J. Volcanol. Geotherm. Res.,	66,	9-26.
99-0010	Melluso, L., Morra, V., Perrotta, A., Scarpati, C. and Adabbo, M.,	1995,	The eruption of The Breccia Museo (Campi Flegrei, Italy): Fractional crystallization processes in a shallow, zoned magma chamber and implications for the eruptive dynamics:	J. Volcanol. Geotherm. Res.,	68,	325-339.
99-0011	Gardner, J.N. and Hulen J.B.,	1995,	Scientific Drilling and Caldera Processes	J. Volcanol. Geotherm. Res.,	67,	vii.
99-0012	Riciputi, L.R., Johnson C.M., Sawyer, D.A. and Lipman, P.W.,	1995,	Crustal and magmatic evolution in a large multicyclic caldera complex: isotopic evidence from the central San Juan volcanic field:	J. Volcanol. Geotherm. Res.,	67,	1-28.
99-0013	McConnell, V. S., Shearer, C. K., Eichelberger, J. C., Keskinen, M.J., Layer, P.W. and Papike, J.J.,	1995,	Rhyolite intrusions in the intracaldera Bishop Tuff, Long Valley Caldera, California:	J. Volcanol. Geotherm. Res.,	67,	41-60.
99-0022	Ono, K., Watanabe, K., Hoshizumi, H. and Ikebe, S.,	1995,	Ash eruption of the Naka-dake crater, Aso volcano, southwestern Japan:	J. Volcanol. Geotherm. Res.,	66,	137-148.
99-0023	Ohmi, S. and Lees, J. M.,	1995,	Three-dimensional P- and S- wave velocity structure below Unzen volcano:	J. Volcanol. Geotherm. Res.,	65,	1-26.
99-0025	Beddoe-Stephens, B., Petterson, M.G., Millward, D. and Marriner, G. F.,	1995,	Geochemical variation and magmatic cyclicity within an Ordovician continental-arc volcanic field: the lower Borrowdale Volcanic Group, English Lake District:	J. Volcanol. Geotherm. Res.,	65,	81-110.
99-0026	de Silva, S.L. and Wolff J. A.,	1995,	Zoned magma chambers: the influence of magma chamber geometry on sidewall convective fractionation	J. Volcanol. Geotherm. Res.,	65,	111-118.
99-0027	Graham, I. J., Cole, J. W., Briggs, R. M., Gamble, J. A. and Smith, I. E. M.,	1995,	Petrology and petrogenesis of volcanic rocks from the Taupo Volcanic Zone: a review:	J. Volcanol. Geotherm. Res.,	68,	59-87.
99-0028	Davey, F. J., Henrys, S. A. and Lodolo, E.,	1995,	Asymmetric rifting in a continental back-arc environment, North Island, New Zealand:	J. Volcanol. Geotherm. Res.,	68,	209-238.
99-0031	Bove, D. J., Ratté, J. C., McIntosh, W. C., Snee, L. W. and Futa, K.,	1995,	The evolution of the Eagle Peak volcano--a distinctive phase of Middle Miocene volcanism in the western Mogollon - Datil volcanic field, New Mexico:	J. Volcanol. Geotherm. Res.,	69,	159-186.
99-0033	Duffield, W. A., Ruiz, J. and Webster, J. D.,	1995,	Roof-rock contamination of magma along the top of the reservoir for the Bishop Tuff:	J. Volcanol. Geotherm. Res.,	69,	187-195.
99-0034	Wood, C. P., Nairn, I. A., McKee, C.O. and Talai, B.,	1995,	Petrology of the Rabaul Caldera area, Papua New Guinea:	J. Volcanol. Geotherm. Res.,	69,	285-302.
99-0035	Wilson C.J.N., Houghton, B. F., Pillans, B. J. and Weaver, S. D.,	1995,	Taupo Volcanic Zone calc-alkaline tephra on the peralkaline Mayor Island volcano, New Zealand: identification and uses as marker horizons:	J. Volcanol. Geotherm. Res.,	69,	303-311.
99-0036	Chen, C. H., Lee, T., Shieh, Y. N., Chen, C.H. and Hsu, W. Y.,	1995,	Magmatism at the onset of back-arc basin spreading in the Okinawa Trough:	J. Volcanol. Geotherm. Res.,	69,	313-322.
99-0037	Smellie, J. L., Stone, P. and Evans, J.,	1995,	Petrogenesis of boninites in the Ordovician Ballantrae Complex ophiolite, southwestern Scotland:	J. Volcanol. Geotherm. Res.,	69,	323-342.
99-0045	Hochstein, M.P.,	1995,	Crustal heat transfer in the Taupo volcanic Zone (New Zealand): comparison with other volcanic arcs and explanatory heat source models:	J. Volcanol. Geotherm. Res.,	68,	117-151.
99-0067	Cambray, F. W., Vogel, T.A. and Mills, J. G. Jr.,	1995,	Origin of compositional heterogeneities in tuffs of the Timber Mountain Group: the relationship between magma batches and magma transfer and emplacement in an extensional environment:	J. Geophys. Res.,	100,	15793-15805
99-0068	Patiño Douce, A.E.,	1995,	Generation of meta aluminous A-type granites by low-pressure melting of calc-alkaline granitoids:	Geology,	25,	743-746.
99-0070	Patiño Douce, A.E.,	1995,	Experimental generation of hybrid silicic melts by reaction of high-Al basalt with metamorphic rocks:	J. Geophys. Res.,	100,	15623 - 15639.
99-0071	Patiño Douce, A.E. and Beard, J.S.,	1995,	Dehydration-meltig of biotite gneiss and quartz amphibolite from 3 to 15 kbar	J. Petrol.,	36,	707-738.
99-0079	Skjerlie, K.P. and Patiño Douce, A.E.,	1995,	Anatexis of interlayered amphibolite and pelite at 10kbar: effect of diffusion of major components on phase relations and melt fraction:	Contrib. Mineral. Petrol.,	122,	62-78.
99-0083	Hogan, J.P. and Gilbert, M.C.,	1995,	The A-type Mount Scott granite sheet: importance of crustal magma traps:	J. Geophys. Res.,	100,	15779-15788.
99-0104	Wickham, S.M., Litvinovsky, B.A., Zanzvilevich, A.N. and Bindeman I.N.,	1995,	Geochemical evolution of Phanerozoic magmatism in Transbaikalia East Asia: a key constraint on the origin of K-rich silicic magmas and the process of cratonization:	J. Geophys. Res.,	100,	15641-15654.
99-0117	Mungall, J.E. and Martin, R.F.,	1995,	Petrogenesis of basalt-comendite and basalt-pantellerite suites, Terceira, Azores, and some implications for the origin of ocean-island rhyolite:	Contrib. Mineral. Petrol.,	119,	43-55.
99-0146	William, M.L., Hanmer, S., Kopf, C. and Darrach, M.,	1995,	Syntectonic generation and segregation of tonalitic melts from amphibolite dikes in the lower crust, Striding-Athabasca mylonite zone, northern Saskatchewan:	J. Geophys. Res.,	100,	15717-15734.
99-0147	Harris, N., Ayres, M. and Massey, J.,	1995,	Geochemistry of granitic melts produced during the incongruent melting of muscovite: implications for the extraction of Himalayan leucogranite magmas:	J. Geophys. Res.,	100,	15767-15777.
99-0148	Barbero, L., Villaseca, C., Rogers, G. and Brown, P.E.,	1995,	Geochemical and isotopic disequilibrium in crustal melting: An insight from the anatectic granitoids from Toledo, Spain	J. Geophys. Res.,	100,	15745-15765.
99-0168	Brenan, J.M., Shaw, H.F., Ryerson, F.J. and Phinney, D.L.,	1995,	Experimental determination of trace-element partitioning between pargasite and a synthetic hydrous andesitic melt:	Earth Planet. Sci. Lett.,	135,	1-11.
99-0177	Davies, G.F.,	1995,	Punctuated tectonic evolution of the earth	Earth Planet. Sci. Lett.,	136,	363-379.



99-0178	Gibson, S.A., Thompson, R.N., Dickin, A.P. and Leonardos, O.H.,	1995,	High-Ti and low-Ti mafic potassic magmas: key to plume-lithosphere interactions and continental flood-basalt genesis:	Earth Planet. Sci. Lett.,	136,	149-165.
99-0216	Wood, C.P., Nairn, I.A., McKee, C.O. and Talai, B.,	1995,	Petrology of the Rabaul Caldera area, Papua New Guinea:	J. Volcanol. Geotherm. Res.,	69,	285-302.
99-0218	Duffield, W.A., Ruiz, J. and Webster, J.D.,	1995,	Roof-rock contamination of magma along the top of the reservoir for the Bishop Tuff:	J. Volcanol. Geotherm. Res.,	69,	187-195.
99-0231	Kersting, A.B. and Arculus, R.J.,	1995,	Pb isotope composition of Klyuchevskoy volcano, Kamchatka and North Pacific sediments: implications for magma genesis and crustal recycling in the Kamchatkan arc:	Earth Planet. Sci. Lett.,	136,	133-148.
99-0232	Fitton, J.G.,	1995,	Coupled molybdenum and niobium depletion in continental basalts:	Earth Planet. Sci. Lett.,	136,	715-721.
99-0245	Hunter, A.G. and Blake, S.,	1995,	Petrogenetic evolution of a transitional tholeiitic-calc-alkaline series: Towada volcano, Japan:	J. Petrol.,	36,	1579-1605.
99-0253	Kaneko, T.,	1995,	Geochemistry of Quaternary basaltic lavas in the Norikura area, central Japan: influence of the subcontinental upper mantle on the trace elements and Sr isotope composition:	J. Volcanol. Geotherm. Res.,	64,	61-83.
99-0297	Haeussler, P.J., Bradley, D., Goldfarb, R., Snee, L. and Taylor, C.,	1995,	Link between ridge subduction and gold mineralization in southern Alaska	Geology,	23,	995-998.
99-0299	Morris, P.A.,	1995,	Slab melting as an explanation of Quaternary volcanism and aseismicity in Southwest Japan:	Geology,	23,	395-398.
99-0350	Caroff, M.,	1995,	Open system crystallization and mixing in two-layer magma chamber:	Lithos,	36,	85-102.
99-0352	Seamen, S.J., Schere, E.E., and Standish, J.J.,	1995,	Multistage magma mingling and origin of flow banding in the Aliso lava dome, Tumacacori Mountains, southern Arizona:	J. Geophys. Res.,	100,	8381-8398.
99-0358	Cioni, R., Civetta, L., Marianell, P., Metrich, N., Santacroce, R. and Sbrana, A.,	1995,	Compositional layering and Syn-eruptive mixing of a periodically refilled shallow magma chamber: the AD 79 plinian eruption of Vesuvius:	J. Petrol.,	36,	739-776.
99-0367	Ionov, D.A., Prikhod, V.S. and O'Reilly, S.Y.,	1995,	Peridotite xenoliths in alkali basalts from the Sikhote-Alin, southeastern Siberia, Russia: trace-element signatures of mantle beneath a convergent continental margin:	Chem. Geol.,	120,	275-294.
99-0372	Gardner, J.E., Carey, S., Rutherford, M.J. and Sigurdsson, H.,	1995,	Petrologic diversity in mount St. Helens dacites during the last 4,000 years: implications for magma mixing:	Contrib. Mineral. Petrol.,	119,	224-238.
99-0373	Horio, J. and Umino, S.,	1995,	Mushy magma chamber beneath island arc volcanoes-evidence from Yunokuchi pumice, Akagi volcano:	Bull. Volcanol. Soc. Japan,	40,	375-393.
99-0376	Wada, K.,	1995,	Fractal structure of heterogeneous ejecta from the Me-akan volcano, eastern Hokkaido, Japan: implications for mixing mechanism in a volcanic conduit:	J. Volcanol. Geotherm. Res.,	66,	69-79.
99-0422	Chen, C-H., Lee, T., Shieh, Y-N., Chen, C-H. and Hsu, W-Y.,	1995,	Magmatism at the onset of back-arc basin spreading in the Okinawa Trough:	J. Volcanol. Geotherm. Res.,	69,	313-322.
99-0439	Wilson, C.J.N., Houghton, B.F., McWilliam, M.O., Lanphere, M.A., Weaver, S.D. and Briggs, R.M.,	1995,	Volcanic and structural evolution of Taupo Volcanic Zone, New Zealand: a review:	J. Volcanol. Geotherm. Res.,	68,	1-28.
99-0440	Bibby, H.M., Caldwell, T.G., Davey, F.J. and Webb, T.H.,	1995,	Geophysical evidence on the structure of the Taupo Volcanic Zone and its hydrothermal circulation:	J. Volcanol. Geotherm. Res.,	68,	29-58.
99-0441	Giggenbach, W.F.,	1995,	Variations in the chemical and isotopic composition of fluids discharged from the Taupo Volcanic Zone, New Zealand:	J. Volcanol. Geotherm. Res.,	68,	89-115.
99-0442	Hochestein, M.P.,	1995,	Crustal heat transfer in the Taupo Volcanic Zone (New Zealand): composition with other volcanic arcs and explanatory heat source models:	J. Volcanol. Geotherm. Res.,	68,	117-151.
99-0443	Sutton, A.N., Blake, S. and Wilson, C.J.N.,	1995,	An outline geochemistry of rhyolite eruptives from Taupo volcanic centre, New Zealand:	J. Volcanol. Geotherm. Res.,	68,	153-175.
99-0444	Donoghue, S.L., Gable, J.A., Palmer, A.S. and Stewart, R.B.,	1995,	Magma mingling in a an andesite pyroclastic flow of the Pourahu Member, Ruapehu volcano, New Zealand:	J. Volcanol. Geotherm. Res.,	68,	177-191.
99-0445	Soengkono, S.,	1995,	A magnetic model for deep plutonic bodies beneath the central Taupo Volcanic Zone, North Island, New Zealand:	J. Volcanol. Geotherm. Res.,	68,	193-207.
99-0446	Sanders, C.O., Ponko, S.C., Nixon, L.D. and Schwarz, E.A.,	1995,	Seismological evidence for magmatic and hydrothermal structure in Long Vally caldera from local earthquake attenuation and velocity tomography:	J. Geophys. Res.,	100,	8311-8326.
99-0456	Cole, J.W., Darby, D.J. and Stern, T.A.,	1995,	Taupo Volcanic Zone and Central Volcanic Region Backarc structures of North Island New Zealand:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	1-28.
99-0457	Gamble, J.A. and Wright, I.C.,	1995,	The Southern Havre Trough geological structure and magma petrogenesis of an active backarc rift complex:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	29-62.
99-0458	Hawkins, Jr. J.W.,	1995,	The geology of Lau Basin:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	63-138.
99-0459	Auzende, J-M., Pelletier, B. and Eissen, J-P.,	1995,	The North Fiji Basin geology, structure, and geodynamic evolution:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	139-175.
99-0460	Maillet, P.M., Rellan, E., Gérard, M., Person, A., Bellon, H., Cotton, J., Joron, J-L., Nakada, S. and Price, R.C.,	1995,	Tectonics, magmatism, and evolution of the New Hebrides backarc troughs (southwest Pacific):	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	177-235.
99-0461	Fryer, P.,	1995,	Geology of the Mariana Trough:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	237-279.
99-0462	Barker, P.F.,	1995,	Tectonic framework of the East Scotia Sea:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	281-314.
99-0463	Lawver, L.A., Keller, R.A., Fisk, M.R. and Strelin, J.A.,	1995,	Bransfield strait, Antarctic peninsula active extension behind a dead arc:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	315-342.
99-0464	Sibuet, J-C., Hsu, S-K., Shyu, C-T. and Liu, C-S.,	1995,	Structural and Kinematic evolutions of the Okinawa Trough backarc basin:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	343-379.
99-0465	Kobayashi, K., Kasuga, S. and Okino, K.,	1995,	Shikoku basin and its margins:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	381-405.
99-0466	Tamaki, K.,	1995,	Opening tectonics of the Japan Sea:	In: B. Taylor (ed), Backarc basins.	Plenum Press, New York	407-420.

## (Marine volcanology, Kumamoto Univ.)

- 99-0467 Gribidenko, H.S., Hilde, T.W.C., Gretskeya, E.V. and Andreyev, A.A., 1995, Kuril (south Okhotsk) backarc basin: In: B. Taylor (ed), Backarc basins. Plenum Press, New York 421-449.
- 99-0468 Ishibashi, J. and Urabe, T., 1995, Hydrothermal activity related to arc-backarc magmatism in the Western Pacific: In: B. Taylor (ed), Backarc basins. Plenum Press, New York 451-495.
- 99-0469 Marsaglia, K.M. and Devaney, K.A., 1995, Tectonic and magmatic controls on backarc basin sedimentation : The Mariana region reexamined: In: B. Taylor (ed), Backarc basins. Plenum Press, New York 497-520.
- 99-0470 Bloomer, S.H., Taylor, B., MacLeod, C.J., Stern, R.J., Fryer, P., Hawkins, J.W. and Johnson, L., 1995, Early arc volcanism and the Ophiolite problem: a perspective from drilling in the Western Pacific: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 1-30.
- 99-0471 Taylor, R.N., Marlow, M.S., Johnson, L.E., Taylor, B., Bloomer, S.H. and Mitchell, J.G., 1995, Intrusive volcanic rocks in Western Pacific forearcs: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 31-43.
- 99-0472 Arculus, R.J., Gill, J.B., Cambray, H., Chen, W. and Stern, R.J., 1995, Geochemical evolution of arc systems in the Western Pacific: the andes and turbidite record recovered by drilling: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 45-65.
- 99-0473 Clift, P.D., 1995, Volcaniclastic sedimentation and volcanism during the rifting of Western Pacific backarc basin: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 67-96.
- 99-0474 Cambray, H., Pubellier, M., Jolivet, L. and Poulet, A., 1995, Volcanic activity recorded in deep-sea sediments and the geodynamic evolution of Western Pacific island arcs: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 97-124.
- 99-0475 Hawkins, J.W., 1995, evolution of the Lau Basin: insights from ODP Leg 135: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 125-173.
- 99-0476 Hickey-Vargas, R., Hergt, J.M. and Spadea, P., 1995, The Indian Ocean-type isotopic signature in Western Pacific marginal basins: origin and significance: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 175-197.
- 99-0477 Crawford, A.J., Briquieu, L., Laporte, C. and Hasenaka, T., 1995, Coexistence of Indian and Pacific oceanic upper mantle reservoirs beneath the Central New Hebrides island arc: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 199-217.
- 99-0478 Torres, M.E., Marsaglia, K.M., Martin, J.B. and Murray, R.W., 1995, Sediment diagenesis in Western Pacific basins: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 241-258.
- 99-0479 Fryer, P., Mottl, M., Johnson, L., Haggerty, J., Phipps, S. and Maekawa, H., 1995, Serpentine bodies in the forearcs of Western Pacific convergent margins: origin and associated fluids: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 259-279.
- 99-0480 Maekawa, H., Fryer, P. and Ozaki, A., 1995, Incipient blueschist-facies metamorphism in the active subduction zone beneath the Mariana forearc: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 281-289.
- 99-0481 Marsaglia, K.M., Boggs, Jr., S.B., Clift, P., Seyedolali, A. and Smith, R., 1995, Sedimentation in Western Pacific backarc basins: new insights from recent ODP drilling: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 291-314.
- 99-0482 Underwood, M.B., Balance, P.F., Clift, P.D., Hiscott, R.N., Marsaglia, K.M., Pickering K.T. and Reid, R.P., 1995, Sedimentation in forearc basins, trenches and collision zones of the Western Pacific: a summary of results from the ocean drilling program: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 315-353.
- 99-0483 Jolivet, L., Shibuya, H. and Fournier, M., 1995, Paleomagnetic rotations and Japan Sea opening: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Western Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC 355-369.

- 99-0484 Hall, R., Fuller, M., Ali, J.R. and Anderson, C.D., 1995, The Philippine Sea plate: magnetism and reconstructions: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Westernj Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC, 371-404.
- 99-0485 Rangin, C., Silver, E. A. and Tamaki, K., 1995, closure of Western Pacific marginal basins: rupture of the oceanic crust and the emplacement of ophiolites: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Westernj Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC, 405-417.
- 99-0486 Martin, J.B., Kastner, M. and Egeberg, P.Kr., 1995, Origins of saline fluids at convergent margins: In: B. Taylor and J. Natland (eds), Active Margins and Marginal Basins of the Westernj Pacific (Geophysical Monograph 88), AGU, NM, Washington, DC, 219-239.
- 99-0488 Esperança, S. and Crisci, G.M., 1995, The island of Pantelleria: a case for the development of DMM-HIMU isotopic compositions in a long-lived extensional setting: Earth Planet. Sci. Lett., 136, 167-182.
- 99-0527 Honza, E, 1995, spreading mode of backarc basins in the western Pacific: Tectonophysics, 251, 139-152.
- 99-0532 Uto, K., 1995, Volcanoes and age determination: now and future of K-Ar and 40Ar/39Ar dating (in Japanese, with English abstract): Bull. volcanol. Soc. Japan, 40, 27-46.
- 99-0540 Uto, K., Conrey, R. M. Hirata, T. and Uchiumi, S., 1995, Improvements of the K-Ar dating system at Geological Survey of Japan. -Introduction of computer-controlled mass-spectrometry and pipette spike reservoir (In Japanese, with English abstract): Bull. Geol. Surv. Japan, 46, 239-249.
- 99-0556 Gokou, K., 1995, Geological analysis and evaluation of the Ogiri geothermal structure in the Kirishima geothermal area (In Japanese, with english abstract): Resource Geol., 45, 41-52.
- 99-0568 Kakubuchi, S., Nagao, T., Kagami, H. and Fujibayashi, N., 1995, Chemical and isotopic characteristics of the source mantle for late Cenozoic basalts in Southwest Japan (In Japanese, with English abstract): Mem. Geol. Soc. Japan, 44, 321-335.
- 99-0569 Osaka, T. and Nagao, T., 1995, Tholeiitic volcanic rocks from Uku Island, Nagasaki Prefecture, SW Japan (In Japanese, with English abstract): Mem. Geol. Soc. Japan, 44, 139-154.
- 99-0665 Jhon, D.A., 1995, Tilted middle Tertiary ash-flow calderas and subjacent granitic plutons, southern Stillwater Range, Nevada: cross sections of an Oligocene igneous center Geol. Soc. Am. Bull., 107, 180-200.
- 99-0776 Hsu, S.-K. and Sibuet, J.-C., 1995, Is Taiwan the result of arc-continent or arc-arc collision?: Earth Planet. Sci. Lett., 136, 315-324.
- 99-0787 Miki, M., 1995, Two-phase opening model for the Okinawa Trough inferred from paleomagnetic study of the Ryukyu arc: J. Geophys. Res., 100, 8169-8184.
- 99-0799 Ohno, M., Endo, K., Miyahara, T., Tohno, I. and Iso, N., 1995, Generation condition of accretionary lapilli in the 1992 Unzendake eruption -eruptive products of Unzendake eruption (In Japanese, with English abstract): Bull. Volcanol., Soc. Japan, 40, 1-12.
- 99-0808 Watanabe, K. and Hoshizumi, H., 1995, Geological map of Unzen Volcano 1:25,000 (In Japanese) Geol. Surv. Japan,
- 99-0822 Watanabe, K., Takada, H., Okabe, R. and Nishida, A., 1995, Stratigraphic relation between fluvial terrace deposits and widespread tephra beds in the middle reaches of the Sirakawa, Kumamoto Prefecture, Japan (In Japanese, with English abstract): Rep. Mem. Fac. Educ. Kumamoto Univ., 44, 15-22.
- 99-0825 Ono, K., Watanabe, K., Hoshizumi, H. and Ikebe, S., 1995, Ash eruption of the Naka-dake crater, Aso volcano, southwest Japan: J. Volcanol. Geotherm. Res., 66, 137-148.
- 99-0828 Kagiyama, T. and Utada, H., 1995, 霧島火山群の構造と火山活動 科学 ? 698-703.
- 99-0829 Ishihara, K., 1995, 桜島火山の噴火活動予測 科学 ? 708-710.
- 99-0840 Hayakawa, Y., 1995, One million-year chronology of volcanic eruptions in Japan using master tephtras (In Japanese, with English abstract): Bull. Volcanol., Soc. Japan, 40, 1-15.
- 99-0902 Takahashi, M., 1995, Large-volume felsic volcanism and crustal strain rate (In Japanese, with English abstract): Bull. Volcanol., Soc. Japan, 40, 33-42.
- 99-0923 Miyashita, A., 1995, Were the epithermal gold-silver deposits in the Hokusatsu region formed in association with cauldrons? (In Japanese, with English abstract): Res. Geol., 45, 313-321.
- 99-0930 Shuto, K., Nakajima, S., Ohki, J., Uemetsu, M., Watanabe, N. and Yamamoto, K., 1995, High field strength element depletions in the lithospheric mantle beneath the Northeast Japan arc (In Japanese, with English abstract): Mem. Geol. Soc. Japan, 44, 241-262.
- 99-1050 Francalaci, L., Varekamp, J.C., Vougioukalakis, G., Defant, M.J., Innocenti, F. and Manetti, P., 1995, Crystal retention, fractionation and crustal assimilation in a convecting magma chamber, Nisyros Volcano, Greece: Bull. Volcanol., 56, 601-620.
- 99-1133 Michaud, V., 1995, Crustal xenoliths in recent hawaiites from Mount Etna, Italy: evidence for alkali exchanges during magma-wall rock interaction: Chem. Geol., 122, 21-42.
- 99-1135 Bouloton, J. and Gasquet, D., 1995, Melting and undercooled crystallisation of felsic xenoliths from minor intrusions (Jebilet massif, Morocco): Lithos, 35, 201-219.
- 99-1145 Bouloton, J. and Gasquet, D., 1995, Melting and undercooled crystallisation of felsic xenoliths from minor intrusions (Jebilet massif, Morocco): Lithos, 35, 201-219.
- 99-1169 Kimura, M., 1995, Tectonic evolution of the east china sea and the Okinawa Trough: In Tokuyama, H., Shcheka, S., Isezaki, N., Vysotskiy, S., Kulinich, R., Karp, B., Lelikov, E., Fujioka, K. and Liu, G., (editors), Geology and Geophysics of the philippine sea, Terra Sci. Pub. Comp (Terrapub), Tokyo, 145-153.

- 99-1170 Fujimoto, H. and Liu, G., 1995, Gravity anomalies in the Philippine Sea: In Tokuyama, H., Shcheka, S., Isezaki, N., Vysotskiy, S., Kulinich, R., Karp, B., Lelikov, E., Fujioka, K. and Liu, G., (editors), *Geology and Geophysics of the philippine sea*, Terra Sci. Pub. Comp (Terrapub), Tokyo, 25-30.
- 99-1171 Shcheka, S.A., Vysotskiy, S.V., S'edin, V.T. and Tararin, I.A., 1995, Igneous rocks of the main geological structures of the Philippine Sea floor: In Tokuyama, H., Shcheka, S., Isezaki, N., Vysotskiy, S., Kulinich, R., Karp, B., Lelikov, E., Fujioka, K. and Liu, G., (editors), *Geology and Geophysics of the philippine sea*, Terra Sci. Pub. Comp (Terrapub), Tokyo, 251-278.
- 99-1172 Tokuyama, H., 1995, Origin and development of the Philippine Sea In Tokuyama, H., Shcheka, S., Isezaki, N., Vysotskiy, S., Kulinich, R., Karp, B., Lelikov, E., Fujioka, K. and Liu, G., (editors), *Geology and Geophysics of the philippine sea*, Terra Sci. Pub. Comp (Terrapub), Tokyo, 155-163.
- 99-1173 Suyehiro, K., Semyonova, G.J., Guodong, L., Changquan, L., Lidaka, T. and Nishizawa, A., 1995, Seismic structure of the crust and upper mantle of the Philippine sea and continental China: In Tokuyama, H., Shcheka, S., Isezaki, N., Vysotskiy, S., Kulinich, R., Karp, B., Lelikov, E., Fujioka, K. and Liu, G., (editors), *Geology and Geophysics of the philippine sea*, Terra Sci. Pub. Comp (Terrapub), Tokyo, 95-124.
- 99-1174 Malyarenko, A.N. and Lelikov, E.P., 1995, Granites and associated rocks in the Philippine Sea and the East China: In Tokuyama, H., Shcheka, S., Isezaki, N., Vysotskiy, S., Kulinich, R., Karp, B., Lelikov, E., Fujioka, K. and Liu, G., (editors), *Geology and Geophysics of the philippine sea*, Terra Sci. Pub. Comp (Terrapub), Tokyo, 311-328.
- 99-1180 Wolf, M.B. and Wyllie, P.J., 1995, Liquid segregation parameters from amphibolite dehydration melting experiments: J. Geophys. Res., 100, 15611-15621.
- 99-1186 Komazawa, M., 1995, Gravity anomaly of kyushu region ( In Japanese): In *Geologic atlas of Japan: Kyushu* Asakura Pub. Co. Ltd. Tokyo, 12
- 99-1202 Okuno, M., Naruo, H., Arai, F. and Kobayashi, T., 1995, Late Pleistocene tephra layers distributed on southern part of Osumi Peninsula, Southwest Japan (In Japanese, with English abstract): 鹿児島大理紀要(地学・生物), 28, 101-110.
- 99-1204 Otsuka, H., Hokama, K., Tanaka, T., Atomura, N., Takenouchi, T. and Ueno, H., 1995, Re-examination on the geology of the southern part of the Shimabara Peninsula, West Kyushu, Japan (In Japanese, with English abstract): 鹿児島大理紀要(地学・生物), 28, 181-241.
- 99-1268 Eiler, J.M., Farley, K.A., Valley, J.W., Stolper, E.M., Hauri, E.H. and Craig, H., 1995, Oxygen isotope evidence against bulk recycled sediment in the mantle sources of Pitcarin island lavas: Nature, 377, 138-141.
- 99-1289 Cande, S.C. and Kent, D.V., 1995, Revised calibration of the geomagnetic polarity timescale for the late Cretaceous and Cenozoic: J. Geophys. Res., 100, 6093-6095.
- 99-1291 Fouquet, Y. and Marcoux, E., 1995, Lead isotope systematics in Pacific hydrothermal sulfide deposits: J. Geophys. Res., 100, 6025-6040.
- 99-1298 Ghiorso, M.S. and Sack, R.O., 1995, Chemical mass transfer in magmatic processes IV. A revised and internally consistent thermodynamic model for the interpolation and extrapolation of liquid-solid equilibria in magmatic systems at elevated temperatures and pressures: Contrib. Mineral. Petrol., 119, 197-212.
- 99-1324 Rapp, R.T. and Watson, E.B., 1995, Dehydration melting of metabasalt at 8-32 kbar: implications for continental growth and crust-mantle recycling: J. Petol., 36, 891-931.
- 99-1443 佐藤裕司, 1995, イオウの分別化学抽出と珪藻分析による古環境解析—兵庫県気比低地のコア堆積物を例に— 第四紀研究, 34, 101-106.
- 12-026 Sun-Lin Chung,\*§ T. Frank Yang,\* Chi-yu Lee\* and Cheng-Hong Chen\* 1995, The igneous provinciality in Taiwan: consequence of continental rifting superimposed by Luzon and Ryukyu subduction systems. Journal of Southeast Asian Earth Sciences 11, 73-80.
- 12-176 Mizuho Ishida 1995, The seismically quiescent boundary between the Philippine Sea plate and the Eurasian plate in central Japan. Tectonophysics, 243, 241-253.
- 12-177 D.A. Ionov , A.W. Hofmann 1995, Nb-Ta-rich mantle amphiboles and micas: Implications for subduction-related metasomatic trace element fractionations. Earth and Planetary Science Letters, 131, 341-356.
- 12-183 W. Johannes a,\*, F. Holtz b, P. Moller 1995, REE distribution in some layered migmatites: Constraints on their petrogenesis. Lithos, 35, 139-152.
- 12-200 DAN McKENZIE1\* AND R. KEITH O'NIONS2 1995, The source regions of ocean island basalts. Jour. Petrol., 36, 133-159.
- 12-210 Peter B. Kelemen 1995, Genesis of high Mg# andesites and the continental crust. Contrib Mineral Petrol 120, 1-19.
- 12-b011 C. G. Sammis and S. J. Steacy 1995, 9. Fractal Fragmentation in Crustal Shear Zones. Fractals in the Earth Sciences, edited by Christopher C. Barton and Paul R. La Pointe. Plenum Press, New York, 179-204.
- 12-b012 J.W. Cole, D.J. Darby, and T.A. Stern, 1995, 1. Taupo Volcanic Zone and Central Volcanic Region Backarc Structures of North Island, New Zealand. ~~~~ .. Backarc Basins: Tectonics and Magmatism, edited by Brian Taylor, Plenum Press, New York, 1-137.
- 12-b015 G. Orsi a, L. Civetta n.b , M. D' Antonio 3, P. Di Girolamo c, M. Piochi 1995, Step-filling and development of a three-layer magma chamber: the Neapolitan Yellow Tuff case history. Journal of Volcanology and Geothermal Research, 67, 291-312.

(Marine volcanology, Kumamoto Univ.)

12-b022	P. Schiano*, R. Clocciattit, N. Shimizu", R. C. Maury\$, K. P. Jochum11 & A. W. Hofmann11	1995,	Hydrous, silica-rich melts in the sub-arc mantle and their relationship with erupted arc lavas.	Nature,	377,	595-600.
13-062	Chang-Hwa Chen a*, Typhoon Lee a*bY, uch-Ning Shieh ', Cheng-Hong Chen b, Wen-Yu Hsu a	1995,	Magmatism at the onset of back-arc basin spreading in the Okinawa Trough.	Journal of Volcanology and Geothermal Research,	69,	313-322.
15-219	T.G. Leighton,	1995,	Acoustic bubble detection - II: The detection of transient cavitation.	Environmental engineering,		16-25.
15-307	J. Boulotorf, D. Gasquetb	1995,	Melting and undercooled crystallisation of felsic xenoliths from minor intrusions (Jebilet massif, Morocco).	Lithos,	35,	203-219.
08-119	Massonnet, D., Feigi, K., Rossi, M., Adragna, F.,	1994,	Radar interferometric mapping of deformation in the year after the Landers earthquake.	Nature,	369,	227-
13-018	河田清雄・鎌田泰彦・松井和典,	1994,	5万分の一地質図 福江	地域地質研究報告書5万分の1図幅 鹿児島(15)-8		
99-0032	Myers, J. D. and Frost, C. D.,	1994,	A petrological re-investigation of the Adak volcanic center, central Aleutian arc, Alaska:	J. Volcanol. Geotherm. Res.,	60,	109-146.
00-0041	Moore, J.G. and Normark, W.R.,	1994,	Giant Hawaiian landslides	Annu. Rev. Earth Planet. Sci.,	22,	119-144.
00-0212	Blair, T. C. and McPherson, J. G.,	1994,	Alluvial fans and their natural distinction from rivers based on morphology, hydraulic processes, sedimentary processes, and facies assemblages.	J. Sedimentary Res.,	A64,	450-489.
00-0221	Carracedo, J. C.,	1994,	The Canary islands: an example of structural control on the growth of large oceanic-island volcanoes.	J. Volcan. Geotherm. Res.,	60,	225-241.
01-012	Wiebe, R.A.	1994,	Silicic magma chambers as traps for basaltic magmas: the Cadillac mountain intrusive complex, Mount Desert island, maine.	J. Geol.,	102,	423-437.
02-0032	Zhu, C., Xu, H., Ilton, E.S., Veblen, D.R., Henry, D.J., Tivey, M.K., Thompson, G.,	1994,	TEM-AEM observations of Cl-rich amphibole and biotite and possible petrologic implications.	Amer. Mine.,	79,	909-920.
02-0046	Macdonald, R., Navarro, J.M., Upton, B.G.J., Davies, G.R.,	1994,	Strong compositional zonation in peralkaline magma: Menengai, Kenya rift valley.	J. Volcan. Geotherm. Res.,	60,	301-325.
02-0103	Borgia, A.,	1994,	Dynamic basis of volcanic spreading	J. Geophys. Res.,	99,	17791-
03-0088	Sahagian, D.L., and Maus, J.E.,	1994,	Basalt vesicularity as a measure of atmospheric pressure and palaeoelevation.	Nat.,	372,	449-451.
03-0098	Clague, D.A. and Denlinger, R.P.,	1994,	Role of olivine cumulates in destabilizing the flanks of Hawaiian volcanoes.	Bull. Volcanol.,	56,	425-434.
03-0165	Horn, I., Foley, S.F., Jackson, S.E., and Jenner, G.A.,	1994,	Experimentally determined partitioning of high field strength- and selected transition elements between spinel and basaltic melt.	Chem. Geol.,	117,	193-218.
04-014	Garcia, M.O., and Hull D.M.,	1994,	Turbidites from giant Hawaiian landslides: results from ocean drilling program site 842.	geology,	22,	159-162.
04-026	Zhu, R.X., Zhou, L.P., Laj, C., Mazaud, A., and Ding, Z.L.,	1994,	The Blake geomagnetic polarity episode recorded in Chinese loess.	J. Geophys. Res.,	21,	697-700.
04-076	Reading, H.G., and Richards, M.,	1994,	Turbidite systems in deep-water basin margins classified by grain size and feeder system.	AAPG Bull.,	78,	792-822.
05-045	Woods, A.W., and Koyaguchi, T.,	1994,	Transition between explosive and effusive eruptions of silicic magmas.	Nat.,	370,	641-644.
05-076	Johnson, M.C., Anderson, A.T., Jr., Rutherford, M.J.,	1994,	Pre-Eruptive Volatile Contents of Magmas	In Carroll, M.R., and Holloway, J.R., eds., Volatiles in Magmas	Mineralogical Society of America Reviews in Mineralogy v. 30	281-330.
05-078	Sparks, R. S. J., Barclay, J., Jaupart, C., Mader, H.M., Phillips, J.C.,	1994,	Physical Aspects of Magmatic Degassing I. Experimental and Theoretical Constraints on Vesiculation	in Carroll, M.R., and Holloway, J.R., eds., Volatiles in Magmas	Mineralogical Society of America Reviews in Mineralogy v. 30	413-445.
06-072	Hodder, A.P.W.,	1994,	Rare earth mobility in young arc-type volcanic rocks from northern New Zealand: a comment to a paper by E. Kuschel and I.E.M. Smith.	Geochimica et Cosmochimica. Acta.	58,	1389-1391.
06-1015	?	1994,	Preface.	Tectonophysics	238,	vii-xii.
06-1034	Dawson, J.B., Smith, J.V., Steele, I.M.,	1994,	Trace-elements distribution between coexisting perovskite, apatite and titanite from Oldoinyo Lengai, Tanzania.	Chem. Geol.,	117,	285-290.
06-1035	Bea, F., Pereira, M.D., Stroh, A.,	1994,	Mineral / leucosome trace-element partitioning in a peraluminous migmatite ( a laser ablation-ICP-MS study).	Chem. Geol.,	117,	291-312.
06-1036	Adam, J., Green, T.H.,	1994,	The effects of pressure and temperature on the partitioning of Ti, Sr and REE between amphibole, clinopyroxene and basaltic melts.	Chem. Geol.,	117,	219-233.
06-1037	Forsythe, L.M., Nielsen, R.L., Fisk, M.R.,	1994,	High-field-strength element partitioning between pyroxene and basaltic to dacitic magmas.	Chem. Geol.,	117,	107-125.
06-1038	Ewart, A., Griffin, W.L.,	1994,	Application of proton-microprobe data to trace-element partitioning in volcanic rocks.	Chem. Geol.,	117,	251-284.
06-1039	?	1994,	Preface.	Chem. Geol.,	117,	vii-xiv.
06-1102	早川由紀夫	1994,	燧ヶ岳で見つかった約500年前の噴火堆積物	火山,	39,	243-246.
06-2017	Govindaraju, K.,	1994,	1994 compilation of working values and sample description for 383 geostandards.	Geostandards Newsletter,	18,	1-158.
06-3058	Kano, K., Orton, G.J., Kano, T.,	1994,	A hot Miocene subaqueous scoria-flow deposit in the Shimane Peninsula, SW Japan.	J. Volcanol. Geotherm. Res.	60,	1-14.
06-3102	Kimura, S., Tsukamoto, K., Sugimoto, T.,	1994,	A model for the larval migration of the Japanese eel: roles of the trade winds and salinity front.	Marine Biology,	119,	185-190.
06-3151	Neurauter, T.W., Roberts, H.H.,	1994,	Three generations of mud volcanoes on the Louisiana continental slope.	Geo-Marinen Letters,	14,	120-125.
07-095	Maaloe, S.,	1994,	Estimation of the degree of partial melting using concentration ratios.	Geochim. Cosmochim.	58,	2519-
07-099F	Brodie, J., Latin, D., White, N.,	1994,	Rare earth element inversion for melt distribution: sensitivity and application.	J. Petrol.,	35,	1155-1174.

07-116	Fodor, R.V., Moore, R.B.,	1994,	Petrology of gabbroic xenoliths in 1960 Kilauea basalt: crystalline remnants of prior (1955) magmatism.	Bull. Volcanol.,	56,	62-74.
07-146	Bertka, C.M., Holloway, J.R.,	1994,	Anhydrous partial melting of an iron-rich mantle II: primary melt compositions at 15 kbar.	Contrib., Mineral., Petrol.,	115,	323-338.
07-147	Bertka, C.M., Holloway, J.R.,	1994,	Anhydrous partial melting of an iron-rich mantle I: subsolidus phase assemblages and partial melting phase relations at 10 to 30 kbar.	Contrib., Mineral., Petrol.,	115,	313-322.
07-155	Baker, M.B., Stolper, M.,	1994,	Determining the composition of high-pressure mantle melts using diamond aggregates.	Geochim. Cosmochim. Acta.,	58,	2811-2827.
07-157	Vannucci, r., Ottolini, L., Bottazzi, P., Downes, H., Dupuy, C.,	1994,	INAA, IDMS and SISM comparative REE investigations of clinopyroxenes from mantle xenoliths with different textures.	Chemical. Geol.,	118,	85-108.
07-168s	Nakada, S., Bacon, C.R., Gartner, A.E.,	1994,	Origin of phenocrysts and compositional diversity in pre-Mazama rhyodacite lavas, Crater Lake, Oregon.	J. Petrol.,	35,	127-162.
08-043	Hiscott, R.N.,	1994,	Traction-carpet stratification in turbidites -- fact or fiction?	J. Sedi. Res.,	64,	204-208.
08-044	Hiscott, R.N.,	1994,	Loss of capacity, not competence, as the fundamental process governing deposition from turbidity currents.	J. Sedi. Res.,	64,	209-214.
08-132	McCulloch, M.T., Kyser, T.K., Woodhead, J.D., Kinsley, L.,	1994,	Pb-Sr-Nd-O isotopic constraints on the origin of rhyolites from the Taupo volcanic zone of New Zealand: evidence for assimilation followed by fractionation from basalt.	Contrib. Min. Petrol.,	115,	303-312.
08-218	Nakada, T., Bacon, C.R., Gartner, A.E.,	1994,	Origin of phenocrysts and compositional diversity in Pre-Mazama rhyodacite lavas, Crater Lake, Oregon.	J. Petrol.,	35,	127-162.
08-229	Peacock, S.M., Rushmer, T., Thompson, A.B.,	1994,	Partial melting of subducting oceanic crust.	Earth Planet. Sci. Lett.,	121,	227-244.
08-346	Petford, N., Lister, J.R., Ker, R.C.,	1994,	The ascent of felsic magmas in dykes.	Lithos,	32,	161-168.
09-024	木村政昭, 小野朋典, 松岡裕美, 大塚裕之, 中村俊夫, 宮崎幸光,	1994,	沖縄トラフ東縁のテクトニクスー背弧海盆形成メカニズムの解明ー.	海洋科学技術センター試験研究報告,		299-321.
09-029	藤岡換太郎, 松本剛, 加藤幸弘, 鳥井真之,	1994,	琉球海溝の海側・陸側斜面の地形と地質ー琉球海溝横断潜行ー.	JAMSTEC 深海研究,	10,	261-280.
10-094	Morikawa, M., Izawa, Y., Rashid, N., Hoaki, T., Imanaka, T.,	1994,	Purification and characterization of a thermostable Thiol Protease from a newly isolated hyperthermophilic Pyrococcus sp.	Applied and Environmental Microbiology	60,	4559-4566.
10-233	REX. N. TAYLOR1, ROBERT W. NESBITT1, PHILLIPE VIDAL2, RUSSELL S. HARMON3, BERNARD AUVRAY4 IAN W. CROUDACE	1994,	Mineralogy, Chemistry, and Genesis of the Boninite Series Volcanics, Chichijima, Bonin Islands, Japan	Journal of Petrology,	35,	577-617.
10-396	M. R. Perfit, D. J. Fornari, M. C. Smith, J. F. Bender, C. H. Langmuir, R. M. Haymon	1994,	Small-scale spatial and temporal variations in mid-ocean ridge crest magmatic processes.	Geology,	22,	375-379.
99N-101	Brenan, J. M., Shaw, H. F. and Phinney, D. L.,	1994,	Experimental determination of trace element partitioning between pargasitic amphibole and hydrous silicate melt:	Mineral. Mag.,	58A,	121-302.
99N-111	Nakajima, T.,	1994,	The Ryoke plutonometamorphic belt: crustal section of the Cretaceous Eurasian continental margin:	Lithos,	33,	51-66.
99N-112	Gill, J. B., Hiscott, R. N. and Vidal, Ph.,	1994,	Turbidite geochemistry and evolution of Izu-Bonin arc and continents:	Lithos,	33,	135-168.
99N-113	Yanagi, T. and Yamashita, K.,	1994,	Genesis of continental crust under island arc conditions:	Lithos,	33,	209-223.
99N-114	Araña, V., Martí, J., Aparicio, A., García-Cacho, L. and García-García,	1994,	Magma mixing in alkaline magmas: An example from Tenerife, Canary Islands:	Lithos,	32,	1-19.
99N-115	Morogan, V. and Sørensen, H.,	1994,	Net-veined complexes in the Oslo Rift, southeast Norway:	Lithos,	32,	21-45.
99N-117	Whitney, D. L. and Irving, A. J.,	1994,	Origin of K-poor leucosomes in a metasedimentary migmatite complex by ultrametamorphism, syn-metamorphic magmatism and subsolidus processes:	Lithos,	32,	173-192.
99N-120	Arculus, R. J., Banno, S., Charvet, J. and Kushiro, I.,	1994,	Preface:	Lithos,	33,	1-2.
99N-121	Jolivet, L., Daniel, J. M., Truffert, C. and Goffé, B.,	1994,	Exhumation of deep crustal metamorphic rocks and crustal extension in arc and back-arc regions:	Lithos,	33,	3-30.
99N-124	Pe-Piper, G. and Piper D. J. W.,	1994,	Miocene magnesian andesites and dacites, Evia, Greece: adakites associated with subducting slab detachment and extension:	Lithos,	31,	125-140.
99N-125	Arculus, R. J.,	1994,	Aspects of magma genesis in arcs:	Lithos,	33,	189-208.
99N-157	Hawkesworth, C. J., Gallagher, K., Hergt, J. M. and McDermott, F.,	1994,	Destructive plate margin magmatism: Geochemistry and melt generation:	Lithos,	33,	169-188.
99N-173	Montanini, A., Barbieli, M. and Castrina, F.,	1994,	The role of fractional crystallization, crustal melting and magma mixing in the petrogenesis of rhyolites and mafic inclusion-bearing dacites from the Monte Acri volcanic complex (Sardina, Italy):	J. Volcanol. Geotherm. Res.,	61,	95-120.
99N-184	Baker, D. R. and Bossányi, H.,	1994,	The combined effect of F and H <sub>2</sub> O on interdiffusion between peralkaline dacitic and rhyolitic melts:	Contrib. Mineral. Petrol.,	117,	203-214.
99N-185	Frost, B. R. and Bucher, K.,	1994,	Is water responsible for geophysical anomalies in the deep continental crust? A petrological perspective:	Tectonophysics,	231,	293-309.
99N-188	Menzies, M. A.,	1994,	Plate tectonics and lithosphere architecture: temporal and spatial consequences:	Mineralogical Magazine,	58A,	595-596.
99N-189	Tepley, F. J., Davidson, J. B. and Holden, P.,	1994,	Isotopic monitoring of magma mingling at Chaos Crags, Lassen Volcanic Park, Ca.:	Mineralogical Magazine,	58A,	895-896.
99N-190	Nabelek, P. I.,	1994,	Dehydration melting and differential uplift of a partially molten crust in the Black Hills, South Dakota, USA:	Mineralogical Magazine,	58A,	645-646.
99N-191	Patiño Douce, A. E.,	1994,	Melt generation in the continental crust: answered and unanswered questions:	Mineralogical Magazine,	58A,	692-693.
99N-192	Turner, S., Hawkesworth, C., Macdonald, R., Black, S. and van Calsteren, P.,	1994,	Th, Pb, Nd and Sr isotope variations in volcanic rocks from the Lesser Antilles:	Mineralogical Magazine,	58A,	916-917.
99N-193	Vroon, P. Z., Lowry, D. and Van Bergen, M. J.,	1994,	Oxygen- and Sr-isotopic systematics of the Banda Arc volcanics (Indonesia): Evidence for subduction of continental material:	Mineralogical Magazine,	58A,	945-?.

99N-41	Dawes, R. L.,	1994,	Mount St. Helens: Potential example of the partial melting of the subducted lithosphere in a volcanic arc: Comments and reply:	Geol.,	February,	187-190.
99N-42	Bernstein, S.,	1994,	High-pressure fractionation in rift-related basaltic magmatism: Faeroe plateau basalts:	Geol.,	22,	815-818.
99N-43	Weaver, S. D., Storey, B. C., Pankhurst, R. J., Mukasa, S. B., DiVenere V. J. and Bradshaw, J. D.,	1994,	Antarctica-New Zealand rifting and Marie Byrd Land lithospheric magmatism linked to ridge subduction and mantle plume activity:	Geol.,	22,	811-814.
99N-45	Lagabrielle, Y., Le Moigne, J., Maury, R. C., Cotten, J. and Bougrois, J.,	1994,	Volcanic record of the subduction of an active spreading ridge, Taitao Peninsula (southern Chile):	Geology,	22,	515-518.
99N-65	Sawyer, E. W.,	1994,	Melt segregation in the continental crust:	Geol.,	22,	1019-
99S-02	Ludwig, K. R. and Titterton, D. M.,	1994,	Calculation of $^{230}\text{Th}/\text{U}$ isochrons, ages, and errors:	Geochem. Cosmochem.	58,	5031-
99S-03	Shinohara, H.,	1994,	Exsolution of immiscible vapor and liquid phases from a crystallizing silicate melt: Implications for chlorine and metal transport:	Geochem. Cosmochem. Acta.,	58,	5215-5221.
99S-44	Perfit, M. R., Fornari, D. J., Smith, M. C., Bender, J. F., Langmuir, C. H. and Haymon, R. M.,	1994,	Small-scale spatial and temporal variations in mid-ocean ridge crest magmatic processes:	Geol.,	22,	375-379.
99S-45	Means, W. D. and Park, Y.,	1994,	New experimental approach to understanding igneous texture:	Geol.,	22,	323-326.
99S-46	Andersson, U. B. and Eklund, O.,	1994,	Cellular plagioclase intergrowths as a result of crystal-magma mixing in the Proterozoic Aland rapakivi batholith, SW Finland:	Contrib. Mineral. Petrol.,	117,	124-136.
99S-54	Herzig, C. T. and Jacobs, D. C.,	1994,	Cenozoic volcanism and two-stage extension in the Salton trough, southern California and northern Baja California:	Geology,	22,	991-994.
99S-55	Osozawa, S.,	1994,	Plate reconstruction based upon age data of Japanese accretionary complexes:	Geol.,	22,	1135-1138.
99S-56	Bernstein, S.,	1994,	High-pressure fractionation in rift-related basaltic magmatism: Faeroe plateau basalts:	Geol.,	22,	815-818.
99S-58	Kerr, A. C.,	1994,	Lithospheric thinning during the evolution of continental large igneous provinces: A case study from the north Atlantic Tertiary province:	Geology,	22,	1027-1030.
99S-81	Brown, M.,	1994,	Crustal anatexis and ascent of felsic magmas	Lithos,	32,	109-110.
99S-82	Holtz, F. and Johannes, W.,	1994,	Maximum and minimum water contents of granitic melts: Implications for chemical and physical properties of ascending magmas:	Lithos,	32,	149-159.
99T-29	Miller, D. M., Goldstein, S. L. and Langmuir, C. H.,	1994,	Cerium / lead and lead isotope ratios in arc magmas and the enrichment of lead in the continents:	Nat.,	368,	514-520.
99T-45	Zanetti, A., Vannucci, R., Bottazzi, P., Oberti, R. and Ottolini, L.,	1994,	Crystal-chemical variations in amphiboles close to a hornblende vein: Implications for models of mantle metasomatism:	Mineralogical Magazine,	58,	998-999.
99T-46	Woodhead, J. D.,	1994,	The geochemistry of Mangaia (Cook Island) and evaluation of the recycling model for the origin of the HIMU OIB signature:	Mineralogical Magazine,	58,	988-989.
99T-47	Wickham, S. M., Litvinovsky, B. A., Zanzvilevich, A. N. and Bindeman, I. N.,	1994,	Batholithic, K-rich silicic magmatism in east-central Asia: Evidence for a mantle source for progressive regional crustal potassium enrichment:	Mineralogical Magazine,	58,	969-970.
99T-48	Wedepohl, K. H.,	1994,	The composition of the continental crust:	Mineralogical Magazine,	58,	959-960.
99T-49	Waters, D. J.,	1994,	Textural studies of migmatitic granulites: Solid-melt reactions and the role of fluids:	Mineralogical Magazine,	58,	957-958.
99T-50	Vielzeuf, D. and Montel, J. M.,	1994,	Experimental constraints on partial melting in the crust:	Mineralogical Magazine,	58,	940-941.
99Y-100	Hawkesworth, C. and Turner, S.,	1994,	The composition of the sub-continental mantle: evidence from magmatic rocks:	Mineralogical magazine,	58A,	396-397.
99Y-101	Hawkesworth, C., Gallagher, K. and Turner, S.,	1994,	Causes of melt generation in the sub-continental mantle:	Mineralogical magazine,	58A,	394-395.
99Y-102	Harris, N., Ayres, M. and Massey, J.,	1994,	Chemical disequilibrium during crustal anatexis:	Mineralogical magazine,	58A,	380-381.
99Y-103	Hammouda, T., Pichavant, M. and Chaussidon, M.,	1994,	Mechanisms of isotope equilibration during partial melting: an experimental test of the behaviour of Sr:	Mineralogical magazine,	58A,	368-369.
99Y-130	Cousens, B. L., Allan, J. F. and Gorton, M. P.,	1994,	Subduction-modified pelagic sediments as the enriched component in back-arc basalts from the Japan Sea: ocean drilling program sites 797 and 794:	Contrib. Mineral. Petrol.,	117,	421-434.
99Y-139	Thy, P. and Lofgren, G. E.,	1994,	Experimental constraints on the low-pressure evolution of transitional and mildly alkalic basalts: the effect of Fe-Ti oxide minerals and the origin of basaltic andesites:	Contrib. Mineral. Petrol.,	116,	340-351.
99Y-141	Collins, W. J.,	1994,	Upper- and middle-crustal response to delamination: An example from Lachlan fold belt, eastern Australia:	Geol.,	22,	143-146.
99Y-167	Verma, S. P.,	1994,	Geochemical and isotopic constraints on the origin of mafic volcanism in central Mexico:	Mineralogical magazine,	58A,	938-939.
99Y-168	Grove, T. L., Kinzler, R. J. and Gaetani, G. A.,	1994,	Using constraints from experimental petrology studies to model mantle melting processes under anhydrous and hydrous conditions:	Mineralogical magazine,	58A,	354-355.
99Y-170	Huang, Y.-M., van Calsteren, P., Hawkesworth, C., Black, P. and Smith, I.,	1994,	OIB-like magmatism in Auckland, New Zealand:	Mineralogical magazine,	58A,	432.
99Y-171	Lea, D. W.,	1994,	The composition of glacial Antarctic Circumpolar Deep Water and its role in driving changes in atmospheric carbon dioxide:	Mineralogical magazine,	58A,	513.
99Y-172	King, P. M., Hawkesworth, C. J. and Rogers, N. W.,	1994,	Magmatism and extension in the Azores:	Mineralogical magazine,	58A,	479.
99Y-173	Kinny, P. and Friend, C.,	1994,	A new insight into Lewisian chronology:	Mineralogical magazine,	58A,	481.
99Y-174	Kilian, R. and Stern, Ch.,	1994,	New trace element and isotopic constraints on the genesis of andesites and dacites of the Quaternary Austral Volcanic Zone of the Andes:	Mineralogical magazine,	58A,	477.
99Y-175	Langmuir, C. H.,	1994,	Major element heterogeneity in the mantle: constraints from a general model for basalt petrogenesis:	Mineralogical magazine,	58A,	511.
99Y-176	Rapp, R. P.,	1994,	Partial melting of metabasalts at 2-7 Gpa: Experimental results and implications for lower crustal and subduction zone processes:	Mineralogical magazine,	58A,	761.
99Y-44	Price, M. and Suppe, J.,	1994,	Mean age of rifting and volcanism on Venus deduced from impact crater densities:	Nat.,	372,	756-759.

99Y-5	Roger, P. and Holland, T.,	1994,	Optimal geothermometry and geobarometry:	American Mineralogist.,	79,	120-133.
99Y-53	Cavazzini, G.,	1994,	Increase of $^{87}\text{Sr}/^{86}\text{Sr}$ in residual liquids of high-Rb/Sr magmas that evolve by fractional crystallization:	Chemical Geol.,	118,	321-326.
99Y-6	Inger, S.,	1994,	Magma genesis associated with extension in orogenic belts: examples from the Himalaya and Tibet:	Tectonophysics.,	238,	183-197.
99Y-61	Szakacs, Alexandru.,	1994,	Redefining active volcanoes: a discussion:	Bull. Volcanol.,	56,	321-325.
99Y-67	Manning, C. E.,	1994,	The solubility of quartz in H <sub>2</sub> O in the lower crust and upper mantle:	Geochm. Cosmochim.	58,	4831-
99Y-68	Robinson, C.,	1994,	Lago Grande di Monticchio, southern Italy: a long record of environmental change illustrated by sediment geochemistry:	Chemical Geol.,	118,	235-254.
99Y-80	Bedard, J. H.,	1994,	A procedure for calculating the equilibrium distribution of trace elements among the minerals of cumulate rocks, and the concentration of trace elements in the coexisting liquids:	Chemical Geol.,	118,	143-153.
99Y-84	Bjorn, W., Milman, V. and Payne, M. C.,	1994,	Orientation, location, and total energy of hydration of channel H <sub>2</sub> O in cordierite investigated by ad-initio total energy calculations:	American Mineralogist.,	79,	200-204.
99Y-92	Pereira, M. D. and Bea, F.,	1994,	Cordierite-producing reactions in the pena negra complex, avila batholith, central Spain: the key role of cordierite in low-pressure anatexis:	The Canadian Mineralogist,	32,	763-780.
99Y-96	Pearce, J. A., Parkinson I. J. and Peate, D. W.,	1994,	Geochemical evidence for magma generation above subduction zones:	Mineralogical magazine,	58A,	701-702.
99Y-97	Kelemen, P. B.,	1994,	Origin of high Mg# andesite and the continental crust:	Mineralogical magazine,	58A,	464-465.
99Y-98	Hofmann, A. W. and Stein, M.,	1994,	Episodic crustal Growth and mantle evolution:	Mineralogical magazine,	58A,	420-421.
99Y-99	Hinton, R. W. and Paterson, B. A.,	1994,	Crystallisation history of granitic magma: evidence from trace element zoning:	Mineralogical magazine,	58A,	416-417.
10-533	藤岡換太郎*1 松本剛*1 加藤幸弘*2 鳥井真之 新城 竜一*4 小野朋典	1994,	琉球海溝の海側・陸側斜面の地形と地質 一琉球海溝横断潜航-	海洋科学技術センター試験研究報告,		261-280.
99-0001	Nono, A., Déruell, B., Demaiffe, D. and Kambou, R.,	1994,	Tchabal Naganha volcano in Adamawa (Cameroon): petrology of a continental alkaline lava series:	J. Volcanol. Geotherm. Res.,	60,	147-178.
99-0008	Bradshaw, T. K. and Smith, E. I.,	1994,	Polygenetic Quaternary volcanism at Crater Flat, Nevada:	J. Volcanol. Geotherm. Res.,	63,	165-182.
99-0014	Montanini, A., Barbieri M. and Castorina, F.,	1994,	The role of fractional crystallization, crustal melting and magma mixing in the petrogenesis of rhyolites and mafic inclusion-bearing dacites from the Monte Arci volcanic complex (Sardinia, Italy):	J. Volcanol. Geotherm. Res.,	61,	95-120.
99-0043	Hill, D.P., Gasparini, P., McNutt, S. and Rymer, H.,	1994,	"internal structure of volcanoes and geophysical precursors of eruptions" preface:	J. Volcanol. Geotherm. Res.,	61,	III-IV
99-0044	Smith, R.B. and Braile L. W.,	1994,	The Yellowstone hotspot	J. Volcanol. Geotherm. Res.,	61,	121-187.
99-0099	Kamioka, H.,	1994,	JR-3, a LIL-enriched GSJ rock reference sample:	Geochem. J.,	28,	363-366.
99-0115	Ikeda, Y. and Yuasa, M.,	1994,	Origin of alkaline volcanic rocks occurring on the volcanic front of the Izu-Mariana arc, northwest Pacific:	J. Min. Petr. Econ. Geol.,	89,	233-244.
99-0157	Vielzeuf, D. and Montel, J.M.,	1994,	Partial meltin of metagreywackes. Part I. Fluid-absent experiments and phase relationships:	Contrib. Mineral. Petrol.,	117,	375-393.
99-0159	Todd, C. and Evans, B.W.,	1994,	Properties of CO <sub>2</sub> -induced dehydration of amphibolite:	J. Petrol.,	35,	1213-1226.
99-0164	Schnetger, B.,	1994,	Partial melting during the evolution of the amphibolite-to granulite-facies gneisses of the Ivrea Zone, northern Italy:	Chem. Geol.,	113,	71-101.
99-0169	Sisson, T.W.,	1994,	Hornblende-melt trace-element partitioning measured by ion microprobe:	Chem. Geol.,	117,	331-344.
99-0171	Sen, C. and Dunn, T.,	1994,	Dehydration melting of a basaltic composition amphibolite at 1.5 and 2.0 Gpa: implications for the origin of adakites:	Contrib. Mineral. Petrol.,	117,	394-409.
99-0221	Huysken, K.T., Vogel, T.A. and Layer, P.W.,	1994,	Incremental growth of a large volume, chemically zoned magma body: a study of the tephra sequence beneath the Rainier Mesa ash flow sheet of the Timber Mountain Tuff	Bull.volcanol.,	56,	377-385.
99-0251	Ohki, J., Shuto, K. and Kagami, H.,	1994,	Middle Miocene bimodal volcanism by asthospheric upwelling: Sr and Nd isotopic evidence from the back-arc region of the Northeast Japan arc:	Geochem. J.,	28,	473-487.
99-0308	Zhao, D. and Hasegawa, A.,	1994,	Teleseismic evidence for lateral heterogeneities in the northeastern Japan arc:	Tectonophysics,	237,	189-199.
99-0362	Yasui, M.,	1994,	Magma mingling recorded in "B"-scoria fall deposit from Maekake stage, Asama volcano in Japanese with English abstract):	J. Mineral. Petrol. Econ. Geol.,	89,	439-453.
99-0454	McCulloch, M.T., Kyser, T.K., Woodhead, J.D. and Kinsley, L.	1994,	Pb-Sr-Nd-O isotopic constraints on the origin of rhyolites from the Taupo Volcanic Zone of New Zealand: evidence for assimilation followed by fractionation from basalt:	Contrib. Mineral. Petrol.,	115,	303-312.
99-0510	Cambray, H. and Cadet, J.P.,	1994,	Testing global synchronism in peri-Pacific arc volcanism:	J. Volcanol. Geotherm. Res.,	63,	145-164.
99-0536	Uto, K., Takahashi, E., Nakamura, E. and Kaneoka, I.,	1994,	Geochronology of alkali volcanism in Oki-Dogo Island Southwest Japan: geochemical evolution of basalts related to the opening of the Japan Sea:	Geochem. J.	28,	431-449.
99-0566	Kakubuchi, S., Nagao, T. and Kagami, H.,	1994,	Genetic relationship between tholeiite and alkali basalts of the Kitamatsuura basalts, northwestern Kyushu, Japan (In Japanese, with English abstract):	J. Mineral. Petrol. Econ. Geol.,	89,	41-55.
99-0633	Stein, G., Charvet, J., Lapiere, H. and Fabbri, O.,	1994,	Geodynamic setting of volcano-plutonic rocks in so-called "paleo-accretionary prisms": fore-arc activity or post-collisional magmatism? The Shimanto belt as a case study:	Lithos,	33,	85-107.
99-0655	Robin, C., Eissen, J.-P. and Monzier, M.,	1994,	Igimbrites of basaltic andesite and andesite compositions from Tanna, New Hebrides Arc:	Bull. Volcanol.,	56,	10-22.
99-0675	McDonough, W.F., Ringwood, A.E., Sun, S.-S., Jagoutz, E. and Hofmann, A.W.,	1994,	Comment on " rubidium and cesium in the Earth and the Moon" by J.H. Jones and M.J. Drake	Geochem. Cosmochim. Acta.,	58,	1385-1386.
99-0719	Kamata, H., Danhara, T., Hayashida, A., Hoshizumi, H. and Yamashita, T.,	1994,	Correlation of the Imaichi pyroclastic-flow deposit of the similar pyroclastic-flow deposits in central Kyushu, Japan, and estimation of their source vent (In Japanese, with English abstract):	Jour. Geol. Soc. Japan,	100,	279-291.
99-0726	Nakada, S., Bacon, C.R. and	1994,	Origin of phenocrysts and compositional diversuty in pre-Mazama rhyodacite lavas, Crater Lake, Oregon:	J. Petrol.,	35,	127-162.
99-0801	Nakada, S.,	1994,	デイサイトマグマの噴出現象に関する研究	科研費報告書		112 p



99-0823	Watanabe, K.,	1994,	Nazard maps of Naka-dake, Aso Volcano, Japan:	Rep. Mem. Fac. Educ. Kumamoto Univ.,	43,	25-37.
99-0824	Watanabe, K.,	1994,	中部九州における火山災害予測図作成のための火山噴火に関する基礎研究:	科研費報告書	平成7年	88pp.
99-0830	Hase, Y., Nagamina, S., Nagao, T., Yamamoto, M., Fujibayashi, N., Sakaguchi, K. and Handa, M.,	1994,	Stratigraphy and radiometric ages of Nagashima volcanic rocks in Southern Kyushu, Japan (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	24,	109-120.
99-0831	Kagiya, T.,	1994,	Kirishima Volcanoes - Multi active volcanic group generated in a slightly tensile stress field (In Japanese, with English abstract):	J. Geogr.,	103,	479-487.
99-0957	Hanchar, J.M., Miller, C.F., Wooden, J.L., Bennett, V.C. and Staude, J.-M. G.,	1994,	Evidence from xenoliths for a dynamic lower crust, Eastern Mojave Desert, California:	J. Petrol.,	35,	1377-1415.
99-0969	Reinhardt, J. and Kleemann, U.,	1994,	Extensional unroofing of granulitic lower crust and related low-pressure, high-temperature metamorphism in the Saxonian Granulite Massif, Germany:	Tectonophysics,	238,	71-94.
99-1083	Yoshioka, S., Yabuki, T., Sagiya, T., Tada, T. and Matsu'ura, M.,	1994,	Interplate coupling in Kanto district, central Japan, deduced from geodetic data inversion and its tectonic implications:	Tectonophysics,	229,	181-200.
99-1100	McCulloch, M.T. and Bennett, V.,	1994,	Progressive growth of the Earth's continental crust and depleted mantle: geochemical constraints:	Geochim.Cosmochim. Acta,	58,	4717-4738.
99-1101	Stein, M. and Hofmann, A.W.,	1994,	Mantle plumes and episodic crustal growth:	Nature,	372,	63-68.
99-1129	Leshner, C.E.,	1994,	Kinetics of Sr and Nd exchange in silicate liquids: Theory, experiments, and applications to uphill diffusion, isotopic equilibration, and irreversible mixing of magmas:	J. Geophys. Res.,	99,	9585-9604.
99-1159	Wallace, P.J. and Carmichael, I.S.E.,	1994,	Petrology of Volcán Tequila, Jalisco, Mexico: disequilibrium phenocryst assemblages and evolution of the subvolcanic magma system:	Contrib. Mineral. Petrol.,	117,	345-361.
99-1175	Seno, T.,	1994,	Tectonics of the Taiwan region (In Japanese, with English abstract):	J. Seismol. Soc. Japan,	46,	461-477.
99-1179	Wolf, M.B. and Wyllie, P.J.,	1994,	Dehydration-melting of amphibolite at 10 kbar: the effects of temperature and time:	Contrib. Mineral. Petrol.,	115,	369-383.
99-1205	Okuno, M., Arai, F., Moriwaki, H., Nakamura, T. and Kobayashi, T.,	1994,	Radiocarbon age of humic soil from Kikai-Komoriko tephra group on Takeshima island, Southwest Japan (In Japanese, with English abstract):	鹿児島大地理紀要(地学・生物),	27,	189-197.
99-1395	Leeman, W.P., Carr, M.J. and Morris, J.D.,	1994,	Boron geochemistry of the Central American volcanic arc: constrains on the genesis of subduction-related magmas.	Geochem.Cosmochim. Act.,	58,	149-168.
99-1398	Sylvester, P.J.,	1994,	Archean granite plutons.	In K.C. Condie(editor), Archean crustal evolution,	Elsevir,	261-314.
99-1399	Martin, H.,	1994,	The Archean grey gneisses and the genesis of continental crust.	In K.C. Condie(editor), Archean crustal evolution,	Elsevir,	205-259.
12-195	SCOTT M. McLENNAN	1994,	Rare earth element geochemistry and the "tetrad" effect.	Geochimica et Cosmochimica Acta,	58,	2025-2033.
12-266	角縁進, 永尾隆志, 加々美寛雄,	1994,	九州北部,北松浦玄武岩類のソレライトとアルカリ玄武岩の成因関係	岩鉱,	89,	41-55.
12-389	Erik H. Hauri 1 and Stanley R. Hart	1994,	Constraints on melt migration from mantle plumes: A trace element study of peridotite xenoliths from Savai'I, Western Samoa.	Journal of Geophysical Research,	90,	24301-24321.
12-397	Erik H. Hauria 1, Thomas P. Wagnerb, Timothy L. Grove	1994,	Experimental and natural partitioning of Th, U, Pb and other trace elements between garnet, clinopyroxene and basaltic melts.	Chemical Geology,	117,	149-166.
12-398	Erik H. Hauri, 1 John A. Whitehead, and S-anley R. Hart	1994,	Fluid dynamic and geochemical aspects of entrainment in mantle plumes.	Journal of Geophysical research,	99,	24275-24300.
12-b002	M.R. Carroll and J.R. Holloway Editors,	1994,	Volatiles in magmas: contents	Reviews in Mineralogy,	30	i-xvii
12-b004	Katharine V. Cashman, Margaret T. Mangan	1994,	Chapter 11b PHYSICAL ASPECTS OF MAGMATIC DEGASSING II. Constraints on vesiculation processes from textural studies of eruptive products.	Reviews in Mineralogy,	30	447-477.
12-b005	Michael R. Carroll, James D. Webster,	1994,	Chapter 7, SOLUBILITIES OF SULFUR, NOBLE GASES, NITROGEN, CHLORINE, AND FLUORINE IN MAGMAS.	Reviews in Mineralogy,	30	231-279.
13-017	河田清雄・鎌田泰彦・松井和典,	1994,	「福江」図幅地域の地質.	地域地質研究報告書5万分の1図幅 鹿児島(15)-8	地質調査所,	47 p.
15-001	Jeffrey W. Hedenquist & Jacob B. Lowenstern	1994,	The role of magmas in the formation of hydrothermal ore deposits	Nature	370	519-527
15-218	T.G. Leighton,	1994,	Acoustic bubble detection - I: The detection of stable gas bodies.	Environmental engineering,		42263
15-230	Jeffrey W. Hedenquist & Jacob B. Lowenstern	1994,	The role of magmas in the formation of hydrothermal ore deposits.	nature,	370,	519-527.
16-013	R.A.F. Grieve and V.L. Masaitis,	1994,	The Economic Potential of Terrestrial Impact Craters	International Geology	36,	105-151.
16-044	Eric L. Geist and David W. Scholl	1994,	Large-scale deformation related to the collision of the Aleutian arc with Kamchatka.	Tectonics,	13,	538-560.
16-175	John v. Smith, Edward C. Houston	1994,	Folds produced by gravity spreading of a banded rhyolite lava flow.	Journal of volcanology and geothermal research	63,	89-94.
12-b048	Donald L. Turcotte,	1993?	Fractals and chaos in geology and geophysics	Cambridge University		
12-449	MARTINS. S MITH and JOHN B. SHEPHERD	1993,	Preliminary investigations of the Tsunami hazard of Kick'em Jenny Submarine volcano.	Natural Hazards,	7,	257-277.
12-630	青木美澄, 松本剛, 木村政昭, 藤岡換太郎	1993,	南奄西海丘西部の熱水活動と地形の特徴	しんかいシンポジウム報告書		309-320.
15-153	橋本惇・1 藤倉克則・1 太田秀・2 三浦知之	1993,	南奄西海丘における熱水噴出孔生物群集の観察-I	しんかいシンポジウム報告書		327-336.
99-0049	Kay, R.W. and Kay, S. M.,	1993,	Delamination and delamination magmatism:	Tectonophysics,	219,	177-189.
99-0055	Stix, J. and Gorton, M. P.,	1993,	Replenishment and crystallization in epicontinental silicic magma chambers: evidence from the Bandelier magmatic system:	J. Volcanol. Geotherm. Res.,	55,	201-215.
00-0097	Hauri, E.H., Shimizu, N., Dieu, J.J. and Hart, S.R.,	1993,	Evidence for hotspot-related carbonatite metasomatism in the oceanic upper mantle.	Nat.,	365,	221-227.
01-011	Wiebe, R.A.	1993,	The pleasant Bay layered gabbro-diorite, Coastal Maine: ponding and crystallization of basaltic injections into a silicic magma chamber.	J. Petrol.,	34,	461-489.

01-014	van der Laan, S.R. and Wyllie, P.J.,	1993,	Experimental interaction of granitic and basaltic magma and implications for mafic enclaves.	J. Petrol.,	34,	491-517.
02-0026	Sykes, D., Kubick, J.D.,	1993,	A model for H <sub>2</sub> O solubility mechanisms in albite melts from infrared spectroscopy and molecular orbital calculations.	Geochim. Cosmochim. Acta.,	57,	1039-1052.
02-0028	Baker, D.R.,	1993,	The effect of F and Cl on the interdiffusion of peralkaline intermediate and silicic melts.	Amer. Mine.,	78,	316-324.
02-0029	Dingwell, D.B., Knoche, R., Webb, S.L.,	1993,	The effect of F on the density of haplogranite melt.	Amer. Mine.,	78,	325-330.
02-0035	Ito, K.,	1993,	Cutoff depth of seismicity and large earthquakes near active volcanoes in Japan.	Tectonophysics,	217,	11-21.
02-0114	Palmer, B.A., Purves, A.M., and Donoghue, S. L.,	1993,	Controls on accumulation of a volcanoclastic fan, Ruapehu composite volcano, New Zealand.	Bull. Volcanol.,	55,	176-189.
03-0068	Wilmoth, R.A., and Walker, G.P.L.,	1993,	P-type and S-type pahoehoe: a study of vesicle distribution patterns in Hawaiian lava flows.	J. Volcanol. Geotherm. Res.,	55,	129-142.
03-0068	Wilmoth, R.A., and Walker, G.P.L.,	1993,	P-type and S-type pahoehoe: a study of vesicle distribution patterns in Hawaiian lava flows.	J. Volcanol. Geotherm. Res.,	55,	129-142.
04-006	Normark, W.R., Moore, J.G., and Torresan, M.E.,	1993,	Giant volcano-related landslides and the development of the Hawaiian Islands.	U.S.Geol. Surv. Bull.,	2002,	184-196.
04-008	Lee, H.J., Schwab, W.C., and Booth, J.S.,	1993,	Submarine landslides: an introduction.	U.S. Geol. Surv. Bull.	2002,	1-13.
04-011	Booth, J.S., O'Leary, D.W., Popenoe, P., and Danforth, W.W.,	1993,	U.S. Atlantic continental slope landslides: their distribution, general attributes, and implications.	U.S.Geol. Surv. Bull.,	2002,	14-22.
04-035	Hill, G.,	1993,	Foreword	In Submarine landslides: selected studies in the U. WS. Exclusive Economic Zone, edited by Schwab, W.C., Lee, H.J., and Twichell, D.C.,	2002,	III
04-036	Normark, W.R., Wilde, P., Campbell, J.F., Chase, T.E., and Tsutsui, B.,	1993,	Submarine slope failures initiated by Hurricane Iwa, Kahe point, Oahu, Hawaii.	In Submarine landslides: selected studies in the U. WS. Exclusive Economic Zone, edited by Schwab, W.C., Lee, H.J., and Twichell, D.C.,	2002,	197-204.
04-037	Field, M.E.,	1993,	Liquefaction of continental shelf sediment: the Northern California earthquake of 1980.	In Submarine landslides: selected studies in the U. WS. Exclusive Economic Zone, edited by Schwab, W.C., Lee, H.J., and Twichell, D.C.,	2002	143-150.
04-047	Coleman, J.M., Prior, D.B., Garrison, L.E., and Lee, H.J.,	1993,	Slope failures in an area of high sedimentation rate: offshore Mississippi river delta.	In Submarine landslides: selected studies in the U. WS. Exclusive Economic Zone, edited by Schwab, W.C., Lee, H.J., and Twichell, D.C.,	2002,	79-91.
04-052	Schwab, W.C., and Lee, H.J.,	1993,	Processes controlling the style of mass movement in Glaciomarine sediment: northeastern gulf of Alaska	In Submarine landslides: selected studies in the U. WS. Exclusive Economic Zone, edited by Schwab, W.C., Lee, H.J., and Twichell, D.C.,	2002,	135-142.
05-005	Brooker, M.R., Houghton, B.F., Wilson, C.J.N., and Gamble, J.A.,	1993,	Pyroclastic phases of a rhyolitic dome-building eruption: Puketarata tuff ring, Taupo Volcanic Zone, New Zealand.	Bull. Volcanol.,	55,	395-406.
05-041	Bluth, G.J.S., Schnetzler, C.C., rueger, A.J., and Walter, L.S.,	1993,	The contribution of explosive volcanism to global atmospheric sulphur dioxide concentrations.	Nat.,	366,	327-329.
06-071	Rutherford, M.J., Hill, P.M.,	1993,	Magma ascent rates from amphibole breakdown: an experimental study applied to the 1980-1986 Mount St. Helens eruptions.	J. Geophys. Res.	98,	19667-19685.
06-155	Hallett, R.B., Kyle, P.R.,	1993,	XRF and INAA dererminations of major and trace elements in geological survey of Japan igneous and sedimentary rock standards.	Geostandards Newsletter,	17,	127-133.
06-166	Feiss, P.G., Vance, R.K., Wesolowski, D.J.,	1993,	Volcanic rock-hosted gold and base-metal mineralization associated with Neoproterozoic-Early Paleozoic back-arc extension in the Carplina terrane, southern Appalachian Piedmont.	Geol.,	21,	439-442.
06-3040	Brooker, M.R., Houghton, B.F., Wilson, C.J.N., Gamble, J.A.,	1993,	Pyroclastic phases of a rhyolitic dome-building eruption: Puketarata tuff ring, Taupo Volcanic Zone, New Zealand.	Bull. volcanol.,	55,	395-406.
06-3056	Hoblitt, R.P., Harmon, R.S.,	1993,	Bomodal density distribution of cryptodome dacite from the 1980 eruption of mount St. Helens, Washington.	Bull. volcanol.,	55,	421-437.
06-3059	Kano, K., Yamato, T., Takeuchi, K.,	1993,	A Miocene island-arc volcanic seamount: the Takashibiyama formaton, Shimane Peninsula, SW Japan.	J. Volcanol. Geotherm. Res.	59,	101-119.
06-3083	Sohn, Y.K., Chough, S.K.,	1993,	The Udo tuff cone, Cheju Island, South Korea: transformation of pyroclastic fall into debris fall and grain flow on a steep volcanic cone slope.	Sedimentology,	40,	769-786.
06-3139	Houghton, B.F., Smith, R.T.,	1993,	Recycling of magmatic clasts during explosive eruptions: estimating the true juvenile content of phreatomagmatic volcanic deposits.	Bull. volcanol.,	55,	414-420.
07-022	Maekawa, H., Shozui, M., Ishii, T., Fryer, P., Pearce, J.A.,	1993,	Blueschist metamorphism in an active subduction zone.	Nat.,	364,	520-523.
07-023	前川寛和	1993,	蛇紋岩ダイアビルの地球科学的意義.	月刊地球,	15,	653-658.
07-117	Fodor, R.V., Rudek, E.A., Bauer, G.R.,	1993,	Hawaiian magma-reservoir processes as inferred from the petrology og gabbro xenoliths in basalt, Kahoolawe Island.	Bull. Volcanol.,	55,	204-218.
07-126	Gaetani, G.A., Grove, T.L., Bryan, W.B.,	1993,	The influence of water on the petrogenesis of subduction-related igneous rocks.	Nat.,	365,	332-334.
07-170s	Nakada, S.,	1993,	Pliocene and Quaternary volcanism in central Kyushu, Japan: Hohi volcanic zone vs. Shimabara volcanic zone (in Japanese).	地質学論集,	41,	83-91.
07-187	Atherton, M.P., Petford, N.,	1993,	Generation of sodium-rich magmas from newly underplated basaltic crust.	Nat.,	362,	144-146.

07-196	Simonetti, A., Bell, K.,	1993,	Isotopic disequilibrium in clinopyroxenes from nephelinitic lavas, Napak volcano, eastern Uganda.	Geol.,	21,	243-246.
07-201	Barrie, C.T., Ludden, J.N., Green, T.H.,	1993,	Geochemistry of volcanic rocks associated with Cu-Zn and Ni-Cu deposits in the Abitibi subprovince.	Economic Geol.,	88,	1341-1358.
07-251	前川寛和,	1993,	蛇紋岩ダイアビルの地球科学的意義.	月刊地球,	15,	653-658.
08-001	Middleton, G.V.,	1993,	Sediment deposition from turbidity currents.	Annu. Rev. Earth Planet. Sci.,	21,	89-114.
08-033	Garcia, M.O.,	1993,	4. Pliocene-Pleistocene volcanic sands from site 842: products of giant landslides.	In proceedings of the Ocean Drilling Program, Scientific Results	136,	53-63.
08-118	Massonnet, D., Rossi, M., Carmona, C., Adragna, F., Peltzer, G., Feigl, K., Rabaute, T.,	1993,	The displacement field of the Landers earthquake mapped by radar interferometry.	Nature,	364,	138.
08-133	McCulloch, M.T.,	1993,	The role of subducted slabs in an evolving earth.	Earth Planet. Sci. Lett.,	115,	89-100.
08-134	McCulloch, M.T.,	1993,	The role of subducted slabs in an evolving earth.	Earth Planet. Sci. Lett.,	115,	89-100.
08-136	Sen, G., Frey, F.A., Shimizu, N., Leeman, W.P.,	1993,	Evolution of the lithosphere beneath Oahu, Hawaii: rare earth element abundances in mantle xenoliths.	Earth Planet. Sci. Lett.,	119,	53-69.
08-140	Bebout, G.E., Ryan, J.G., Leeman, W.P.,	1993,	B-Be systematics in subduction-related metamorphic rocks: characterization of the subducted component.	Geochim. Et Cosmochim. Acta.,	57,	2227-2237.
08-172	Tepper, J.H., Nelson, B.K., Bergantz, G.W., Irving, A.J.,	1993,	Petrology of the Chilliwack batholith, North Cascades, Washington: generation of calc-alkaline granitoids by melting of mafic lower crust with variable water fugacity.	Contrib. Min. Petrol.,	113,	333-351.
08-228	Peacock, S.M.,	1993,	Large-scale hydration of the lithosphere above subducting slab.	Chemical Geol.,	108,	49-59.
08-230	Domanik, K.J., Hervig, R.L., Peacock, S.M.,	1993,	Beryllium and boron in subduction zone minerals: an ion microprobe study.	Geochim et Cosmochim Acta,	57,	4997-5010.
08-330	Watson, S.,	1993,	Rare earth element inversions and percolation models for Hawaii.	J. Petrol.,	34,	763-783.
08-343	Rudnick, R.L., McDonough, W.F., Chappell, B.W.,	1993,	Carbonatite metasomatism in the northern Tanzanian mantle: petrographic and geochemical characteristics.	Earth Planet. Sci. Lett.,	114,	463-475.
08-362	Stern, R.J., Jackson, M.C., Fryer, P., Ito, E.,	1993,	O, Sr, Nd and Pb isotopic composition of the Kasuga cross-chain in the Mariana Arc: a new perspective on the K-h relationship.	Earth Planet. Sci. Lett.,	119,	459-475.
08-364	McGuire, A.V., Stern, R.J.,	1993,	Granulite xenoliths from western Saudi Arabia: the lower crust of the late Precambrian Arabian-Nubian shield.	Contrib. Min. Petrol.,	114,	395-408.
08-387	Rutherford, M.J., Hill, P.M.,	1993,	Magma ascent rates from amphibole breakdown: an experimental study applied to the 1980-1986 Mount St. Helens eruptions.	J. Geophys. Res.,	98,	19667-19685.
08-389	Bebout, G.E., Ryan, J.G., Leeman, W.P.,	1993,	B-Be system in subduction-related metamorphic rocks: characterization of the subducted component.	Geochim et Cosmochim Acta,	57,	2227-2237.
08-391	Ryan, J.G., Langmuir, C.H.,	1993,	The systematics of boron abundances in young volcanic rocks.	Geochim et Cosmochim Acta,	57,	1489-1499.
08-392	Ryan, J.G., Langmuir, C.H.,	1993,	The systematics of boron abundances in young volcanic rocks.	Geochim et Cosmochim Acta,	57,	1489-1499.
08-442	Rutherford, M.J.,	1993,	Experimental petrology applied to volcanic processes.	EOS,	74,	49.
09-008	King, A.J., Waggoner, D.G., Garcia, M.O.,	1993,	9. Geochemistry and petrology of basalts from LEG 136, central Pacific ocean.	Proceedings of the Ocean Drilling Program, Sci. Result (eds. Wilkens, R.H., Firth, J., Bender, J., et al.)	136,	107-118.
09-011	Natland, J.H.,	1993,	5. Volcanic ash and pumice at Shatsky rise: sources, mechanisms of transport, and bearing on atmospheric circulation.	Proceedings of the Ocean Drilling Program, Sci. Results (Natland, J.H., Storms, M.A., et al.)	132,	57-66.
99N-151	Calanchi, N., De Rosa, R., Mazzuoli, R., Rossi, Pierluigi, Santacroce, R. and Ventura, G.,	1993,	Silicic magma entering a basaltic magma chamber: eruptive dynamics and magma mixing – an example from Salina (Aeolian islands, Southern Tyrrhenian Sea):	Bull. Volcanol.,	55,	504-522.
99N-20	Defant, M. J. and Drummond, M. S.,	1993,	Mount St. Helens: Potential example of the partial melting of the subducted lithosphere in a volcanic arc:	Geol.,	21,	547-550.
99N-21	Sajona, F. G., Maury, R. C., Bellon, H., Cotton, J., Defant, M. J. and Pubellier, M.,	1993,	Initiation of subduction and the generation of slab melts in western and eastern Mindanao, Philippines:	Geol.,	21,	1007-1010.
99N-23	Vukadinovic, D.,	1993,	Are Sr enrichments in arc basalts due to plagioclase accumulation?:	Geol.,	21,	611-614.
99N-25	Roberts, M. P. and Clemens, J. D.,	1993,	Origin of high-potassium, calc-alkaline, I-type granitoids:	Geol.,	21,	825-828.
99N-26	Lange, R. A., Carmichael, I. S. E. and Renne, P. R.,	1993,	Potassic volcanism near Mono basin, California: Evidence for high water and oxygen fugacities inherited from subduction:	Geology,	21,	949-952.
99N-30	Nicolas, A., Freydir, Cl., Godard, M. and Vauchez, A.,	1993,	Magma chambers at oceanic ridges: How large?:	Geol.,	21,	53-56.
99N-34	Rushmer, T.,	1993,	Experimental high-pressure granulites: Some applications to natural mafic xenolith suites and Archean granulite terranes:	Geol.,	21,	411-414.
99N-36	Zhao, J. and McCulloch, M. T.,	1993,	Melting of a subduction modified continental lithospheric mantle: Evidence from Late Proterozoic mafic dike swarms in central Australia:	Geol.,	21,	463-466.
99N-70	Reid, Jr., J. B., Murray, D. P., Hermes, O. D. and Steig, E. J.,	1993,	Fractional crystallization in the granite of the Sierra Nevada: How important is it?:	Geol.,	21,	587-590.
99S-145	Philpotts, A. R. and Asher, P. M.,	1993,	Wallrock melting and reaction effects along the Higganum Diabase Dike in Connecticut: contamination of a continental flood basalt feeder:	J. Petrol.,	34,	1029-1058.
99S-36	Caira, B. and Kay, S. M.,	1993,	Implications of Quaternary volcanism at Cerro Tuzgle for crustal and mantle evolution of the Puna Plateau, central Andes, Argentina:	Contrib. Mineral. Petrol.,	113,	40-58.
99S-42	Maruyama, S., 深尾良夫・大林雅行	1993,	プリュームテクトニクス	科学	63,	373-389.
99S-80	Thomas, N., Tait S. and Koyaguchi, T.,	1993,	Mixing of stratified liquids by the motion of gas bubbles: application to magma mixing:	Earth Planet. Sci. Lett.,	115,	161-175.
99T-27	Plank, T. and Langmuir, C. H.,	1993,	Tracing trace elements from sediment input to volcanic output at subduction zones:	Nat.,	362,	739-743.

99Y-110	Kennedy, A. K., Lofgren, G. E. and Wasserburg, G. J.,	1993,	An experimental study of trace element partitioning between olivine, orthopyroxene and melt in chondrules: equilibrium values and kinetic effects:	Earth Planet. Sci. Lett.,	115,	177-195.
99Y-135	Stein, M., Garfunkel, Z. and Jagoutz, E.,	1993,	Chronothermometry of peridotitic and pyroxenitic xenoliths: implications for the thermal evolution of the Arabian lithosphere:	Geochm. Cosmochim. Acta.,	57,	1325-1337.
99Y-156	Condomines, M. and Sigmarrson, O.,	1993,	Why are so many arc magmas close to $^{238}\text{U}$ - $^{230}\text{Th}$ radioactive equilibrium ?:	Geochm. Cosmochim. Acta.,	57,	4491-4497.
99Y-156	Braun, J., Pagel, M., Herbillon, A. and Rosin, C.,	1993,	Mobilization and redistribution of REEs and thorium in a syenitic lateritic profile: A mass balance study:	Geochm. Cosmochim. Acta.,	57,	4419-4434.
99Y-37	Condie, K. C.,	1993,	Chemical composition and evolution of the upper continental crust: contrasting results from surface samples and shales:	Chemical Geol.,	104,	1-37.
99Y-49	Franzalanci, L., Taylor, S. R., McCulloch, M. T. and Woodhead, J. D.,	1993,	Geochemical and isotopic variations in the calc-alkaline rocks of Aeolian arc, southern Tyrrhenian Sea, Italy: constraints on magma genesis:	Contrib. Mineral. Petrol.,	113,	300-313.
99Y-69	Terakado, Y., Fujitani, T. and Takada, J.,	1993,	Experimental study on the sorption of rare-earth elements and other trace elements during rhyolite-hydrothermal water interactions:	Chemical Geol.,	106,	317-330.
99Y-79	Snyder, G. A., Taylor, L. A. and Crozaz, G.,	1993,	Rare earth element selenochemistry of immiscible liquids and zircon at Apollo 14: an ion probe study of evolved rocks the Moon:	Geochm. Cosmochim. Acta.,	57,	1143-1149.
99Y-81	Hyeon, J. and Byrne, R. H.,	1993,	Complexation of trivalent rare earth element (Ce, Eu, Gd, Tb, Yb) by carbonate ions:	Geochm. Cosmochim. Acta.,	57,	295-302.
99Y-85	Kroll, H., Evangelakakis, C. and Voll, G.,	1993,	Two-feldspar geothermometry: a review and revision for slowly cooled rocks:	Contrib. Mineral. Petrol.,	114,	510-518.
99-0021	Tanaka, Y.,	1993,	Eruption mechanism as inferred from geomagnetic changes with special attention to the 1989-1990 activity of Aso volcano:	J. Volcanol. Geotherm. Res.,	56,	319-338.
99-0024	Okubo, Y. and Shibuya, A.,	1993,	Thermal and crustal structure of the Aso volcano and surrounding regions constrained by gravity and magnetic data Japan:	J. Volcanol. Geotherm. Res.,	55,	337-350.
99-0029	Barbieri, M., Cristofolini, R., Delitala, M. C., Fornaseri, M., Romano, R., Taddeucci, A. and Tolomeo, L.,	1993,	Geochemical and Sr-isotope data on historic lavas of Mount Etna:	J. Volcanol. Geotherm. Res.,	56,	57-69.
99-0030	Valentine G. A.,	1993,	Note on the distribution of basaltic volcanism associated with large silicic centers:	J. Volcanol. Geotherm. Res.,	56,	167-170.
99-0038	Murphy, M. T. and Marsh, B. D.,	1993,	Textures and magmatic evolution of intermediate-composition dome complexes: Evidence from the northern Tatoosh complex, southern Washington Cascades:	J. Volcanol. Geotherm. Res.,	54,	197-220.
99-0039	Feeley, T. C., Davidson, J. P. and Armendia, A.,	1993,	The volcanic and magmatic evolution of Volcán Ollagüe, a high-K, late Quaternary stratovolcano in the Andean Central Volcanic Zone:	J. Volcanol. Geotherm. Res.,	54,	221-245.
99-0040	Hanson, R. E. and Wilson, T. J.,	1993,	Large-scale rhyolite peperites (Jurassic, southern Chile)	J. Volcanol. Geotherm. Res.,	54,	247-264.
99-0041	Gable, J. A., Smith, I.E.M., McCulloch, M.T., Graham, I.J. and Kokelaar, B.P.,	1993,	The geochemistry and petrogenesis of basalts from the Taupo Volcanic Zone and Kermadec Island Arc, S.W.Pacific:	J. Volcanol. Geotherm. Res.,	54,	265-290.
99-0042	Bagdassarov, N.Sh. And Fradkov, A.S.	1993,	Evolution of double diffusion convection in a felsic magma chamber:	J. Volcanol. Geotherm. Res.,	54,	291-308.
99-0046	Hochstein, M.P., Smith, I. E. M., Regenauer-Lieb, K. and Ehara, S.,	1993,	Geochemistry and heat transfer processes in Quaternary rhyolitic systems of the Taupo Volcanic Zone, New Zealand:	Tectonophysics,	223,	213-235.
99-0047	Lytwyn, J. N. and Casey, J. F.,	1993,	The geochemistry and petrogenesis of volcanics and sheeted dikes from the Hatay (Kizildag) ophiolite, southern Turkey: possible formation with the Troodos Ophiolite, Cyprus, along fore-arc spreading centers:	Tectonophysics,	223,	237-272.
99-0048	von Huene, R. and Scholl, D. W.,	1993,	The return of sialic material to the mantle indicated by terrigenous material subducted at convergent margins:	Tectonophysics,	219,	163-175.
99-0050	Bodri, B. and Iizuka, S.,	1993,	Thermal regime, rheology and seismicity in Central Japan:	Tectonophysics,	217,	1-9.
99-0051	Ito, K.,	1993,	Cutoff depth of seismicity and large earthquakes near active volcanoes in Japan:	Tectonophysics,	217,	11-21.
99-0056	Smith, D.R. and Leeman, W. P.,	1993,	The origin of Mount St. Helens andesites:	J. Volcanol. Geotherm. Res.,	55,	271-303.
99-0057	de Silva, S.L., Davidson, J. P., Croudace, I.W. and Escobar, A.,	1993,	Volcanological and petrological evolution of Volcan Tata Sabaya, SW Bolivia	J. Volcanol. Geotherm. Res.,	55,	305-335.
99-0086	Briggs, R.M., Gifford, M.G., Moyle, A.R., Taylor, S.R., Norman, M.D., Houghton, B.F. and Wilson C.J.N.,	1993,	Geochemical zoning and eruptive mixing in ignimbrites from Mangakino volcano, Taupo Volcanic Zone, New Zealand:	J. Volcanol. Geotherm. Res.,	56,	175-203.
99-0089	Skjerlie K.P. and Johnston, A.D.,	1993,	Fluid-absent melting behavior of an F-rich tonalitic gneiss at mid-crustal pressures: implications for the generation of anorogenic granites:	J. Petrology,	34,	785-815.
99-0098	Terashima, S., Itoh, S., Ujiie, M., Kamioka, H., Tanaka, T. and Hattori, H.	1993,	Three new GSJ rock reference sample: rhyolite JR-3, gabbro JGB-2 and hornblende JH-1:	Geostandard Newsletter,	17,	1-4.
99-0160	Stevens, G. and Clemens, J.D.,	1993,	Fluid-absent melting and the roles of fluids in the lithosphere: a slanted summary:	Chem. Geol.,	108,	1-17.
99-0198	Furukawa, Y.,	1993,	Magmatic process under arcs and formation of the volcanic front	J. Geophys. Res.,	98,	8309-8320.
99-0199	Furukawa, Y.,	1993,	Depth of the decoupling plate interface and thermal structure under arcs:	J. Geophys. Res.,	98,	20005-20016.
99-0233	Ujike, O. and Tsuchiya, N.,	1993,	Geochemistry of Miocene basaltic rocks temporally straddling the rifting of lithosphere at the Akita-Yamagata area, northeast Japan:	Chem. Geol.,	104,	61-74.
99-0236	Plank, T. and Langmuir, C.H.,	1993,	Tracing trace elements from sediment input to volcanic output at subduction zones:	Nature,	362,	739-743.
99-0247	Terakado, Y. and Nohda, S.,	1993,	Rb- Sr dating of acidic rocks from the middle part of the Inner Zone of Southwest Japan: tectonic implications for the migration of the Cretaceous to Paleogene igneous activity:	Chem. Geol.,	109,	69-87.
99-0250	Bailey, J.C.,	1993,	Geochemical history of sediments in the northwestern Pacific Ocean:	Geochem. J.,	27,	71-90.
99-0298	Nelson, S.T. and Davidson, J.,	1993,	Interactions between mantle-derived magmas and mafic crust, Henry Mountain, Utah:	J. Geophys. Res.,	98,	1837-1852.
99-0305	Zhao, D. and Hasegawa, A.,	1993,	P wave tomographic imaging of the crust and upper mantle beneath the Japan islands:	J. Geophys. Res.,	98,	4333-4353.

99-0508	Sengör, A.M., Natal'in, B.A. and Burtman, V.S.,	1993,	Evolution of the Altaid tectonic collage and Palaeozoic crustal growth in Eurasia:	Nature,	364,	299-307.
99-0522	Smith, R.D. and Leeman, W.P.,	1993,	The origin of Mount St. Helens andesites:	J. Volcanol. Geotherm.	55,	271-303.
99-0537	Uto, K., Hirai, H. and Arai, S.,	1993,	K-Ar ages for Quaternary alkali basalts from Kurose, Fukuoka Prefecture and Kifune, Yamaguchi Prefecture, Southwest Japan (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	44,	693-698.
99-0561	Takahashi, M., Aramaki, S. and Kobayashi, T.,	1993,	安山岩質成層火山における歴史時代大噴火とマグマ供給システム: 浅間火山 vs. 桜島火山:	科研費成果報告書	火山災害の規模と特性	349-362.
99-0562	Seno, T., Stein, S. and Gripp, A. E.,	1993,	A model for the motion of the Philippine Sea plate consistent with NUVEL-1 and geological data:	J. Geophys. Res.,	98,	17941-17948.
99-0674	Jones, J.H. and Drake M.J.,	1993,	Rubidium and cesium in the Earth and the moon:	Geochem. Cosmochim.	57,	3785-
99-0720	Kamata, H. and Kodama, K.,	1993,	The Hoho volcanic zone as a volcano-tectonic depression and its formation tectonics - three tectonic events caused by subduction of the Philippine Sea plate under the junction of the Southwest Japan Arc and the Ryukyu Arc (In Japanese, with English abstract):	Mém. Geol. Soc. Japan,	41,	129-148.
99-0767	Murata, Y.,	1993,	Estimation of optimum average surfical density from gravity data: an ojective baysian approach:	J. Geophys. Res.,	98,	12097-12109.
99-0798	Umakoshi, K., Shimizu, H., Matsuwo, N., Matsushita, T. and Ohta, K.,	1993,	Seismic observations and infrared thermal surveys of the 1990-1993 eruption of Unzen volcano:	J. Natural Disas. Sci.,	15,	63-77.
99-0807	Nakada, S. and Fujii, T.,	1993,	Preliminary report on the activity at Unzen Volcano (Japan November 1990-November 1991): dacite lava domes and pyroclastic flows):	J. Volcanol. Geotherm. Res.,	54,	319-333.
99-0809	Watanabe, K., Hoshizumi, H. and Itaya, T.,	1993,	K-Ar ages of Unzen volcano in Kyushu, Japan-with some aspects of geology of Mayu-Yama:	Rep. Mem. Fac. Educ. Kumamoto Univ.,	42,	35-41.
99-0812	Watanabe, K.,	1993,	Hazard maps of Naka-dake, Aso volcano, Japan (In Japanese):	科研費報告書	自然災害	297-310.
99-0821	Watanabe, K. and Yokoyama, K.,	1993,	日本の第四紀火砕流堆積物データベース:	科研費報告書		155-158.
99-0826	Ono, K., Watanabe, K. and Komazawa, M.,	1993,	重力データからみた阿蘇カルデラの構造	月刊地球	15,	686-690.
99-0827	Ono, K., Watanabe, K., Hoshizumi, H., Takada, H. and Ikebe, S.,	1993,	Ash eruption of Nakadake volcano, Aso Caldera, and its products (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	40,	133-151.
99-0914	Watt, G.R. and Harley, S.L.,	1993,	Accessory phase controls on the geochemistry of crustal melts and restites produced during water-undersaturated partial melting:	Contrib. Mineral. Petrol.	114,	550-560.
99-0922	Ionov, D.A., Dupuy, C., O'Reilly, S.Y., Kopylova, M.G. and Genshaft, Y.S.,	1993,	Carbonated peridotite xenoliths from Spitsbergen: implications for trace element signature of mantle carbonate metasomatism:	Earth Planet. Sci. Lett.,	119,	283-297.
99-0940	Suga, K.,	1993,	The latest activities of Higashiyama Volcano and development of Nishiyama Volcano, Hachiojima during past 10,000 years (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan,	38,	115-127.
99-0962	Halliday, A.N., Dickin, A.P., Hunter, R.N., Davies, G.R., Dempster, T.J., Hamilton, P.J. and Upton, B.G.J.,	1993,	Formation and composition of the lower continental crust: evidence from Scottish xenolith suites:	J. Geophys. Res.,	98,	581-607.
99-0985	Nagao, K. and Takahashi, E.,	1993,	Noble gases in the mantle wedge and lower crust: an inference from the isotopic analyses of xenoliths from Oki-Dogo and Ichinomegata, Japan:	Geochem. J.,	27,	229-240.
99-0992	Kagami, H., Iizumi, S., Iwata, M. and Nureki, T.,	1993,	Sr-Nd isotope systematics of xenoliths in Cenozoic volcanic rocks from Sw Japan:	Proc. Japan Acad. Ser. B.,	69,	1-8.
99-1015	Koloskov, A.V. and Zharinov, S.E.,	1993,	Multivriates statistical analysis of clinopyroxene compositions from mafic and ultramafic xenoliths in volcanic rocks:	J. Petrol.,	34,	173-185.
99-1126	Shuto, T.,	1993,	Role of the plate-motions of the development of Inner arc basins as exemplified by the Tertiary of North Kyushu (In Japanese, with English abstract):	J. Geogr.,	102,	849-867.
99-1161	Woodhead, J., Eggins, S. and Gamble, J.,	1993,	High field strength and transition element systematics in island arc and back-arc basin basalts: evidence for multi-phase melt extraction and a depleted mantle wedge:	Earth. Planet. Sci. Lett.,	114,	491-504.
99-1165	Woodhead, J.D., Greenwood, P., Harmon, R.S. and Stoffers, P.,	1993,	Oxygen isotope evidence for recycled crust in the source of EM-type ocean island basalts:	Nature,	362,	809-813.
99-1178	Wolf, M.B. and Wyllie, P.J.,	1993,	Garnet growth during amphibolite anatexis: implications of garnetiferous restite:	J. Geol.	101,	357-373.
99-1183	Yamaguchi, D.K. and Lawrence, D.B.,	1993,	Tree-ring evidence for 1842-1843 eruptive activity at the Goat rocks dome, Mount St. Helens, Washington:	Bull. Volcanol.,	55,	264-272.
99-1190	Shimizu, H., Umakoshi, K. and Matsuo, N.,	1993,	Seismic activity in middle and western Kyushu (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	41,	13-18.
99-1195	Seno, T.,	1993,	日本付近のプレート運動と地震	科学	63,	711-719.
99-1319	Zhao, J.-X. and McCulloch, M.T.,	1993,	Melting of a subduction-modified continental lithospheric mantle: evidence from late Proterozoic mafic dike swarms in central Australia:	Geology,	21,	463-466.
99-1321	Defant, M.J. and Drummond, M.S.,	1993,	Mount St. Helens: Potential example of the partial melting of the subducted lithosphere in a volcanic arc:	Geology,	21,	547-550.
12-165	Elisa M. Ferguson & Emily M. Klein	1993,	Fresh basalts from the Pacific-Antarctic ridge extend the Pacific geochemical province.	Nature,	366,	330-333.
12-171	HailS Keppler,	1993,	Influence of flourine on the enrichment of high field strength trace elements in granitic rocks.	Contrib Mineral Petrol	114,	479-488.
12-188	Clark M. Johnson' & Brian L. Beard	1993,	Evidence from hafnium isotopesfor ancient sub-oceanic mantle beneath the Rio Grande rift.	Nature,	362,	441-444.
12-204	Eric Wendlandt", Donald J. DePaolo a and W. Scott Baldrige,	1993,	Nd and Sr isotope chronostratigraphy of Colorado Plateau lithosphere: implications for magmatic and tectonic underplating of the continental crust.	Earth and Planetary Science Letters,	116,	23-43.
12-205	R.W. Kay and S. Mahlbürg Kay,	1993,	Delamination and delamination magmatism.	Tectonophysics,	219,	177-189.

(Marine volcanology, Kumamoto Univ.)

12-209	Peter B. Kelemen", Nobumichi Shimizu " Todd Dunn	1993,	Relative depletion of niobium in some arc magmas and the continental crust: partitioning of K, Nb, La and Ce during melt/rock reaction in the upper mantle.	Earth and Planetary Science Letters,	120,	111-134.
12-211	Stanley R. Hartl and Todd Dunn	1993,	Experimental cpx/melt partitioning of 24 trace elements	Contrib Mineral Petrol	113,	1-8.
12-295	Wallace S. Pitcher	1993,	11 Controls of upwelling and emplacement: the response of the envelope: balloons, pistons and reality.	THE NATURE AND ORIGIN OF GRANITE	Springer,	154-181.
12-404	T.W. Sisson* and T.L. Grove	1993,	Temperatures and H <sub>2</sub> O contents of low-MgO high-alumina basalts.	Contrib Mineral Petrol	113,	167-184.
12-405	T.W. Sisson* and T.L. Grove	1993,	Experimental investigations of the role of H <sub>2</sub> O in calc-alkaline differentiation and subduction zone magmatism.	Contrib Mineral Petrol	113,	143-166.
12-470	Jiro Naka,2 Ryosuke Tsubaru,3 Tohru Danhara,4 Takeo Tanaka,2 and Kantaro Fujioka2	1993,	7. Sedimentary processes of volcanoclastic sediments, LEG 136.	Proceeding of the Ocean drilling Program, Scientific results,	136,	85-95.
12-481	Jane S. Tribble,2 Roy Wilkens,3 Rolf S. Arvidson,2 and Christopher J. Busing	1993,	5. Sediments of the Hawaiian arch: X-ray mineralogy and microfabric.	Proceeding of the Ocean drilling Program, Scientific results,	136,	65-76.
12-b039	RICHARD W. MURRAY,1.* MARILYN R. BUCHHOLTZ TEN BRINK,2 HANS J. BRUMSACK DAVID C. GERLACH,1' and G. PRICE Russ II	1993,	Rare earth elements in Japan Sea sediments and diagenetic behavior of Ce/Ce*: Results from ODP Leg 127.	Geochimica et Cosmochimica Acta,	55,	2453-2466.
15-154	中島和夫専1 酒井均・I 吉田広樹, 千葉仁, 田中善孝, 蒲生俊敬, 石橋純一郎, 村角皆潤	1993,	沖縄トラフ伊平屋凹地と南奄西海丘の熱水性沈殿物の 鉱物組成と流体包有物 : 「しんかい2000」第621潜航報告 及び第487潜航と第622潜航の熱水性沈殿物について	しんかいシンポジウム報告書		253-269.
16-043	Eric L. Geist, Michael A. Fisher and David W. Scholl	1993,	Large-scale deformation associated with ridge subduction.	Geophys. J. Int.,	115,	344-366.
99-0690	Watanabe, K., Izawa, E., Kiyokawa, T., Sekine, R., Itaya, T. and Danbara, T.,	1992?	Time and space change of Neogene volcanism in kyushu (In Japanese)	日本地質学会講演要旨集?		289
99-0839	Imura, R.,	1992?	Eruption history of the Kirishima Volcano during the past 22,000 years:	??		71-89.
00-0075	Montgomery, C.W.,	1992,	Mass movements	environmental geology third edition	Wm. C. Brown Publishers	158-160
00-0193	Hayashi, J. N. and Self, S.,	1992,	A comparison of pyroclastic flow and debris avalanche mobility.	J. Geophys. Res.,	97,	9063-9077.
00-0215	Einsele, G.,	1992,	2.4 volcanic sediments	Sedimentary basins: evolution, facies, and sediment budget	Springer-Verlag, Berlin	66-76.
00-0216	Einsele, G.,	1992,	5.4 gravity mass flow deposits and turbidites	Sedimentary basins: evolution, facies, and sediment budget	Springer-Verlag, Berlin	3-
00-0217	Einsele, G.,	1992,	2.2 Fluvial sediments, alluvial fans, and fan deltas	Sedimentary basins: evolution, facies, and sediment budget	Springer-Verlag, Berlin	29-53.
00-0218	Einsele, G.,	1992,	Continental sediments	Sedimentary basins: evolution, facies, and sediment budget	Springer-Verlag, Berlin	19-28
00-0219	Einsele, G.,	1992,	Basin classification and depositional environments (overview)	Sedimentary basins: evolution, facies, and sediment budget	Springer-Verlag, Berlin	36601
00-0242	Moore, J.G. and Clague, D.A.,	1992,	Volcano growth and evolution of the island of Hawaii.	Geol. Soc. Amer. Bull.,	104,	1471-1484.
02-0005	Schmidt, M.W.,	1992,	Amphibole composition in tonalite as a function of pressure: an experimental calibration of the Al-inhornblende barometer.	Contrib. Mineral. Petrol.,	110,	304-310.
02-0006	Hammarstrom, J.M., Zen, E.	1992,	Discussion of Blundy and Holland's (1990) "Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer".	Contrib. Mineral. Petrol.,	111,	264-268.
02-0014	Webster, J.D.,	1992,	Fluid-melt interactions involving Cl-rich granites: Experimental study from 2 to 8 kbar.	Geochim. Cosmochim. Acta.,	56,	659-678.
02-0024	Dunbar, N.W., Hervig, R.L.,	1992,	Petrogenesis and volatile stratigraphy of the Bishop Tuff: evidence from melt inclusion analysis	J. Geophys. Res.,	97,	15129-15150.
02-0025	Dunbar, N.W., Hervig, R.L.,	1992,	Volatile and trace element composition of melt inclusions from the lower Bandelier Tuff: implications for magma chamber processes and eruptive style.	J. Geophys. Res.,	97,	15151-15170.
02-0031	Sterner, S.M.,	1992,	Synthetic fluid inclusions: Part XI. Notes on the application of synthetic fluid inclusions to high P-T experimental aqueous geochemistry.	Amer. Mine.,	77,	156-167.
02-0041	Hervig, R.L., Dunbar, N.W.,	1992,	Cause of chemical zoning in the Bishop (California) and Bandelier (New Mexico) magma chambers.	Earth Planet. Sci. Lett.,	111,	97-108.
02-0104	Marsaglia, K. M., and Ingersoll, R.V.,	1992,	Compositional trends in arc-related, deep-marine sand and sandstone: a reassessment of magmatic-arc provenance.	Geol. Soc. Amer. Bull.,	104,	1637-1649.
02-0130	Eggins, S.M.,	1992,	Petrogenesis of Hawaiian tholeiites: 2. aspects of dynamic melt segregation.	Contrib. Mineral. Petrol.,	110,	398-410.
03-0093	Wallace, P., and Carmichael, I.S.E.,	1992,	Sulfur in basaltic magmas.	Geochim. et Cosmochim.	56,	1863-1879.
03-0139	Griffiths, R.W., and Fink, J.H.,	1992,	Solidification and morphology of submarine lavas: a dependence on extrusion rate.	J. Geophys. Res.,	97,	19729-19737.
03-0142	Binard, N., Hekinian, R., and Stoffers, P.,	1992,	Morphostructural study and type of volcanism of submarine volcanoes over the Pitcairn hot spot in the South Pacific.	Tectonophysics,	206,	245-264.
04-009	Siebert, L.,	1992,	Threats from debris avalanches.	Nat.,	356,	658-659.
04-020	Tric, E., Valet, J.-P., Tucholka, P., Paterne, M., Labeyrie, L., Guichard, F., Tauxe, L., and Fontugne, M.,	1992,	Paleointensity of the geomagnetic field during the last 80,000 years.	J. Geophys. Res.,	97,	9337-9351.
04-074	West, H.B., Garcia, M.O., Gerlach, D.C., and Romano, J.,	1992,	Geochemistry of tholeiites from Lanai, Hawaii.	Contrib. Mineral. Petrol.,	112,	520-542.
05-006	Webster, J.D.,	1992,	Fluid-melt interactions involving Cl-rich granites: Experimental study from 2 to 8 kbar.	Geochim. et Cosmochim. Acta.,	56,	659-678.
05-010	Orsi, G., D'Antonio, M., de Vita, S., and Gallo, G.,	1992,	The Neapolitan Yellow Tuff, a large magnitude trachytic phreatoplinian eruption: eruptive dynamics, magma withdrawal and caldera collapse.	J. Volcanol. Geotherm. Res.,	53,	275-287.
05-015	Webster, J.D.,	1992,	Water solubility and chlorine partitioning in Cl-rich granitic systems: Effects of melt composition at 2 kbar and 800 C	Geochim. et Cosmochim. Acta.,	56,	679-687.

05-040	Vogelmann, A.M., Ackerman, T.P., and Turco, R.P.,	1992,	Enhancements in biologically effective ultraviolet radiation following volcanic eruptions.	Nat.,	359,	47-49.
05-042	Ramaswamy, V.,	1992,	Explosive start to last ice age.	Nat.,	359,	14
05-043	Rampino, M.R., and Self, S.,	1992,	Volcanic winter and ...	Nat.,	359,	50-52.
05-072	Turcotte, D.L.,	1992,	Fractals and chaos in geology and geophysics.	Cambridge university	New York,	221 pp.
06-073	Kuschel, E., Smith, I.E.M.,	1992,	Rare earth mobility in young arc-type volcanic rocks from northern New Zealand.	Geochimca. et Cosmochimca. Acta.	56,	3951-3955.
06-1020	日本の地質『九州地方』編集委員会	1992,	日本の地質 (9) 九州地方	共立出版	東京,	371 p
06-2003	井上大栄, 水落幸広, 桜田裕之	1992,	リニアメントの断裂系としての特性とその評価	応用地質	33	25-34
06-3084	Sohn, Y.K., Chough, S.K.,	1992,	The Ilchulbong tuff con, Cheju Island, South Korea: depositional processes and evolution of an emergent, Surtseyan-type tuff cone.	Sedimentology,	39,	523-544.
07-003	O'Hanley, D. S.,	1992,	Solution to the volume problem in serpentinization.	Geol.,	20,	705-708.
07-021	前川寛和, 勝瑞雅也, 石井輝秋,	1992,	マリアナ海溝前孤域, 蛇紋岩質海山からの低温高压型変成岩類の発見.	月刊地球 号外	6,	191-195.
07-040	大四雅弘, 松本徹夫,	1992,	鹿児島県トカラ列島悪石島の火山岩類.	松本徹夫教授記念論文集,		81-94.
07-102	Mohr, P.,	1992,	Nature of the crustal beneath magmatically active continental rifts.	Tectonophysics,	213,	269-284.
07-120	Ellis, D.J., Obata, M.,	1992,	Migmatite and melt segregation at Cooma, New South Wales.	Trans. Royal Soc. Edinburg: Earth Sci.	83,	95-106.
07-127	Pawley, A.R., Holloway, J.R., McMillan, P.F.,	1992,	The effect of oxygen fugacity on the solubility of carbon-oxygen fluids in basaltic melt.	Earth, Planet., Sci., Lett.,	110,	213-225.
07-135	Gallagher, K., Hawkesworth, C.,	1992,	Dehydration melting and the generation of continental flood basalt.	Nat.,	358,	57-59.
07-198	Fairhead, J.D.,	1992,	The west and central African rift systems: foreword.	Tectonophysics,	213,	139-140.
07-203	Eggins, S.M., Green, D.H., Falloon, T.J.,	1992,	Petrogenesis of Hawaiian tholeiites: 1, phase equilibria constraints.	Contrib., Mineral., Petrol.,	110,	387-397.
07-223	Ishida, M.,	1992,	Geometry and relative motion of the Philippine Sea plate and Pacific plate beneath the Kanto-Tokai district, Japan.	JGR	97,	489-513.
07-258	加藤祐三, 新城竜一, 川野良信	1992,	琉球列島の新生代火成作用.	松本徹夫教授記念論文集,		39-48.
07-259	大四雅弘,	1992,	琉球列島新生代の火山活動と岩石.	松本徹夫教授記念論文集,		49-60.
07-260	松本徹夫,	1992,	西南日本における後期新生代の火山系列と火山活動.	松本徹夫教授記念論文集,		1-37.
08-013	Shipboard Scientific Party,	1992,	4. site 842.	Proc. ODP, Init. Repts.,	136,	37-63.
08-061	Diepenbroek, M., Bartholoma, A., Ibbeken, H.,	1992,	How round is round? A new approach to the topic 'roundness' by Fourier grain shape analysis.	Sedimentology,	39,	411-422.
08-062	Ghibaudo, G.,	1992,	Subaqueous sediment gravity flow deposits: practical criteria for their field description and classification.	Sedimentology,	39,	423-454.
08-105	Luhr, J.F.,	1992,	Slab-derived fluids and partial melting in subduction zones: insights from two contrasting Mexican volcanoes (Colima and Ceboruco).	J. Volcanol. Geotherm. Res.,	54,	1-18.
08-123	Romick, J.D., Kay, S.M., Kay, R.W.,	1992,	The influence of amphibole fractionation on the evolution of calc-alkaline andesite and dacite tephra from the central Aleutians, Alaska.	Contrib. Min. Petrol.,	112,	101-118.
08-135	Moran, A.E., Sisson, V.B., Leeman, W.P.,	1992,	Boron depletion during progressive metamorphism: implications for subduction processes.	Earth Planet Sci., Lett.,	111,	331-349.
08-156	Zhao, D., Hasegawa, A., Horiuchi, S.,	1992,	Tomographic imaging of P and S wave velocity structure beneath northeastern Japan.	J. Geophys. Res.,	97,	19909-19928.
08-165	Thompson, A.B.,	1992,	Water in the earth's upper mantle.	Nature,	358,	295-302.
08-220	Shimizu, H., Sawatari, H., Kawata, Y., Dunkley, P.N., Masuda, A.,	1992,	Ce and Nd isotope geochemistry on island arc volcanic rocks with negative Ce anomaly: existence of sources with concave REE patterns in the mantle beneath the Solomon and Bonin island arcs.	Contrib. Mineral. Petrol.,	110,	242-252.
08-221	Shimizu, H., Sawatari, H., Kawata, Y., Dunkley, P.N., Masuda, A.,	1992,	Ce and Nd isotope geochemistry on island arc volcanic rocks with negative Ce anomaly: existence of sources with concave REE patterns in the mantle beneath the Solomon and Bonin island arcs.	Contrib. Mineral. Petrol.,	110,	242-252.
08-252	Dia, A.N., Cohen, A.S., O'Nions, Shackleton, N.J.,	1992,	Seawater Sr isotope variation over the past 300 kyr and influence of global climate cycles.	Nature,	356,	786.
08-307	Mazzucotelli, A., De Paz, F., Magi, E., Frache, R.,	1992,	Interferences of major elements in the determination of rare earth elements by inductively coupled plasma atomic emission spectroscopy.	Analytical Sci.,	8,	189-193.
08-308	van Veen, E.H., de Loos-Vollebregt, M.C.T.,	1992,	Determination of trace elements in uranium by inductively coupled plasma-atomic emission spectrometry using Kalman filtering.	Anal. Chem.,	64,	1643-1649.
08-339	Rudnick, R.L.,	1992,	Restites, Eu anomalies, and the lower continental crust.	Geochim et Cosmochim	56,	963-970.
08-365	Stern, R.J., Bloomer, S.H.,	1992,	Subduction zone infancy: examples from the Eocene Izu-Bonin-Mariana and Jurassic California arcs.	Geol. Soc. Amer. Bull.,	104,	1621-1636.
08-366	Sato, H., Fujii, T., Nakada, S.,	1992,	Crumbling of dacite dome lava and generation of pyroclastic flows at Unzen volcano.	Nature,	360,	664-666.
08-403	Ringwiid, A.E., Kesson, S.E., Hibberson, W., Ware, N.,	1992,	Origin of kimberlites and related magmas.	Earth Planet. Sci. Lett.,	113,	521-538.
08-417	Chung, S.-L., Sun, S.-S.,	1992,	A new genetic model for the East Taiwan ophiolite and its implications for Dupal domains in the northern Hemisphere.	Earth Planet. Sci. Lett.,	109,	133-145.
08-422	McDonough, W.F., Sun, S.-S., Ringwood, A.E., Hofmann, A.W.,	1992,	Potassium, rubidium, and cesium in the Earth and Moon and the evolution of the mantle of the Earth.	Geochim et Cosmochim Acta,	56,	1001-1012.
08-441	Tatsumi, Y., Tsunakawa, H.,	1992,	Cenozoic volcanism, stress gradient and back-arc opening in the north island, New Zealand: origin of Taupo-Rotorua depression.	Island arc,	1,	40-50.
08-444	Nishimura, A., Rodolfo, K.S., Koizumi, A., Gill, J., Fujioka, K.,	1992,	1. Episodic deposition of Pliocene-Pleistocene pumice from the Izu-Bonin arc, LEG 126.	Proceedings of the Ocean Drilling Program, Sci. Result (Taylor, B., Fujioka, K., et al.,)	126,	3-21.
09-017	Yuasa, M., Nohara, M.,	1992,	Petrographic and geochemical along-arc variations of volcanic rocks on the volcanic front of the Izu-Ogasawara (Bonin) arc.	Bull. Geol. Surv. Jap.,	43,	421-456.
09-019	木村政昭, 松本剛, 中村俊夫, 大塚裕之, 西田史郎, 青木美澄, 小野朋典, 段野洲典,	1992,	沖縄トラフ東縁ケラマ鞍部の潜水調査 - ウルム氷期の陸橋か? -.	海洋科学技術センター試験研究報告,		107-133.

09-020	木村政昭, 松本剛, 中村俊夫, 大塚裕之, 西田史郎, 青木美澄, 小野朋典, 段野洲興,	1992,	沖縄トラフ東縁ケラマ鞍部の潜水調査 ―ウラム氷期の陸橋か?―.	海洋科学技術センター試験研究報告,	107-133.
09-026	大嶋和雄,	1992,	沿岸海底地形に海水準変動記録を読む.	地質ニュース,	459, 40-48.
09-078	Poli, S., Schmidt, M.W.,	1992,	A comment "calcic amphibole equilibria and a new amphibole-plagioclase geothermometer" by J.D. Blundy and T.J.B. Holland (Contrib Mineral Petrol (1990) 104: 208-224).	Contrib. Mineral. Petrole.,	111, 273-282.
09-080	Hammarstrom, J.M., Zen, E.-A.,	1992,	Discussion of Blundy and Holland's (1990) "Calcic amphibole equilibria and new amphibole-plagioclase geothermometer"	Contrib. Mineral. Petrole.,	111, 264-268.
09-082	Schmidt, M.W.,	1992,	Amphibole composition in tonalite as a function of pressure: an experimental calibration of the Al-in hornblende barometer.	Contrib. Mineral. Petrole.,	110, 304-310.
09-090	藤岡換太郎, 武藤光盛, 三田直樹, 飯笹幸吉, 湯浅真人,	1992,	新黒瀬堆から熱水性のマンガンの発見とその地球科学的意義	しんかいシンポジウム報告書,	209-219.
09-098	Blundy, J.D., Holland, T.J.B.,	1992,	"Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer" -- reply to the comment of Poli and Schmidt.	Contrib. Mineral. Petrole.,	111, 278-282.
09-098	Blundy, J.D., Holland, T.J.B.,	1992,	"Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer" -- reply to the comment of Poli and Schmidt.	Contrib. Mineral. Petrole.,	111, 278-282.
09-099	Blundy, J.D., Holland, T.J.B.,	1992,	"Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer": reply to the comments of Hammarstrom and Zen, and Rutherford and Johnson.	Contrib. Mineral. Petrole.,	111, 269-272.
09-099	Blundy, J.D., Holland, T.J.B.,	1992,	"Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer": reply to the comments of Hammarstrom and Zen, and Rutherford and Johnson.	Contrib. Mineral. Petrole.,	111, 269-272.
10-078	Ishii, T., Robinson, P. T., Maekawa, H., Fiske, R.,	1992,	27. Petrological studies of peridotites from diapiric serpentinite seamounts in the Izu-Ogasawara-Mariana forearc, Leg 125.	Proc. Ocean Drilling Program, Scientific results	125, 445-485.
10-080	石井輝秋, ボール・ロビンソン, 前川寛和, リチャード・フィスケ,	1992,	島弧前縁部の上部マントルに至る地質断面—ミニ・モホール計画の実現.	月刊地球/号外,	6, 184-190.
10-091	Heling, D., Schwarz, A.,	1992,	17. Iowaitite in serpentinite muds at sites 778, 779, 780, and 784: a possible cause for the low chlorinity of pore waters.	Proceedings of the Ocean Drilling Program, Scientific results,	125, 313-323.
10-161	Wang, Y.-J., Yang, Q.,	1992,	6. Neogene and Quaternary radiolarians from Leg 125.	Proceedings of the Ocean Drilling Program, Scientific results,	125, 95-169.
10-162	Xu, Y., Wise, Jr., S.W.,	1992,	3. Middle Eocene to Miocene calcareous nannofossils of Leg 125 from the western Pacific Ocean.	Proceedings of the Ocean Drilling Program, Scientific results,	125, 43-70.
10-163	Ciampo, G.,	1992,	2. Late Miocene (CN9B subzone) to Holocene calcareous nannofossils from the western and northwestern Pacific Ocean, Leg 125.	Proceedings of the Ocean Drilling Program, Scientific results,	125, 15-41.
10-172	Girardeau, J., Lagabrielle, Y.,	1992,	30. Deformation history of peridotites from the Mariana forearc, Conical seamount, Leg 125.	Proceedings of the Ocean Drilling Program, Initial Reports, Fryer, P., Pearce, J.A., Stokking, L.B., (eds)	125, 519-532.
10-217	Anderson, S.W., Fink, J.H.,	1992,	Crease structures: Indicators of emplacement rates and surface stress regimes of lava flows.	Geological Society of America Bulletin,	104, 615-625.
10-224	Stephen Paul Phipps and Dean Ballotti	1992,	RHEOLOGY OF SERPENTINITE MUDS IN THE MARIANA-IZU-BONIN FOREARC	Fryer, P., Pearce, J. A., Stokking, L. B., et al., 1992	Proceedings of the Ocean Drilling Program, Scientific Results, Vol. 125
10-265	STEVEN W. ANDERSON JONATHAN H. FINK	1992,	Crease structures: Indicators of emplacement rates and surface stress regimes of lava flows	Geological Society of America Bull.,	104, 615-625.
10-309	D. Miiller, N. M.: S. Rock, and D. I. Groves	1992,	Geochemical Discrimination Between Shoshonitic and Potassic Volcanic Rocks in Different Tectonic Settings: a Pilot Study.	Mineralogy and Petrology,	46, 259-289.
10-381	David S. O'Hanley	1992,	Solution to the volume problem in serpentinization	Geology,	20, 705-708.
10-482	藤岡換太郎, 武藤光盛, 三田直樹, 飯笹幸吉, 湯浅真人,	1992,	新黒瀬堆から熱水性のマンガンの発見とその地球科学的意義.	しんかいシンポジウム報告書,	209-219.
99N-100	Vielzeuf, d. and Clemens, J. D.,	1992,	The fluid-absent melting of phlogopite + quartz: Experiments and models:	Am. Miner.,	77, 1206-
99N-100	Rudnick, R. L.,	1992,	Restites, Eu anomalies, and the lower continental crust:	Geochim. Cosmochim.	56, 963-970.
99N-100	Osozawa, S.,	1992,	Double ridge subduction recorded in the Shimanto accretionary complex, Japan, and plate reconstruction:	Geol.,	20, 939-942.
99N-170	Zeck, H. P.,	1992,	Restite-melt and mafic-felsic magma mixing and mingling in an S-type dacite, Cerro del Hoyazo, southeastern Spain:	Earth Sciences,	83, 139-144.
99N-18	Worner, G., Moorbath, S. and Harmon, R. S.,	1992,	Andean Cenozoic volcanic centers reflect basement isotopic domains:	Geol.,	20, 1103-1106.
99N-181	Maury, R. C., Defant, M. J. and Joron, J. L.,	1992,	Metasomatism of the sub-arc mantle inferred from trace elements in Philippine xenoliths:	Nat.,	360, 661-663.
99N-183	Bikerman, M., Bell, K. and Card, J. W.,	1992,	Strontium and neodymium isotopic study of the western Mogollon-Datil volcanic region, New Mexico, USA:	Contrib. Mineral. Petrol.,	109, 459-470.
99N-19	Davidson, J. P. and de Silva, S. L.,	1992,	Volcanic rocks from the Bolivian Altiplano: insights into crustal structure, contamination, and magma genesis in the central Andes:	Geol.,	20, 1127-1130.
99N-24	Bailey, D. G. and Conrey, R. M.,	1992,	Common parent magma for Miocene to Holocene mafic volcanism in the northwestern United States:	Geol.,	20, 1131-1134.
99N-28	Skjerlie, K. P. and Johnston, A. D.,	1992,	Vapor-absent melting at 10 kbar of a biotite- and amphibole-bearing tonalitic gneiss: Implications for the generation of A-type granites:	Geol.,	20, 263-266.
99N-29	Eby, G. N.,	1992,	Chemical subdivision of the A-type granitoids: Petrogenetic and tectonic implications:	Geol.,	20, 641-644.



99N-31	Hickmott, D. D., Sorensen, S. S. and Rogers, P. S. Z.,	1992,	Metasomatism in a subduction complex: Constraints from microanalysis of trace elements in minerals from garnet amphibolite from the Catalina Schist:	Geology,	20,	347-350.
99N-33	Ellam, R. M.,	1992,	Lithospheric thickness as a control on basalt geochemistry:	Geol.,	20,	153-156.
99N-38	Kent, R. W., Storey, M. and Saunders, A. D.,	1992,	Large igneous provinces: Site of plume impact or plume incubation?:	Geology,	20,	891-894.
99N-39	Leeman, W. P., Oldow, J. S. and Hart, W. K.,	1992,	Lithosphere-scale thrusting in the western U.S. Cordillera as constrained by Sr and Nd isotopic transitions in Neogene volcanic rocks:	Geology,	20,	63-66.
99N-40	Geschwind, C. and Rutherford, M. J.,	1992,	Cummingtonite and the evolution of the Mount St. Helens (Washington) magma system: An experimental study:	Geology,	20,	1011-1014.
99N-69	Freundt, A. and Schmincke, H.-U.,	1992,	Mixing of rhyolite, trachyte and basalt magma erupted from a vertically and laterally zoned reservoir, composite flow P1, Gran Canaria:	Contrib. Mineral. Petrol.,	112,	1-19.
99N-72	Price, R. C., McCulloch, M. T., Smith, I. E. M. and Stewart, R. B.,	1992,	Pb-Nd-Sr isotopic compositions and trace element characteristics of young volcanic rocks from Egmont Volcano and comparisons with basalts and andesites from the Taupo Volcanic Zone, New Zealand:	Geochim. Cosmochim. Acta,	56,	941-953.
99N-75	Calvache V, M. L. and Williams, S. N.,	1992,	Lithic-dominated pyroclastic flows at Galeras volcano, Colombia-An unrecognized volcanic hazard:	Geol.,	20,	539-542.
99N-79	Harayama, S.,	1992,	Youngest exposed granitoid pluton on Earth: Cooling and rapid uplift of the Pliocene-Quaternary Takidani Granodiorite in the Japan Alps, central Japan:	Geology,	20,	657-660.
99N-86	Nicolls, I. A., Oba, T. and Conrad, W. K.	1992,	The nature of primary rhyolitic magmas involved in crustal evolution: Evidence from an experimental study of cummingtonite-bearing rhyolites, Taupo Volcanic Zone, New Zealand:	Geochim. Cosmochim. Acta,	56,	955-962.
99N-87	Kempton, P. D. and Harmon, R. S.,	1992,	Oxygen isotope evidence for large-scale hybridization of the lower crust during magmatic underplating:	Geochim. Cosmochim. Acta,	56,	971-986.
99S-107	Barnes, C. G., Petersen, S. W., Kistler, R. W., Perstvik, T. and Sundvoll, B.,	1992,	Tectonic implications of isotopic variation among Jurassic and early Cretaceous plutons, Klamath Mountains:	Geol. Soc. Amer. Bull.,	104,	117-126.
99S-108	Gerbe, M. C., Gourgaud, A., Sigmarsson, O., Harmon, R. S., Joron, J. L. and Provost, A.,	1992,	Mineralogical and geochemical evolution of the 1982-1983 Galunggung eruption (Indonesia):	Bull. Volcanol.,	54,	284-298.
99S-109	Henry, C. D. and Wolff, J. A.,	1992,	Distinguishing strongly rheomorphic tuffs from extensive silicic lavas:	Bull. Volcanol.,	54,	171-186.
99S-110	Branney, M. J., Kokelaar, B. P. and McConnell, B. J.,	1992,	The Bad Step Tuff: A lava-like rheomorphic ignimbrite in a calc-alkaline piecemeal caldera, English Lake District:	Bull. Volcanol.,	54,	187-199.
99S-15	Ferguson, K. M., Dungan, M. A., Davidson, J. P. and Colucci, M. T.,	1992,	The Tatar-San Pedro Volcano, 36°S, Chile: A chemically variable, dominantly mafic system:	J. Petrol.,	33,	1-43.
99S-16	Hergner, E. and Smith, I. E. M.,	1992,	Isotopic composition of late Cenozoic volcanics from southeast Papua New Guinea: Evidence for multi-component sources in arc and rift environments:	Chemical. Geol.,	97,	233-249.
99S-34	Marlow, M. S., Johnson, L. E., Pearce, J. A., Fryer, P. B., Pickthorn, L. B. G. and Murton, B. J.,	1992,	Upper Cenozoic volcanic rocks in the Mariana forearc recorded from drilling at Ocean Drilling Program Site 781: Implications for forearc magmatism:	J. Geophys. Res.,	97,	15085-15097.
99S-39	Pier, J. G., Luhr, J. F., Podosek, F. A. and Aranda-Gomez, J.,	1992,	The La Brena-EI Jaguey Maar complex, Durango, Mexico: II. Petrology and geochemistry:	Bull. Volcanol.,	54,	405-428.
99S-40	Lapierre, H., Ortiz, L. E., Abouchami, W., Monod, O., Coulon, C. and Zimmermann, J.,	1992,	A crustal section of an intra-oceanic island arc: The late Jurassic-Early Cretaceous Guanajuato magmatic sequence, central Mexico:	Earth Planet. Sci. Lett.,	108,	61-77.
99S-41	Sigmarsson, O., Condomines, M. and Fourcade, S.,	1992,	Mantle and crustal contribution in the genesis of recent basalts from off-rift zones in Iceland: Constraints from Th, Sr, and O isotopes:	Earth Planet. Sci. Lett.,	110,	149-162.
99Y-111	Tait, S.,	1992,	Selective preservation of melt inclusions in igneous phenocrysts:	American Mineralogist.,	77,	146-155.
99Y-118	Bacon, C. R., Newman, S. and Stolper, E.,	1992,	Water, CO <sub>2</sub> , Cl, and F in melt inclusions in phenocrysts from three Holocene explosive eruptions, Crater Lake, Oregon:	American Mineralogist.,	77,	1021-1030.
99Y-119	Vielzeuf, D. and Clemens, J. D.,	1992,	The fluid-absent melting of phlogopite + quartz: Experiments and models:	American Mineralogist.,	77,	1206-1223.
99Y-120	Holtz, F., Pichavant, M., Barbey, P. and Johannes, W.,	1992,	Effects of H <sub>2</sub> O on liquidus phase relations in the haplogranite system at 2 and 5 kbar:	American Mineralogist.,	77,	1241.
99Y-121	Nelson, S. T. and Montana, A.,	1992,	Sieve-textured plagioclase in volcanic rocks produced by rapid decompression:	American Mineralogist.,	77,	1242-1249.
99Y-122	Henry, C. D. and Wolff, J. A.,	1992,	Distinguishing strongly rheomorphic tuffs from extensive silicic lavas:	Bull. Volcanol.,	54,	171-186.
99Y-128	Branney, M. J., Kokelaar, B. P. and McConnell, B. J.,	1992,	The Bad Step Tuff: a lava-like theomorphic ignimbrite in a calc-alkaline piecemeal caldera, English Lake District:	Bull. Volcanol.,	54,	187-199.
99Y-132	Peccerillo, A. and Wu, T. W.,	1992,	Evolution of calc-alkaline magmas in continental arc volcanoes: evidence from Alicudi, Aeolian arc (southern Tyrrhenian Sea, Italy) :	J. Petrol.,	33,	1295-1315.
99Y-136	Grunder, A. L.,	1992,	Two-stage contamination during crustal assimilation: isotopic evidence from volcanic rocks in eastern Nevada:	Contrib. Mineral. Petrol.,	112,	219-229.
99Y-138	Esperanqa, S., Crisci, G. M., de Rosa, R. and Mazzuoli, R.,	1992,	The role of the crust in the magmatic evolution of the island of Lipari (Aeolian Island, Italy) :	Contrib. Mineral. Petrol.,	112,	450-462.
99Y-144	Draper, D. S. and Johnston, A. D.,	1992,	Anhydrous PT phase relations of an Aleutian high-MgO basalt: an investigation of the role of olivine-liquid reaction in the generation of arc high-alumina basalts:	Contrib. Mineral. Petrol.,	112,	501-519.
99Y-16	Williamson, B. J., Downes, H. and Thirlwall, M. F.,	1992,	The relationship between crustal magmatic underplating and granite genesis: an example from the Velay granite complex, Massif Central, France:	Transactions of the Royal Society of Edinburgh: Earth Sciences,	83,	235-245.
99Y-17	Burnham, C. W.,	1992,	Calculated melt and restite compositions of some Australian granites:	Transactions of the Royal Society of Edinburgh: Earth Sciences,	83,	387-397.
99Y-19	Kilpatrick, J. A. and Ellis, D. J.,	1992,	C-type magmas: igneous charnockites and their extrusive equivalents:	Transactions of the Royal Society of Edinburgh: Earth Sci.,s,	83,	155-164.

99Y-33	Jonasson, K., Holm, P. M. and Pedersen, A. K.,	1992,	Petrogenesis of silicic rocks from the Krokksfjordur central volcano, NW iceland	J. Petrol.,	33,	1345-1369.
99Y-90	Johannes, W. and Holtz, F.,	1992,	Melting of plagioclase in granite and related systems: composition of coexisting phases and kinetic observations:	Transactions of the Royal Society of Edinburgh: Earth Sci.,s,	83,	417-422.
10-502	Yuasa, M.,	1992,	Origin of along-arc geologic variations on the volcanic front of the Izu-Ogasawara (Bonin) Arc.	Bull Geol. Soc. Jap.,	43,	457-466.
10-532	木村政昭*1 松本剛*2 中村俊夫*3 大塚裕之 西国史朗*5 青木美澄*1 小野朋典*1 段野洲興,	1992,	沖縄トラフ東縁ケラマ鞍部の潜水調査 ーウラム氷期の陸橋か?ー	海洋科学技術センター試験研究報告,		107-133.
10-557	R. J. Arculus,2 J. A. Pearce,3,4 B. J. Murton,4'5 and S. R. van der Laan6	1992,	9. IGNEOUS STRATIGRAPHY AND MAJOR-ELEMENT GEOCHEMISTRY OF HOLES 786A AND 786B1.	Fryer, P., Pearce, J. A., Stokking, L. B., et al., Proceedings of the Ocean Drilling Program, Scientific Results,	125,	143-169.
99-0005	Smellie, J. L., Hofstetter, A. and Troll, G.,	1992,	Fluorine and boron geochemistry of an ensialic marginal basin volcano: Deception Island, Bransfield Strait, Antarctica:	J. Volcanol. Geotherm. Res.,	49,	255-367.
99-0006	Kawamoto, T.,	1992,	Dusty and honeycomb plagioclase: indicators of processes in the Uchino stratified magma chamber, Izu Peninsula, Japan:	J. Volcanol. Geotherm. Res.,	49,	191-208.
99-0007	Tatsumi, Y., Murasaki, M. and Nohda, S.,	1992,	Across-arc variation of lava chemistry in the Izu-Bonin Arc: indication of subduction components:	J. Volcanol. Geotherm. Res.,	49,	179-190.
99-0019	Rogers, N.W.,	1992,	Potassic magmatism as a key to trace-element enrichment processes in the upper mantle:	J. Volcanol. Geotherm. Res.,	50,	85-99.
99-0020	Fyfe, W.S.,	1992,	Magma underplating of continental crust:	J. Volcanol. Geotherm. Res.,	50,	33-40.
99-0060	Yanagi, T., Nakada, S. and Watanabe, K.,	1992,	Active volcanoes and geothermal systems in the rift zone in middle Kyushu:	29th IGC field trip guide book	4,	A23:1-31.
99-0061	Ui, T., Kobayashi, T. and Kamata, K. S.,	1992,	Calderas and pyroclastic flows in southern Kyushu:	29th IGC field trip guide	4,	C32: 1-220-237.
99-0087	Honjo, N., Bonnicksen, B., Leeman W.P. and Stormer Jr., J.C.,	1992,	Mineralogy and geothermometry of high-temperature rhyolites from the central and western Snake River Plain:	Bull Volcanol,	54,	
99-0090	Rhodes, M.,	1992,	A-type granites and rhyolites: is a for ambiguous?	EOS Trans. Amer. Geophys. Union,	73,	508
99-0092	Turner, S.P., Foden, J.D. and Morrison, R.S.,	1992,	Derivation of some a-type magmas by fractionation of basaltic magma: an example from the Padthaway Ridge, south Australia:	Lithos,	28,	151-179.
99-0094	Christensen, J.N. and DePaolo D.J.,	1992,	Time scales of large volume silicic magma systems: Sr isotopic systematics of phenocrysts and glass from the Bishop Tuff, Long Valley, California:	Contrib. Mineral. Petrol.,	113,	100-114.
99-0095	Branney, M.J., Kokelaar, B. P. and McConnell, B.J.,	1992,	The Bad Step Tuff: a lava-like rheomorphic ignimbrite in a calc-alkaline piecemeal caldera, English Lake District:	Bull Volcanol,	54,	187-199.
99-0096	Henry, C.D. and Wolff, J.A.,	1992,	Distinguishing strongly rheomorphic tuffs from extensive silicic lavas:	Bull Volcanol,	54,	171-186.
99-0097	Milner, S.C., Duncan, A.R. and Ewart, A.,	1992,	Quartz latite rheoignimbrite flows of the Etendeka Formation, north-western Namibia,	Bull Volcanol,	54,	200-219.
99-0101	Rogers, N. W.,	1992,	Potassic magmatism as a key to trace-element enrichment processes in the upper mantle:	J. Volcanol. Geotherm. Res.,	50,	85-99.
99-0110	Zhu, C. and Sverjensky, D.A.,	1992,	F-Cl-OH partitioning between biotite and apatite:	Geochem. Cosmochim.	56,	3435-3447.
99-0111	Foley, S. and Peccerillo, A.,	1992,	Potassic and ultrapotassic magmas and their origin:	Lithos,	28,	181-185.
99-0112	Peccerillo, A.,	1992,	Potassic and ultrapotassic rocks: compositional characteristics, petrogenesis, and geologic significance:	Episodes,	15,	243-251.
99-0126	Yuasa, M. and Nohara, M.,	1992,	Petrographic and geochemical along-arc variations of volcanic rocks on the volcanic front of the Izu-Ogasawara (Bonin) Arc:	Bull. Geol. Surv. Japan,	43,	421-456.
99-0127	Ikeda, Y., Yuasa, M. and Tanaka, T.,	1992,	Geochemical evidence for ternary mixing of back-arc rift lava from the Izu-Ogasawara (Bonin) arc:	Bull. Geol. Surv. Japan,	43,	413-420.
99-0128	Yuasa, M.,	1992,	Origin of along-arc geologic variations on the volcanic front of the Izu-Ogasawara (Bonin) Arc:	Bull. Geol. Surv. Japan,	43,	457-466.
99-0154	Miller, D.M., angmuir, C.H., Goldstein, S.L. and Franks, A.L.,	1992,	The importance of parental magma composition to calc-alkaline and tholeiitic evolution: evidence from Umnak Island in the Aleutians:	J. Geophys. Res.,	97,	321-343.
99-0161	Qin, Z.,	1992,	Disequilibrium partial melting model and its implications for trace element fractionations during mantle melting:	Earth Planet. Sci. Lett.,	112,	75-90.
99-0166	Foden, J.D. and Green, D.H.,	1992,	Possible role of amphibole in the origin of andesite: some experimental and natural evidence:	Contrib. Mineral. Petrol.,	109,	479-493.
99-0212	Hervig, R.L. and Dunbar, N.W.,	1992,	Cause of chemical zoning in the Bishop (California) and Bandelier (New Mexico) magma chambers:	Earth Planet. Sci. Lett.,	111,	97-108.
99-0217	Bradshaw, T.K.,	1992,	The adaptation of Pearce element ratio diagrams to complex high silica systems:	Contrib. Mineral. Petrol.,	109,	450-458.
99-0222	Singer, B.S., Myers, J.D. and Frost, C.D.,	1992,	Mid-Pleistocene lavas from the Seguam volcanic center, central Aleutian arc: closed-system fractional crystallization of a basalt to rhyodacite eruptive suite:	Contrib. Mineral. Petrol.,	110,	87-112.
99-0237	Tatsumi, Y., Murasaki, M. and Nohda, S.,	1992,	Across-arc variation of lava chemistry in the Izu-Bonin Arc: identificastion of subduction components:	J. Volcanol. Geotherm. Res.,	49,	179-190.
99-0243	Foden, J.D. and Green, D.H.,	1992,	Possible role of amphibole in the origin of andesite: some experimental and natural evidence:	Contrib. Mineral. Petrol.,	109,	479-493.
99-0252	Arakawa, Y.,	1992,	143Nd/144Nd ratios of twelve GSJ rock reference samples and reproducibility of the data:	Geochem. J.,	26,	105-109.
99-0266	Minoura, K. and Hasegawa, A.,	1992,	Crustal structure and origin of the northeast Japan arc:	Episode,	14,	2-15.
99-0296	Romick, J.D., Kay, S.M. and Kay, R.,	1992,	The influence of amphibole fractionation on the evolution of calc-alkaline andesite and dacite tephra from the central Aleutians, Alaska:	Contrib. Mineral. Petrol.,	112,	101-118.
99-0307	Zhao, D., Horiuchi, S. and Hasegawa, A.,	1992,	Seismic velocity structure of the crust beneath the Japan island	Tectonophysics,	212,	289-301.

99-0351	Stimac, J.A. and Peace, T.H.	1992.	Textural evidence of mafic-felsic magma interaction in dacite lavas, Clear Lake, California:	Am. Miner.,	77,	795-809.
99-0359	Barbarin, B. and Didier, J.,	1992.	Genesis and evolution of mafic microgranular enclaves through various types of interaction between coexisting felsic and mafic magmas:	Trans. R. Soc. Edin., Earth Sci.,	83,	145-153.
99-0360	Bacon, C.R.,	1992.	Partially melted granodiorite and related rocks ejected from Crater Lake caldera, Oregon:	Trans. R. Soc. Edin., Earth Sci.,	83,	27-47.
99-0404	Daishi, M.,	1992.	Cenozoic volcanic activities and rocks from the Ryukyu islands (in Japanese, with English abstract):	松本□夫教授記念論文集,		49-60.
99-0405	Kawano, N. and Matsumoto, Y.,	1992.	Petrology of igneous rocks from the Uotsuri-jima and Minami-ko-jima, Senkaku Island, Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		61-68.
99-0406	Daishi, M. and Matsumoto, Y.,	1992.	Volcanic rocks from Akuseki-jima, the Tokara island, Kagoshima Prefecture, Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		81-94.
99-0407	Ishihara, K. and Yoshida, A.,	1992.	Configuration of the Philippine Sea Slab and seismic activity in and around Kyushu (In Japanese, with English abstract):	J. Seismol. Soc. Japan,	45,	45-51.
99-0448	Lu, F., Anderson, A.T. and Davis, A.M.,	1992.	Melt inclusions and crystal-liquid separation in rhyolitic magma of the Bishop Tuff	Contrib. Mineral. Petrol.,	110,	113-120
99-0453	Dunbar, N.W. and Hervig, R.L.,	1992.	Petrogenesis and volatile stratigraphy of the Bishop Tuff: Evidence from melt inclusion analysis:	J. Geophys. Res.,	97,	15129-15150.
99-0487	Ohta, T., Hasenaka, T., Ban, M. and Sasaki, M.,	1992.	Characteristic geology and petrology of non-arc type volcanism at Oninomi monogenetic volcano, Yufu-Tsurumi Graben (In Japanese, with English abstract):	Bull. volcanol. Soc. Japan,	37,	119-131.
99-0502	Nelson, D.R.,	1992.	Isotopic characteristics of potassic rocks: evidence for the involvement of subducted sediments in magma genesis:	Lithos,	28,	403-420.
99-0509	Massonne, H-J.,	1992.	Evidence for low-temperature ultrapotassic siliceous fluids in subduction zone environments from experiments in the system K <sub>2</sub> O-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O (KMASH):	Lithos,	28,	421-434.
99-0567	Nagao, T., Kakubuchi, S. and Matsumoto, Y.,	1992.	Trace element compositions of the Cenozoic basalts in Northern Kyushu, SW Japan (In Japanese, with English abstract):	松本□夫教授記念論文集		265-271.
99-0572	Tajima, T., Matsumoto, Y. and Hayashi, M.,	1992.	Fission-track ages of volcanic rocks in Nagasaki city and its surroundings (In Japanese, with English abstract):	松本□夫教授記念論文集		181-186.
99-0576	Iwauchi, A. and Hase, Y.,	1992.	Late Cenozoic vegetation and paleoenvironment of northern and central Kyushu, Japan - part 5 Yoshino area (Middle Pleistocene):	J. Geol. Soc. Japan,	98,	205-221.
99-0584	Imura, R. and Koga, M.,	1992.	<sup>14</sup> C-ages of charcoal from the Kirishima Volcano and the Ito Ignimbrite (in Japanese):	Bull. volcanol. Soc. Japan,	37,	99-102.
99-0601	Iwamori, H.,	1992.	Degree of melting and source composition of Cenozoic basalts in Southwest Japan: evidence for mantle upwelling by flux melting:	J. Geophys. Res.,	97,	10983-10995.
99-0617	Yoshida, A. and Seno, T.,	1992.	Tectonic Origin of the Aso volcano (In Japanese)	Bull. volcanol. Soc. Japan,	37,	297-301.
99-0619	Ishihara, K. and Yoshida, A.,	1992.	configuration of the Philippine Sea slab and seismic activity in and around Kyushu (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	45,	45-51.
99-0620	Kakuta, T., Miyamachi, H., Kubota, H. and Takagi, A.,	1992.	Crustal earthquakes in Kyushu (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	45,	229-237.
99-0625	Savage, J.C. and Thatcher, W.,	1992.	Interseismic deformation at the Nankai Trough, Japan, subduction zone:	J. Geophys. Res.,	97,	11117-
99-0634	Hibbard, J., Karig, D. and Taira, A.,	1992.	Anomalous structural evolution of the Shimanto accretionary prism at Muroto misaki, Shikoku Island, Japan:	The Island Arc,	1,	133-147.
99-0664	Underwood, M.B., Laughland, M.M., Byren, T., Hibbard, J.P. and DiTullio, L.,	1992.	Thermal evolution of the Tertiary Shimanto belt, Muroto peninsula, Shikoku, Japan:	The Island Arc,	1,	116-132.
99-0666	Iwaya, T. and Mimura, K.,	1992.	K-Ar and fission-track ages of the Osuzuyama volcano-plutonic complex in Miyazaki Prefecture, Southwest Japan (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	43,	565-572.
99-0687	Honma, H. and Matsumoto, Y.,	1992.	Sr and Nd isotope ratios of volcanic rocks from the Ryukyu arc system (In Japanese)	日本地質学会講演要旨集		405
99-0688	Nagao, T., Hase, Y., Nagamine, S., Yamamoto, M. and Sakaguchi, K.,	1992.	Volcanism and origin of the Cenozoic Hisatsu volcanic rocks, South Kyushu (In Japanese)	日本地質学会講演要旨集		407
99-0689	Watanabe, K., Izawa, E., Itaya, T. and Taguchi, Y.,	1992.	Eastward migration of the late Cenozoic volcanic front in southern Kyushu (In Japanese):	日本地質学会講演要旨集		409
99-0692	Watanabe, K., Aoyagi, C., Izawa, E., Taguchi, S., Ueno, H. and Nedachi, M.,	1992.	Magnetostratigraphy of gold deposit hostrock in the Kusu area, Ota Prefecture (In Japanese, with English abstract):	松本□夫教授記念論文集,		135-141.
99-0696	Shiraki, K., Matsuo, H., Matsumoto, Y. and Tajima, T.,	1992.	Late Moicene sanukitoids from Nishisonogi peninsula, Nagasaki Prefecture, Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		173-180.
99-0697	Kido, M. and Hikosan Collaborative Res. G.,	1992.	Mechanism for vent fractures of the Pliocene volcanic activity of the Hohi series = The Hikosan, Koishikawa and Yoake areas and the Tsue area, northern and central Kyushu, Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		143-150.
99-0698	Matsumoto, Y., Yamaga, S. and Itaya, T.,	1992.	K-Ar ages and main chemical compositions of basaltic rocks from northern Kyushu and Shimonoseki city, southwest Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		247-264.
99-0699	Matsumoto, Y. and Takeshita, H.,	1992.	Crystallization trends of pyroxenes in the Himeshima gabbros, Goto Islands, Nagasaki Prefecture, Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		159-172.
99-0700	Matumoto, Y.,	1992.	火山と岩石の探究 (松本□夫教授記念論文集: 目次)	松本□夫教授記念論文集,		0-
99-0701	Komuro, H.,	1992.	Experiments on mechanism of a volcano-tectonic depression (In Japanese, with English abstract):	松本□夫教授記念論文集,		119-123.
99-0702	Matsumoto, Y., Itai, H. and Futatsugi, A.,	1992.	Fission track ages of some andesites from the Yabakei district, Oita Prefecture, Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		151-157.
99-0703	Matumoto, Y.,	1992.	The late Cenozoic volcanic series and volcanism in southwest Japan (In Japanese, with English abstract):	松本□夫教授記念論文集,		1-37.
99-0704	Kuroda, N.,	1992.	Dacites in Chichi-jima, Bonin Islands (In Japanese, with English abstract):	松本□夫教授記念論文集,		321-326.
99-0705	Matsumoto, Y. and Matsumoto, N.,	1992.	Reexamination on pseudo-hypersthene in basalt from Kishima area, Saga Prefecture, Jpan (In Japanese, with English abstract):	松本□夫教授記念論文集,		217-226.

99-0706	Ishibashi, K.,	1992,	Graphical representation of rocks for main four rock series on wo-fo-Q diagram (In Japanese, with English abstract):	松本□夫教授記念論文集,	227-236.
99-0713	Miyamachi, M.	1992,	Fission-track ages of some large scale pyroclastic flow deposits in southern Kyushu, Japan (In Japanese, with English abstract):	九大教養地報,	29, 37-44.
99-0765	Seo, S.-G., Sakai, T. and Okada, H.,	1992,	Petrological nature and origin of sandstones of the Lower Cretaceous Kanmon Group (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	38, 155-169.
99-0784	Kimura, M., Hayashi, M., Hashimoto, A. and Kato, Y.,	1992,	Igneous activity in and around the Torishima central graben in the middle Okinawa Trough (In Japanese, with English abstract):	松本□夫教授記念論文集	69-80.
99-0795	Ohmi, S. and Shimizu, H.,	1992,	Three dimensional velocity structure in the Unzen volcanic region (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	37, 133-145.
99-0806	Watanabe, K., Hoshizumi, H. and Ikebe, S.,	1992,	The eruption of Fugen-dake from November 1990 to May 1991, Unzen volcano, Japan (In Japanese, with English abstract):	Rep. Mem. Fac. Educ. Kumamoto Univ.,	41 47-60.
99-0815	Watanabe, K.,	1992,	雲仙普賢岳1991年溶岩出現以前のマグマ水蒸気爆発:	熊本地学会誌	101, 10-13.
99-0818	Ishizaka, S., Watanabe, K. and Takada, H.,	1992,	熊本平野地下における第四系の最近15万年間の沈降速度:	The Quaternary Research	31, 91-99.
99-0835	Taguchi, S., Hayashi, M. and Itaya, T.,	1992,	K-Ar dating of rocks from and /or around Kirishima Volcano (1) - Nagao-yama pyroxene andesite (In Japanese, with English abstract):	松本□夫教授記念論文集,	109-112.
99-0838	Nagao, T., Sawai, O., Itaya, T. and Kakubuchi, S.,	1992,	K-Ar ages and petrological characteristics of the tholeiitic basalts and high-magnesian andesite from Amakusa-Shimoshima, Kumamoto Prefecture, SW Japan (In Japanese, with English abstract):	J. Mineral. Petrol. Econ. Geol.,	87, 283-290.
99-0861	Watanabe, K.,	1992,	阿蘇火山	日本地質学会第99回学術大会 見学案見所	13-32.
99-0885	Honma, H. and Matsumoto, Y.,	1992,	Sr and Nd isotope ratios of volcanic rocks from the Ryukyu arc system (In Japanese):	地質学会講演要旨集,	405
99-0886	Nagao, T., Hase, Y., Nagamine, S., Yamamoto, M. and Sakaguchi, K.,	1992,	Volcanism and origin of the Cenozoic Hisatsu Volcanic rocks, south Kyushu (In Japanese):	地質学会講演要旨集,	407
99-0887	Watanabe, K., Izawa, E., Itaya, T. and Taguchi, S.,	1992,	Eastward migration of the late Cenozoic volcanic front in southern Kyushu (In Japanese):	地質学会講演要旨集,	409
99-0899	NEDO	1992,	地熱開発促進調査報告書 No.25 菱刈地域	新エネルギー・産業技術総合開発機構	981 p
99-0927	Fujita, Y.,	1992,	A problem of the Beppu-Shimabara rift viewed from the Late Cenozoic disturbances in Japan (In Japanese, with English abstract):	松本□夫教授記念論文集	113-118.
99-0929	Mohr, P.,	1992,	Nature of the crust beneath magmatically active continental rifts:	Tectonophysics	213, 269-284.
99-0942	Price, R.C., McCulloch, M.T., Smith, I.E.M. and Stewart, R.B.,	1992,	Pb-Nd-Sr isotopic compositions and trace element characteristics of young volcanic rocks from Egmont Volcano and comparisons with basalts and andesites from the Taupo Volcanic Zone, New Zealand:	Geochem. Cosmochim. Acta.,	56, 941-953.
99-0943	Graham, I.J., Gulson, B.L., Hedenquist, J.W. and Mizon, K.,	1992,	Petrogenesis of Late Cenozoic volcanic rocks from the Taupo Volcanic Zone, New Zealand, in the light of new lead isotope data:	Geochem. Cosmochim. Acta.,	56, 2797-2819.
99-0944	Nicholls, I.A., Oba, T. and Conrad, W.K.,	1992,	The nature of primary rhyolitic magma involved in crustal evolution: evidence from an experimental study of cummingtonite-bearing rhyolites, Taupo Volcanic Zone, New Zealand:	Geochem. Cosmochim. Acta.,	56, 955-962.
99-0967	Day, R.A., Green, T.H. and Smith, I.E.M.,	1992,	The origin and significance of garnet phenocrysts and garnet-bearing xenoliths in Miocene calc-alkaline volcanic from Northland, New Zealand:	J. Petrol.,	33, 125-161.
99-0978	Ninomiya, A. and Arai, S.,	1992,	Harzburgite fragment in a composite xenolith from an Oshima-Oshima andesite, the Northeast Japan Arc(In Japanese):	Bull. Volcanol. Soc. Japan,	37, 269-273.
99-0996	Kagami, H., Iizumu, S., Tainosho, Y. and Owada, M.,	1992,	Spatial variations of Sr and Nd isotope ratios of Cretaceous-Paleogene granitoid rocks, Southwest Japan Arc:	Contrib. Mineral. Petrol.,	112, 165-177.
99-1012	Inov, D.A., Kramm, U. and Stosch, H.-G.,	1992,	Evolution of the upper mantle beneath the southern Baikal rift zone: an Sr-Nd isotope study of xenoliths from the Bartoy volcanoes:	Contrib. Mineral. Petrol.,	111, 235-247.
99-1013	Porcelli, D.R., O'Nions, R.K., Galer, S.J.G., Cohen, A.S. and Matthey, D.P.,	1992,	Isotopic relationships of volatile and lithophile trace elements in continental ultramafic xenoliths:	Contrib. Mineral. Petrol.,	110, 528-538.
99-1044	Liu, C.-Q., Masuda, A., Shimizu, H., Takahashi, K. and Xie, G.-H.,	1992,	Evidence for pressure dependence of the peak position in the REE mineral / melt partition patterns of clinopyroxene:	Geochim. Cosmochim. Acta,	56, 1523-1530.
99-1045	Nielsen, R.L., Gallahan, W.E. and Newberger, F.,	1992,	Experimentally determined mineral-melt partition coefficients for Sc, Y and Re for olivine, orthopyroxene, pigeonite, magnetite and ilmenite:	Contrib. Mineral. Petrol.,	110, 488-499.
99-1051	Gao, S., Zhang, B.-R., Luo, T.-C., Li, Z.-J., Gu, X.-M., Zhang, H.-F., Ouyang, J.-P., Wang, D.-P. and Gao, C.-L.,	1992,	Chemical composition of the continental crust in the Qinling Orogenic Belt and its adjacent North China and Yangtze cratons:	Geochim. Cosmochim. Acta,	56, 3933-3950.
99-1053	Tatsumoto, M., Basu, A.R., Wankang, H., Junwen, W. and Guanghong, X.,	1992,	Sr, Nd, and Pb isotopes of ultramafic xenoliths in volcanic rocks of Eastern China: enriched components EMI and EMII in subcontinental lithosphere:	Earth Planet. Sci. Lett.,	113, 107-128.
99-1054	Tu, K., Flower, M.F.J., Carlson, R.W., Xie, G., Chen, C.-Y. and Zhang, M.,	1992,	Magmatism in the South China Basin 1. Isotopic and trace-element evidence for an endogenous Dupal mantle component:	Chemical Geol.,	97, 47-63.
99-1055	Liu, C.-Q., Masuda, A. and Xie, G.-H.,	1992,	Isotope and trace-element geochemistry of alkali basalts and associated megacrysts from the Huangyishan volcano, Kuandian, Lianing, NE China:	Chemical Geol.,	97, 219-231.
99-1056	Flower, M.F.J., Zhang, M., Chen, C.-Y., Tu, K. and Xie, G.,	1992,	Magmatism in the South China Basin 2. Post-spreading Quaternary basalts from Hainan Island, south China:	Chemical Geol.,	97, 65-87.
99-1077	Yamanaka, Y., Miyatake, T. and Hirahara, K.,	1992,	日本付近の3次元S波速度構造—沈み込むスラブの形状について—	Bull. earthq. Res. Inst.,	67, 265-302.
99-1078	Ishii, H.,	1992,	伊東沖海底噴火前後の伊豆半島の特徴的上下変動:	Bull. earthq. Res. Inst.,	67, 67-77.
99-1096	Coleman, D.S. and Walker, J.D.,	1992,	Evidence for the generation of juvenile granitic crust during continental extension, mineral mountains batholith, Utah:	J. Geophys. Res.,	97, 11011-11024.
99-1097	de Wit, M.J., Roering, C., Hart, R.J./\., Armstrong, R.A., de Ronde, C.E.J., Green, R.W.E., Tredoux, M., Peberdy, E. and Hart, R.A.,	1992,	Formation of an Archaean continent:	Nature,	357, 553-562.
99-1131	Duffield, W.A. and Ruiz, J.,	1992,	Evidence for the reversal of gradients in the uppermost parts of silicic magma reservoirs:	Geology,	20, 1115-1118.

99-1132	Duffield, W.A. and Ruiz, J.,	1992,	Compositional gradients in large reservoirs of silicic magma as evidenced by ignimbrites versus Taylor Creek Rhyolite lava domes:	Contrib. Mineral. Petrol.,	110,	192-210.
99-1134	Clark, B.H. and Peacor, D.R.,	1992,	Pyrometamorphism and partial melting of shales during combustion metamorphism: mineralogical, textural, and chemical effects:	Contrib. Mineral. Petrol.,	112,	558-568.
99-1147	Bacon, C.R.,	1992,	Partially melted granodiorite and related rocks ejected from Crater Lake caldera, Oregon:	Trans. Roy. Soc. Edinburg, Earth Sci.,	83,	24-47.
99-1149	Komatsu, M. and Tanaka, M.,	1992,	玄武岩中の花崗岩, 堆積岩の部分溶融:	月刊 地球	14,	667-674.
99-1156	Nelson, S.T. and Montana, A.,	1992,	Sieve-textured plagioclase in volcanic rocks produced by rapid decompression:	Amer. Miner.,	77,	1242-1249.
99-1182	Rowland, S.K. and Munro, D.C.,	1992,	The caldera of Volcan Fernandina: a remote sensing study of its structure and recent activity:	Bull. Volcanol.,	55,	97-109.
99-1184	Siebe, C., Komorowski, J.-C. and Sheridan, M.F.,	1992,	Morphology and emplacement of an unusual debris-avalanche deposit at Jocotitlán volcano, Central Mexico:	Bull. Volcanol.,	54,	573-589.
99-1185	Pallister, J.S., Hoblitt, R.P., Crandell, D.R. and Mullineaux, D.R.,	1992,	Mount St. Helens a decade after the 1980 eruptions: magmatic models, chemical cycles, and a revised hazards assessment:	Bull. Volcanol.,	54,	126-146.
99-1219	Machida, H. and Arai, F.,	1992,	鬼界アカホヤ (K-Ah)	Atlas of tephra in and around Japan	University of Tokyo Press, Tokyo	54-58.
99-1247	Anderson, D.L., Zhang, Y.-S. and Tanimoto, T.,	1992,	Plume heads, continental lithosphere, flood basalts and tomography:	In Storey, B.C., Alabaster, T. and Pankhurst, R.J.(eds), Magmatism and the Causes of Continental Break-up,	Geol. Soc. Spec. Pub., 68,	99-124.
99-1248	Saunders, A.D., Storey, M., Kent, R.W. and Norry, M.J.,	1992,	Consequences of plume-lithosphere interactions:	In Storey, B.C., Alabaster, T. and Pankhurst, R.J.(eds), Magmatism and the Causes of Continental Break-up,	Geol. Soc. Spec. Pub., 68,	41-60.
99-1249	Coffin, M.F. and Eldholm, O.,	1992,	Volcanism and continental break-up: a global compilation of large igneous provinces:	In Storey, B.C., Alabaster, T. and Pankhurst, R.J.(eds), Magmatism and the Causes of Continental Break-up,	Geol. Soc. Spec. Pub., 68,	17-30.
99-1316	Togashi, S., Tanaka, T., Yoshida, T., Ishikawa, K., Fujinawa, A. and Kurasawa, H.,	1992,	Trace elements and Nd-Sr isotopes of island arc tholeiites from frontal arc of Northeast Japan:	Geochem.J.,	26,	261-277.
99-1318	Wörner, G., Moorbath, S. and Harmon, R.S.,	1992,	Andean Cenozoic volcanic centers reflect basement isotopic domains:	Geology,	20,	1103-1106.
12-185	Craig H. Jones", Brian P. Wernicke b.*, G. Lang Farmer ',J. Douglas Walker D.S. Coleman d, L.W. McKenna d and F.V. Perry	1992,	Variations across and along a major continental rift: An interdisciplinary study of the Basin and Range province, western USA.	Tectonophysics,	213,	57-96.
12-399	Catherine Chauvel a, Albrecht W. Hofmann a and Philippe Vidal	1992,	HIMU-EM: The French Polynesian connection.	Earth and Planetary Science Letters,	110,	99-119.
12-411	Jonathan H. Fink and Ross W. Griffiths	1992,	A laboratory analog study of the surface morphology of lava flows extruded from point and line sources.	Journal of volcanology and geothermal research.,	54,	19-32.
12-b028	STEVEN W. ANDERSON JONATHAN H. FINK	1992,	Crease structures: Indicators of emplacement rates and surface stress regimes of lava flows.	Geol. Soc. Amer. Bull.,	104,	615-625.
12-b037	PING-NAN LIN	1992,	Trace element and isotopic characteristics of western Pacific pelagic sediments: Implications for the petrogenesis of Mariana Arc magmas.	Geochimica et Cosmochimica Acta,	56,	1641-1654.
12-b038	S. M. McCLENNAN and S. J. HENNING	1992,	Samarium/ neodymium elemental and isotopic systematics in sedimentary rocks	Geochimica et Cosmochimica Acta,	56,	887-898.
15-124	環境省	1992,	環境と開発に関するリオ宣言	国連環境開発会議 (地球サミット: 1992年、リオ・デ・ジャネイロ)		
16-047	Mark Cloos	1992,	Thrust-type subduction-zone earthquakes and seamount asperities: A physical model for seismic rupture.	geology,	20,	601-604.
16-159	A. Borgia*, L. Ferrarri & G. Pasquaret	1992,	Importance of gravitational spreading in the tectonic and volcanic evolution of Mount Etna.	Nature,	357,	231-235.
16-174	Michele Dragoni", Silvia Pondrelli and Andrea Tallarico	1992,	Longitudinal deformation of a lava flow: the influence of Bingham rheology.	Jour. Volcanology and geothermal research,	52,	247-254.
00-0093	Holcomb, R.T. and Searle, R.C.,	1991,	Large landslides from oceanic volcanoes.	Marine Geotechnology,	10,	19-32.
00-0108	Bergh, S.G. and Sigvaldason, G. E.,	1991,	Pleistocene mass-flow deposits of basaltic hyaloclastite on a shallow submarine shelf, South Iceland.	Bull. Volcanol.	53,	597-611.
00-0115	Yamagishi, H.,	1991,	Morphological and sedimentological characteristics of the Neogene submarine coherent lavas and hyaloclastites in Southwest Hokkaido, Japan.	Sedimentary Geol.,	74,	5-23.
00-0241	Weaver, B. L.,	1991,	The origin of ocean island basalt end-member compositions: trace element and isotopic constraints.	Earth Planet. Sci. Lett.,	104,	381-397.
00-0243	Kurz, M.D. and Kammer, D.P.,	1991,	Isotopic evolution of Mauna Loa volcano.	Earth Planet. Sci. Lett.,	103,	257-269.
02-0011	de Silva, S.L.,	1991,	Styles of zoning in central Andean ignimbrites: Insights into magma chamber processes.	Geol. Soc. Am., Spec. Pap.,	265,	217-231.
02-0027	Keppler, H., Wyllie, P. J.,	1991,	Partitioning of Cu, Sn, Mo, W, U, and Th between melt and aqueous fluid in the systems haplogranite-H <sub>2</sub> O-HCl and haplogranite-H <sub>2</sub> O-HF.	Contrib. Mineral. Petrol.,	109,	139-150.
02-0030	Bezmen, N.I., Zharikov, V.A., Epelbaum, M.B., Zavel'sky, V.O., Dikov, Y.P., Suk, N.I., Koshemchuk, S.K.,	1991,	The system NaAlSi <sub>3</sub> O <sub>8</sub> -H <sub>2</sub> O-H <sub>2</sub> (1200C, 2 Kbar): the solubility and interaction mechanism of fluid species with melt.	Contrib. Mineral. Petrol.,	109,	89-97.
02-0033	Morrison, J.,	1991,	Compositional constraints on the incorporation of Cl into amphiboles.	Amer. Mine.,	76,	1920-1922.
02-0061	Rushmer, T.,	1991,	Partial melting of two amphibolites: contrasting experimental results under fluid-absent conditions.	Contrib. Mineral. Petrol.,	107,	41-59.

02-0090	Yamagishi, H.,	1991,	Morphological features of Miocene submarine coherent lavas from the "Green tuff" basins: examples from basaltic and andesitic rocks from the Shimokita Peninsula, northern Japan.	Bull. Volcanol.,	53,	173-181.
02-0151	Clague, D.A., and Moore, J.G.,	1991,	Geology and petrology of Mahukona volcano, Hawaii.	Bull. Volcanol.,	53,	159-172.
02-0158	Hakuno, M., and Uchida, Y.,	1991,	Application of the distinct element method to the numerical analysis of debris flows.	Structural Eng. / Earthquake Eng.	8,	75-85.
02-0160	Hakuno, M., and Yamamoto, T.,	1991,	Extended distinct element simulation of dynamic tunnel collapse.	J. Natural Sci.,	13,	35-55.
02-0161	Katsuki, S., and Ishikawa, N.,	1991,	Earth pressure analysis of field materials by distinct element method using ellipse model.	Structural Eng. / Earthquake Eng.	8,	55-62.
02-0162	Yamamoto, T., and Hakuno, M.,	1991,	Simulation analysis of volcanic eruption by the modified distinct element method.	J. Phys. Earth,	39,	441-460.
03-0025	Dixon, J.E., Clague, D.A., and Stolper, E.M.,	1991,	Degassing history of water, sulfur, and carbon in submarine lavas from Kilauea volcano, Hawaii.	J. Geol.,	99,	371-394.
03-0027	Clague, D.A., Weber, W.S., and Dixon, J.E.,	1991,	Picritic glasses from Hawaii.	Nat.,	353,	553-556.
03-0074	Pan, V., Holloway, J.R., and Hervig, R.L.,	1991,	The pressure and temperature dependence of carbon dioxide solubility in tholeiitic basalt melt.	Geochim. et Cosmochim. Acta.,	55,	187-1595.
03-0106	Davis, A.S., Clague, D.A., Schulz, M.S., and Hein, J.R.,	1991,	Low sulfur content in submarine lavas: an unreliable indicator of subaerial eruption.	Geol.,	19,	750-753,
04-077	Allen, J.R.L.,	1991,	The Bouma division a and the possible duration of turbidity currents.	J. Sed. Petrology,	61,	291-295.
04-080	Bill, P., Magi, M., and Sagri, M.,	1991,	Pleistocene lacustrine fan delta deposits of the valdarno basin, Italy	J. Sed. Petrology,	61,	280-290.
05-011	Jaupart, C., and Allegre, C.J.,	1991,	Gas content, eruption rate and instabilities of eruption regime in silicic volcanoes.	Earth Planet. Sci. Lett.,	102,	413-429.
05-064	Sasaki, Y., Abe, M., and Hirano, I.,	1991,	Fractal slope failure size-number distribution (in Japanese with english abstract).	J. Japan Soc. Engineering Geol.,	32,	99-109.
05-073	Schroeder, M.,	1991,	Fractals, chaos, power laws: minutes from an infinite paradise.	W.H. Freeman and	New York,	429 pp.
06-048	Kampunzu, A.B., Lubala R. T.,	1991,	introduction and contents	in Magmatism in extensional structural settings The Phanerozoic African Plate, Kampunzu, A.B. and Lubala R.T., (Eds. )	Springer-Verlag New York	0-XXIV
06-064	Taira, A., Ogawa, Y.,	1991,	Cretaceous to Holocene forearc evolution in Japan and its implication to crustal dynamics.	Episodes,	14,	205-
06-087	Potts, P.J.,	1991,	A handbook of silicate rock analysis	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	title page
06-088	Potts, P.J.,	1991,	14 Ion exchange preconcentration procedures.	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	472-
06-089	Potts, P.J.,	1991,	4 Atomic absorption spectrometry.	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	106-
06-090	Potts, P.J.,	1991,	References	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	587-
06-091	Potts, P.J.,	1991,	1 Concepts in analytical chemistry.	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	1-46.
06-092	Potts, P.J.,	1991,	2 Classical and rapid methods of analysis.	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	47-
06-093	Potts, P.J.,	1991,	3 Optical spectrometry: principles and instrumentation.	A handbook of silicate rock analysis	Kluwer Academic Publishers Group	77-
06-1045	Bischoff, J.L., Fitzpatrick, J.A.,	1991,	U-series dating of impure carbonates: An isochron technique using total-sample dissolution.	Geochimica. et Cosmochimica. Acta.,	55,	543-554.
06-1047	Luo, S., Ku, T.-L.,	1991,	U-series isochron dating: A generalized method employing total-sample dissolution.	Geochimica. et Cosmochimica. Acta.,	55,	555-564.
06-1050	Chinzei, K.,	1991,	Late Cenozoic zoogeography of the Sea of Japan area.	Episodes,	14,	231-
06-1051	Aramaki, S.,	1991,	Hazardous volcanic eruptions in Japan.	Episodes,	14,	264-
06-1052	Matsuda, T., Kinugasa, Y.,	1991,	Active faults in Japan.	Episodes,	14,	199-
06-1053	Utada, M.,	1991,	Zeolitization in the Neogene formations of Japan.	Episodes,	14,	242-
06-1054	Sato, T.,	1991,	Historical review of geological sciences in Japan.	Episodes,	14,	187-
06-1065	Holcomb, R.T., Searle, R.C.,	1991,	Large landslides from Oceanic Volcanoes.	Marine Geotechnology,	10,	19-32.
06-1069	Yamaguchi, H.,	1991,	Morphological and sedimentological characteristics of the Neogene submarine coherent lavas and hyaloclastites in Southwest Hokkaido, Japan.	Sedimentary Geol.,	74,	5-23.
06-1104	九州地方の地質	1991,	霧島火山帯	共立出版		
06-145	Omura, A., Iwata, H., Ota, Y., Koba, M., Kawana, T.,	1991,	<sup>238</sup> Th/ <sup>230</sup> U dates of late Pleistocene corals from Kita- and Minami-Daito Islands, Okinawa, Japan (in Japanese)	J. of Geography	100,	337-350.

06-159	Wolf, M.B., Wyllie, P.J.,	1991,	Dehydration-melting of solid amphibolite at 10 kbar: textural development, liquid interconnectivity and applications to the segregation of magmas.	Mineralogy and Petrology	44,	151-179.
06-160	Potts, P.J., Rogers, N.W.,	1991,	Determination of trace elements in selected geological reference materials by instrumental neutron activation analysis.	Geostandards Newsletter,	15,	111-116.
06-161	Verma, S.P.,	1991,	Determination of thirteen rare-earth elements by high performance liquid chromatography in thirty and of K, Rb, Cs, Sr and Ba by isotope dilution mass spectrometry in eighteen international geochemical reference samples.	Geostandards Newsletter,	15,	129-134.
06-163	Kay, R.W., Ithaca, S. M-K.	1991,	Creation and destruction of lower continental crust.	Geologische Rundschau,	80,	259-278.
06-2002	高田亮	1991,	マグマで満たされたクラックの輸送過程からみた火山の形成・発展機構	月刊地球	13	332-340
06-2014	Rapp, R.P., Watson, E.B., and Miller, C.F.,	1991,	Partial melting of amphibolite / eclogite and the origin of Archean trondhjemites and tonalites.	Precambrian Research,	51,	1-25.
06-3032	Houghton, B.F., Nairn, I.A.,	1991,	The 1976-1982 strombolian and phreatomagmatic eruptions of White Island, New Zealand: eruptive and depositional mechanisms at a "wet" volcano.	Bull volcanol.,	54,	25-49.
06-3135	Mastin, L.G.,	1991,	The roles of magma and groundwater in the phreatic eruptions at Inyo Creators, Long Valley Caldera, California.	Bull volcanol.,	53,	579-596.
07-011	Johnson, L.E., Fryer, P., Taylor, B.,	1991,	New evidence for crustal accretion in the outer Mariana fore arc: Cretaceous radiolarian cherts and mid-ocean ridge basalt-like lavas.	Geology,	19,	811-814.
07-045	九州地方の地質	1991,	第五章 海洋地質			
07-108F	Defant, M.J., Maury, R.C., Ripley, E.M., Feigenson, M.D., Jacques, D.,	1991,	An example of island-arc petrogenesis: geochemistry and petrology of the Southern Luzon Arc, Philippines.	J. Petrol.,	32,	455-500.
07-109	Hill, R.I.,	1991,	Strating plumes and continental break-up.	Earth, Planet., Sci., Lett.,	104,	398-416.
07-110	Hasegawa, A., Zhao, D., Hori, S., Yamamoto, A., Horiuchi, S.,	1991,	Deep structure of the northeastern Japan arc and its relationship to seismic and volcanic activity.	Nat.,	352,	683-688.
07-122	Nakada, S., Kamata, H.,	1991,	Temporal change in chemistry of magma source under Central Kyushu, Southwest Japan: progressive contamination of matle wedge.	Bull. Volcanol.,	53,	182-194.
07-130s	Hodges, K.V.,	1991,	Pressure-temperature-time paths.	Annu. Rev. Earth Planet. Sci.,	19,	207-236.
07-132	Cull, J.P., O'Reilly, S.Y., Griffin, W.L.,	1991,	Xenolith geotherms and crustal models in Eastern Australia.	Tectonophysics,	192,	359-366.
07-154s	Hori, S., Hasegawa, A.,	1991,	Location of a Mid-crustal magma body beneath Mt. Moriyoshi, Northern Akita prefecture, as estimated from reflected SxS phases (in Japanese).	地震,	44,	39-48.
07-158	Mahoney, J., Nicollet, C., Dupuy, C.,	1991,	Madagascarbasalts: tracking oceanic and continental sources.	Earth, Planet., Sci., Lett.,	104,	350-363.
07-166	Defant, M.J., Clark, L.F., Stewart, R.H., Drummond, M.S., de Boer, J.Z., Maury, R.C., Bellon, H., Jackson, T.E., Restrepo, J.F.,	1991,	Andesite and dacite genesis via contrasting processes: the geology and geochemistry of El Valle Volcano, Panama.	Contrib., Mineral., Petrol.,	106,	309-324.
07-176	Condie, K.C.,	1991,	Another look at rare earth elements in shales.	Geochim. Cosmochim. Acta,	55,	2527-2531.
07-178	Arculus, R.J., Gust, D.A., Kushiro, I.,	1991,	Fuji and Hakone.	National Geographic Research & Exploration,	7,	276-309.
07-188	Arculus, R.J., Gust, D.A., Kushiro, I.,	1991,	Fuji and Hakone.	National Geographic Research & Exploration,	7,	276-309.
07-200	Ballhaus, C., Berry, R.F., Green, D.H.,	1991,	High pressure experimental calibration of the olivine-orthopyroxene-spinel oxygen geobarometer: implications for the oxidation state of the upper mantle.	Contrib., Mineral., Petrol.,	107,	27-40.
07-204	Eggins, S.M., Green, D.H., Falloon, T.J.,	1991,	The Tasmanid Seamounts: shallow melting and contamination of an Em1 mantle plume.	Earth, Planet., Sci., Lett.,	107,	448-462.
08-198	長谷義隆, 長峰智, 長尾隆志, 坂口和之, 山元正継, 壇原徹,	1991,	20.肥薩火山区火山岩類のフィッショントラック年代.	日本地質学会西日本支部会報,	97,	18
08-219	Nakada, S., Kamata, H.,	1991,	Temporal change in chemistry of magma source under Central Kyushu, Southwest Japan: progressive contamination of mantle wedge.	Bull Volcanol.,	53,	182-194.
08-225	Blundy, J.D., Shimizu, N.,	1991,	Trace elements evidence for plagioclase recycling in calc-alkaline magmas.	Earth Planet. Sci. Lett.,	102,	178-197.
08-282	Weaver, B.L.,	1991,	The origin of ocean island basalt end-member compositions: trace element and isotopic constraints.	Earth Planet. Sci. Lett.,	104,	381-397.
08-311	van Veen E.H., de Loos-Vollebregt, M.C.T.,	1991,	Kalman filtering for data reduction in inductively coupled plasma atomic emission spectrometry.	Anal. Chem.,	63,	1441-1448.
08-325	Salters, V.J.M., Hart, S.R.,	1991,	The manle sources of oceanic ridges, island and arcs: the Hf-isotope connection.	Earth Planet. Sci. Lett.,	104,	364-380.
08-358	岩井孝幸, 雨貝信治, 中山真一,	1991,	新鮮な花崗岩および砕屑花崗岩中におけるセシウムの移行.	応用地質,	32,	1-63.
08-360	Wright, N., Layer, P.W., York, D.,	1991,	New insights into thermal history from single grain 40Ar/39Ar analysis of biotite.	Earth Planet. Sci. Lett.,	104,	70-79.
08-373	Yanez, P., Ruiz, J., Patchett, P.J., Ortega-Gutierrez, F., Gehrels, G.E.,	1991,	Isotopic studies of the Acatlan complex, southern Mexico: implications for Paleozoic north American tectonics.	Geol. Soc. Amer. Bull.,	103,	817-828.
08-405	Ringwood, A.E.,	1991,	Phase transformations and their bearing on the constitution and dyanamics of the mantle.	Geochim et Cosmochim Acta,	55,	2083-2110.
08-434	Tatsumi, Y., Kimura, N.,	1991,	Backarc extension versus continental breakup: petrological aspect for active rifting.	Tectonophysics,	197,	127-137.
08-452	Yuasa, M., Murakami, F., Saito, E., Watanabe, K.,	1991,	Submarine topography of seamounts on the volcanic front of the Izu-Ogasawara (Bonin) arc.	Bull Geol. Surv. Jap.,	42,	703-743.
09-018	木村政昭, 門馬大和, 松本剛, 青木美	1991,	沖縄トラブ東縁(ケラマ鞍部)のテクトニクス.	海洋科学技術センター試験研究報告,		131-145.
09-079	Rutherford, M.J., Johnson, M.C.,	1991,	Comment on Blundy and Holland's (1990) "Calcic amphibole equilibria and new amphibole-plagioclase geothermometer"	Contrib. Mineral. Petrol.,	111,	266-268.
10-043	Klaus, A., Taylor, B.,	1991,	Submarine canyon development in the Izu-Bonin forearc: A seaMARC II and seismic survey of Aoga Shima canyon.	Marine Geophysical Researches,	13,	131-152.
10-087	Ishii, T.,	1991,	Lava-flow and subvolcanic magma reservoir composition trends in the Ca-poor pyroxenes of Hakone volcano, Japan.	J. Petrol.,	32,	429-450.
10-156	Brophy, J.G.,	1991,	Composition gaps, critical crystallinity, and fractional crystallization in orogenic (calc-alkaline) magmatic systems.	Contrib. Mineral. Petrol.,	109,	173-182.

(Marine volcanology, Kumamoto Univ.)

- 10-266 RICHARD J ARCULUS, DAVID A. GUST, AND IKUO KUSHIRO 1991, Fuji and Hakone. National geographic research and exploration 7, 276-309.
- 10-288 Cole, P.D., 1991, Migration direction of sand-wave structures in pyroclastic surge deposits: Implications for depositional processes. Geology, 19, 1108-1111
- 10-467 Hiromitsu Yamagishi, 1991, Morphological features of Miocene submarine coherent lavas from Morphological features of Miocene submarine coherent lavas from the "Green Tuff" basins: examples from basaltic and andesitic rocks from the Shimokita Peninsula, northern Japan. Bull volcanol, 53, 173-181.
- 99N-15 Davidson, J. P., 1991, Comment and reply on "Roll of subduction erosion in the generation of andean magmas": Geol., 19, 1054-1056.
- 99N-16 Hole, M. J., Rogers, G., Saunders, A. D. and Storey, M., 1991, Relation between alkalic volcanism and slab-window formation: Geology, 19, 657-660.
- 99N-17 McCulloch, M. T. and Gamble, J. A., 1991, Geochemical and geodynamical constraints on subduction zone magmatism: Earth Planet. Sci. Lett., 102, 358-374.
- 99N-18 Blundy, J. D. and Shimizu, N., 1991, Trace element evidence for plagioclase recycling in calc-alkaline magmas: Earth Planet. Sci. Lett., 102, 178-197.
- 99N-22 Flagler, P. A. and Spray, J. G., 1991, Generation of plagiogranite by amphibolite anatexis in oceanic shear zone: Geol., 19, 70-73.
- 99N-27 Creaser, R. A., Price, R. C. and Wormald, R. J., 1991, A-type granites revisited: Assessment of a residual-source model: Geol., 19, 163-166.
- 99N-35 Creaser, R. A., and White, A. J. R., 1991, Yardea dacite: Large-volume, high-temperature felsic volcanism from the Middle Proterozoic of south Australia: Geol., 19, 48-51.
- 99N-68 Tatsumoto, M. and Nakamura, Y., 1991, DUPAL anomaly in the Sea of Japan: Pb, Nd, and Sr isotopic variations at the eastern Eurasian continental margin: Geochim. Cosmochim. Acta, 55, 3697-3708.
- 99N-71 Schuraytz, B. C., Vogel, T. A. and Younker, L. W., 1991, Comment and reply on "Nd isotopic gradients in upper crustal magma chambers: Evidence for in situ magma-wall-rock interaction" Geol., February, 185-187.
- 99N-76 Hedenquist, J. W. and Aoki, M., 1991, Meteoric interaction with magmatic discharges in Japan and the significance for mineralization: Geology, 19, 1041-1044.
- 99N-77 Fournelle, J. and Marsh, B. D., 1991, Shishaldin Volcano: Aleutian high-alumina basalts and the question of plagioclase accumulation: Geol., 19, 234-237.
- 99N-78 Dennis, A. J. and Shervais, J. W., 1991, Arc rifting of the Carolina terrane in northwestern South Carolina: Geol., 19, 226-229.
- 99S-103 Stern, C. R., 1991, Role of subduction erosion in the generation of Andean magmas: Geol., 19, 78-81.
- 99S-14 Richards, J. P., McCulloch, M. T., Chappell, B. W. and Kerrich, R., 1991, Sources of metals in the Porgera gold deposit, Papua New Guinea: Evidence from alteration, isotope, and noble metal geochemistry: Geochim. Cosmochim. Acta., 55, 565-580.
- 99S-163 Nishiizumi, K., Kohl, C. P., Arnold, J. R., Klein, J., Fink, D. and Middleton, R., 1991, Cosmic ray produced <sup>10</sup>Be and <sup>26</sup>Al in Antarctic rocks: Exposure and erosion history: Earth Planet. Sci. Lett., 104, 440-454.
- 99S-164 Lal, D., 1991, Cosmic ray labeling of erosion surfaces: In situ nuclide production rates and erosion models: Earth Planet. Sci. Lett., 104, 424-439.
- 99S-29 Garwin, L., 1991, Smoke signals from the deep: Nat., 351, 699-701.
- 99S-37 Verma, S. P., Carrasco-Nunez, G. and Milan, M., 1991, Geology and geochemistry of Amealco caldera, Oro., Mexico: J. Volcanol. Geotherm. Res., 47, 105-127.
- 99Y-115 Peterson, J. W., Chacko, T. and Kuehner, S. M., 1991, The effects of fluorine on the vapor-absent melting of phlogopite + quartz: Implication for deep-crustal processes: American Mineralogist., 76, 470-476.
- 99Y-116 Housh, T. B. and Luhr, J. F., 1991, Plagioclase-melt equilibria in hydrous systems: American Mineralogist., 76, 477-492.
- 99Y-117 Allen, C. M., 1991, Local equilibrium of mafic enclaves and granitoids of the Turtle pluton, southeast California: Mineral, chemical, and isotopic evidence: American Mineralogist., 76, 574-588.
- 99Y-120 Anderson, Jr., A. T., 1991, Hourglass inclusions: Theory and application to the Bishop Rhyolitic Tuff: American Mineralogist., 76, 530-547.
- 99Y-121 Carlson, W. D. and Johnson, C. D., 1991, Coronal reaction textures in garnet amphibolites of the Llano Uplift: American Mineralogist., 76, 756-772.
- 99Y-20 Bea, F., 1991, Geochemical modeling of low melt-fraction anatexis in a peraluminous system: The Pena Negra Complex (central Spain): Geochimica et Cosmochimica Acta, 55, 1859-1874.
- 99Y-28 Vyhnal, C. R., McSween, Jr, H. Y. and Speer, J. A., 1991, Hornblende chemistry in southern Appalachian granitoids: implications for aluminum hornblende thermobarometry and magmatic epidote stability: American Mineralogist., 76, 176-188.
- 99Y-29 Brophy, J. G., 1991, Composition gaps, critical crystallinity, and fractional crystallization in orogenic (calc-alkaline) magmatic systems: Contrib. Mineral. Petrol., 109, 173-182.
- 99Y-30 Nakao, S. and Yamamoto, T., 1991, Chemical variation of magmas at Izu-Oshima volcano, Japan: plagioclase-controlled and differentiated magmas: Bull. Volcanol., 53, 112-120.
- 99Y-58 Rock, N. M. S., Carroll, G. W., Wheatley, M. R. and Williams, K. L., 1991, MacSuite: An integrated compendium of geoscientific programs for the Apple Macintosh: American Mineralogist., 76, 2013-2019.
- 10-501 Peter W. Lipman, 1991, Incremental assembly and prolonged consolidation of Cordilleran magma chambers: Evidence from the Southern Rocky Mountain volcanic field. Geosphere, 3, 42-70.
- 10-503 C. A. Chesner, W. I. Rose, A. Deino, R. Drake and J. A. Westgate, 1991, Eruptive history of Earth's largest Quaternary caldera (Toba, Indonesia) clarified. Geology, 19, 200-203.
- 10-506 B. Harte, D.R.M. Pattison and C.M. Linklater 1991, 9 Field Relations and Petrography of Partially Melted Pelitic and Semi-Pelitic Rocks. G. YoII, 1. Thpel, D.R.M. Pattisoll, F. Seifert Equilibrium and Kinetics in Contact Metamorphism OSpringer-Verlag Berlin Heidelberg
- 10-531 木村政昭\*1 門馬大和\*2 松本剛\*2 青木美澄\*1 大塚清\*2 満津巨彦\*2 田中裕一郎\*3 小野朋典\*1 1991, 沖縄トラフ東縁(ケラマ鞍部)のテクトニクス 海洋科学技術センター試験研究報告, 131-143.
- 10-566 Tokihiko Matsuda and Yoshihiro Kinugasa 1991, Active faults in Japan. Episodes, 14, 199.
- 10-567 K. Tamaki and E. Honza 1991, Global tectonics and formation of marginal basins : Role of the western Pacific. Episodes, 14, 224-230.
- 10-579 Roland von Huene, David W. Scholl, 1991, Observations at convergent margins concerning sediment subduction, subduction erosion, and the growth of continental crust. Reviews of Geophysics 29, 279-316
- 99-0076 Chappell, B. W. and White, A.J.R., 1991, Restite enclaves and the restite model: Didier J. and Barbarin B (eds), Enclaves and Granite Petrology, Elsevier, Amsterdam, 375-381.



99-0088	Creaser, R.A., Price, R.C. and Wormald, R.J.,	1991,	A-type granites revisited: assessment of a residual-source model	Geology,	19,	163-166.
99-0219	Metz, J.M. and Mathood, G.A.,	1991,	Development of the Long Valley, California, magma chamber recorded in precaldera rhyolite lavas of Glass Mountain:	Contrib. Mineral. Petrol.,	106,	379-397.
99-0241	Kushiro, I.,	1991,	Origin of volcanic rocks in Japanese island arc:	Episode,	14,	258-263.
99-0242	Arculus, R.J., Gust, D.A. and Kushiro, I.,	1991,	Fuji and Hakone:	National Geog. Res. Explor., ?	7,	276-309.
99-0248	Shimazu, M., Kawano, Y., Kaji, K. and Igarashi, S.,	1991,	Chemical compositions and Sr, Nd isotope ratios of gabbroic xenoliths in calc-alkali andesites of Naeba and Torikabuto volcanoes, North Fossa Magna, central Japan:	J. Min. Petr. Econ. Geol.,	86,	53-64.
99-0259	Hashimoto, M.,	1991,	Geology of Japan:	Mashimoto, M. (eds), Geology of Japan.	TERRAPUB , Tokyo.	pp. 249
99-0260	Kimura, T., Hayami, I. and Yoshida, S.,	1991,	Geology of Japan:		University of Tokyo press	pp.287
99-0261	Urabe, T. and Marumo, K.,	1991,	A new model for Kuroko-type deposits of Japan:	Episode,	14,	246-251.
99-0262	Kikuchi, Y., Tono, S. and Funayama, M.,	1991,	Petroleum resources in the Japanese island-arc setting:	Episode,	14,	236-241.
99-0263	Banno, S. and Nakajima, T.,	1991,	Metamorphic belts of Japan:	Episode,	14,	280-285.
99-0264	Ishihara, S. and Sasaki, A.,	1991,	Ore deposits related to granitic magmatism in Japan: A magmatic viewpoint:	Episode,	14,	286-292.
99-0265	Ueda, S.,	1991,	the Japanese island arc and the subduction process:	Episode,	14,	190-198.
99-0301	Stern, C.R.,	1991,	Comment on "Crustal contributions to arc magmatism in the Andes of Central Chile" by W. Hildreth and S. Moorbath:	Contrib. Mineral. Petrol.,	108,	241-246.
99-0306	Marquart, G.,	1991,	Fine element modeling of lower crustal flow: a model for crustal thickness variations:	J. Geophys. Res.,	96,	20331-20335.
99-0310	Lameyre, J. and Bonin, B.,	1991,	Granites in the main plutonic series:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	3-17.
99-0311	Didier, J. and Barbarin, B.,	1991,	The different types of enclaves in granites-Nomenclature:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	19-23.
99-0312	Didier, J. and Maury, R.C.,	1991,	The outstanding contribution of Alfred Lacroix to the study of enclaves in magmatic rocks:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	25-32.
99-0313	Le Fort, P.,	1991,	Enclaves of the Miocene Himalayan leucogranites:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	35-46.
99-0314	Didier, J.,	1991,	The main types of enclaves in the Hercynian granitoids of the Massif Central, France:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	47-61.
99-0315	Sabatier, H.,	1991,	Vaugnerites: special lamprophyre-derived mafic enclaves in some Hercynian granites from Western and Central Europe:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	63-81.
99-0316	Fershtater, G.B. and Borodina, N.S.,	1991,	Enclaves in the Hercynian granitoids of the Ural Mountains, U.S.S.R.:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	83-94.
99-0317	Liankun, S. and Kuirong, Y.,	1991,	A two-stage crust-mantle interaction model for mafic microgranular enclaves in the Daning granodiorite pluton, Guangxi, China:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	95-112.
99-0318	Chen, Y., Chappell, B.W. and White, A.J.R.,	1991,	Mafic enclaves of some I-type granites of the Palaeozoic Lachlan Fold Belt, southeastern Australia:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	113-124.
99-0319	Stephens, W.E., Holden, P. and Henney, P.J.,	1991,	Microdioritic enclaves within the Scottish Caledonian granitoids and their significance for crustal magmatism:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	125-134.
99-0320	Barbarin, B.,	1991,	Enclaves of the Mesozoic calc-alkaline granitoids of the Sierra Nevada Batholith, California:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	135-153.
99-0321	Bussel, M.A.,	1991,	Enclaves in the Mesozoic and Cenozoic granitoids of the Peruvian Coastal Batholith:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	155-166.
99-0322	Bussy, F.,	1991,	Enclaves of the Late Miocene Monte Capanne granite, Elba Island, Italy:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	167-178.
99-0323	Bonin, B.,	1991,	The enclaves of alkaline anorogenic granites: an overview:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	179-189.
99-0324	Platevoet, B. and Bonin, B.,	1991,	Enclaves and mafic-felsic associations in the Permian alkaline province of Corsica, France: physical and chemical interactions between coeval magma:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	191-204.
99-0325	Bébien, J.,	1991,	Enclaves in plagiogranites of the Guevgueli ophiolitic complex, Macedonia, Greece:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	205-219.
99-0326	Gourgaud, A.,	1991,	Comagmatic enclaves in lavas from the Mont-Dore composite volcano, Massif Central, France:	In J. Didier and B. Barbarin (editors), Enclaves and granite petrology,	Elsevier, Sci. Pub., B.V., Netherland	221-233.

- |         |  |       |  |   |                                       |          |
|---------|--|-------|--|---|---------------------------------------|----------|
| 99-0327 | Koyaguchi, T.,   | 1991, | Enclaves in volcanic rocks from Japan:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 235-250. |
| 99-0328 | Barbarin, B. and Didier, J.,                             | 1991, | Macroscopic features of mafic microgranular:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 253-262. |
| 99-0329 | Fernandez, A.N. and Barbarin, B.,                        | 1991, | Relative rheology of coeval mafic and felsic magmas: nature of resulting interaction processes and shape and mineral fabrics of mafic microgranular enclaves:            | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 263-275. |
| 99-0330 | Vernon, R.H.,  | 1991, | Interpretation of microstructures of microgranitoid enclaves:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 277-291. |
| 99-0331 | Debon, F.,   | 1991, | Comparative major element chemistry in various "microgranular enclave-plutonic host" pairs:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 293-312. |
| 99-0332 | Tindle, A.G.,  | 1991, | Trace element behaviour in microgranular enclaves from granitic rocks:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 313-331. |
| 99-0333 | Pin, C.,   | 1991, | Sr-Nd isotopic study of igneous and metasedimentary enclaves in some Hercynian granitoids from the Massif Central, France:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 333-343. |
| 99-0334 | Fourcade, S. and Javoy, M.,                              | 1991, | Sr-Nd-O isotopic features of mafic microgranular enclaves and host granitoids from the Pyrenees, France: evidence for their hybrid nature and inference on their origin: | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 345-364. |
| 99-0335 | Barbarin, B. and Didier, J.,                             | 1991, | Review of the main hypotheses proposed for the genesis and evolution of mafic microgranular enclaves:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 367-373. |
| 99-0336 | Chappell, B.W. and White, A.J.R.,                        | 1991, | Restite enclaves and the restite model:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 375-382. |
| 99-0337 | Pitcher, W.S.,   | 1991, | Synplutonic dykes and mafic enclaves:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 383-391. |
| 99-0338 | Wiebe, R.A.,   | 1991, | Commingling of contrasted magmas and generation of mafic enclaves in granitic rocks:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 393-402. |
| 99-0339 | Blake, S. and Koyaguchi, T.,                             | 1991, | insights on the magma mixing model from volcanic rocks:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 403-413. |
| 99-0340 | Koyaguchi, T. and Blake, S.,                             | 1991, | Origin of mafic enclaves: constraints on the magma mixing model from fluid dynamic experiments:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 415-429. |
| 99-0341 | Hibbard, M.J.,   | 1991, | Textural anatomy of twelve magma-mixed granitoid systems:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 431-444. |
| 99-0342 | Orisin, J.-B, Cocirta, C. and Zorpi, M.-J.,              | 1991, | Genesis of mafic microgranular enclaves through differentiaton of basic magmas, mingling and chemical exchanges with their host granitoid magmas:                        | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 445-464. |
| 99-0343 | Ayrton, S. N.,   | 1991, | Appinites, lamprophyres and maficmicrogranular enclaves: three related products of interaction between acid and basic magmas:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 465-476. |
| 99-0344 | Barbey, P.,  | 1991, | Restites in migmatites and autochtonous granites: their main features and their genesis:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 479-492. |
| 99-0345 | White, A.J.R., Chappell, B.W. and Wyborn, D.,            | 1991, | Enclaves of S-type granites in the Lachlan Fold Belt, southeastern Australia:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 493-507. |
| 99-0346 | Montel, J.-M., Didier, J. and Pichavant, M.,             | 1991, | Origin of surmicaceous enclaves in intrusive granites:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 509-528. |
| 99-0347 | Maury, R.C. and Didier, J.,                              | 1991, | Xenoliths and the role of assimilation:  | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 529-542. |
| 99-0348 | Barbarin, B. and Didier, J.,                             | 1991, | Conclusions: enclaves and granite petrology:   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | 545-549. |
| 99-0349 | Didier, J.,  | 1991, | Preface,   | In J. Didier and B. Barbarin (editors), Enclaves and granite petrology, | Elsevier, Sci. Pub., B.V., Netherland | V-X      |
| 99-0370 | Wada, K.,  | 1991, | Mixing and evolution of magmas at Me-Akan volcano, eastern Hokkaido, Japan (in Japanese, with English abstract):   | Bull. Volcanol. Soc. Japan,   | 36,                                   | 61-78.   |
| 99-0401 | Furukawa, M.,  | 1991, | Formation age of the Ryukyu arc Okinawa Trough system (In Japanese, with English abstract):  | J. Grogr.,  | 100,                                  | 552-564. |
| 99-0408 | Japanese DELP Research group on back-arc basins (JDRGBB) | 1991, | Report on DELP 1988 cruises in the Okinawa Trough Part 1. general outline:   | Bull. Earthq. Res. Inst.,   | 66,                                   | 1-15.    |

- 99-0409 Hirata, N., Kinoshita, H., Katao, H., Baba, H., Kaiho, Y., Koresawa, S., Ono, Y. and Hayashi, K., 1991, Report on DELP 1988 cruises in the Okinawa Trough Part 3. crustal structure of the southern Okinawa Trough: Bull. Earthq. Res. Inst., 66, 37-70.
- 99-0410 Kimura, M., Furukawa, M., Izawa, E., Ishikawa, M., Kuramoto, S., Sakai, H., Uyeda, S. and Makris, J., 1991, Report on DELP 1988 cruises in the Okinawa Trough Part 7. Geologic investigation of the Central rift in the middle to southern Okinawa Trough Bull. Earthq. Res. Inst., 66, 179-209.
- 99-0415 Honma, H., Kusakabe, M., Kagami, H., Iizumi, S., Sakai, H., Kodama, Y. and Kimura, M., 1991, Major and trace element chemistry and D/H, 18O/16O, 87Sr/86Sr and 143Nd/144Nd ratios of rocks from the spreading center of the Okinawa Trough, a marginal back-arc basin: Geochem. J., 25, 121-136.
- 99-0420 Ishikawa, M., Sato, H., Furukawa, M., Kimura, M., Kato, Y., Tsugaru, R. and Shimamura, K., 1991, Report on DELP 1988 cruises in the Okinawa Trough part 6: petrology of volcanic rocks: Bull. Earthq. Res. Inst., 66, 151-177.
- 99-0449 Gardner, J.E., Sigurdsson, H. and Carey, S.N., 1991, Eruption dynamics and magma withdrawal during the plinian phase of the Bishop Tuff eruption, Long Valley Caldera: J. Geophys. Res., 96, 8097-8111.
- 99-0452 Anderson, Jr. A.T., 1991, Hourglass inclusions: theory and application to the Bishop rhyolitic tuff: Am. Miner., 76, 530-547.
- 99-0531 Honza, E., 1991, The Tertiary arc chain in the Western Pacific: Tectonophysics, 187, 285-303.
- 99-0586 Yokoyama, S. and Watanabe, K., 1991, 熊本市および周辺地域の地形・地質の概要と研究課題: 市史研究くまもと第二号 53-72.
- 99-0626 Miura, K., Tsukuda, T., Miura, R., Inoue, Y. and Asano, S., 1991, Deep seismic zone in the western part of the Seto Naikai (Seto Inland Sea) and its surrounding regions, Southwestern Japan (In Japanese, with english abstract): Bull. Earthq. Res. Inst. Univ. Tokyo, 66, 553-570.
- 99-0710 Ogata, M. and Takaoka, N., 1991, K-Ar ages of volcanic rocks from the Taradake area (In Japanese, with English abstract): Bull. volcanol. Soc. Japan, 36, 187-191.
- 99-0724 Nakada, S., 1991, Magmatic processes in titanite-bearing dacites, central Andes of Chile and Bolivia: Am. Miner., 76, 548-560.
- 99-0725 Nakada, S. and Tanaka, M., 1991, Magmatic processes of Unzen volcano (In Japanese, with English abstract): Bull. volcanol. Soc. Japan, 36, 113-121.
- 99-0728 Nakada, S. and Kamata, H., 1991, Temporal change in chemistry of magma source under Central Kyushu, Southwest Japan: progressive contamination of mantle wedge: Bull. volcanol., 53, 182-194.
- 99-0732 Ohta, T., 1991, The evolutionary history of the eastern and the central area of Kuju volcano group (In Japanese with English abstract): J. Mineral. Petrol. Econ. Geol., 86, 243-263.
- 99-0734 Ohta, T. and Aoki, K., 1991, origin of andesitic magma in Yufu-Tsurumi volcano group -A binary mixing model- (In Japanese, with English abstract): J. Mineral. Petrol. Econ. Geol., 86, 1-15.
- 99-0756 Tamaki, K. and Honza, E., 1991, Global tectonics and formation of marginal basins: role of the western Pacific: Episodes, 14, 224-230.
- 99-0762 Kodama, K., Ozawa, T., Inoue, K., Maeda, Y. and Takeuchi, T., 1991, Paleomagnetism and Post-Middle Miocene counter-clockwise rotation of Tanegashima island off Kyushu, Japan: J. Geomag. Geoelectr., 43, 721-740.
- 99-0764 Koyama, M., 1991, Tectonic evolution of the Philippine Sea plate based on paleomagnetic results (In Japanese, with English abstract): J. Geogr., 100, 628-641.
- 99-0778 Ishikawa, M., Sato, H., Furukawa, M., Kimura, M., Kato, Y., Tsugaru, R. and Shimamura, K., 1991, Report on DELP 1988 cruises in the Okinawa Trough Part 6: petrology of volcanic rocks Bull. Earthq. Res. Inst., 66, 151-177.
- 99-0779 McCallum, I.S. and Charette, M.P., 1991, Formation age of the Ryukyu arc-Okinawa Trough system (In Japanese, with English abstract): J. Geogr., 100, 552-564.
- 99-0819 Watanabe, K., 1991, 阿蘇火山中岳の火山活動 熊本地学会誌 98, 2-13.
- 99-0842 Sisson, T.W., 1991, Pyroxene-high silica rhyolite trace element partition coefficients measured by ion microprobe: Geochem. Cosmochim. Acta., 55, 1575-1585.
- 99-0869 Hayakawa, Y. and Imura, R., 1991, Eruptive history of the past 80,000 years of Aso Volcano and the 1989 eruption (In Japanese, with English abstract): Bull. Volcanol., Soc. Japan, 36, 25-35.
- 99-0915 Peterson, J.W., Chacko, T. and Kuehner, S.M., 1991, The effects of fluorine on the vapor-absent melting of phlogopite+quartz: implications for deep-crustal processes: Am. Miner., 76, 470-476.
- 99-0926 Matsuzaka, S., Tobita, M., Nakahori, Y., Amagi, J. and Sugimoto, Y., 1991, Detection of Philippine Sea plate motion by very long baseline interferometry: Geophys. Res. Lett., 18, 1417-1419.
- 99-0933 Marsh, B.D., Gunnarsson, B., Congdon, R. and Carmody, R., 1991, Hawaiian basalt and Icelandic rhyolite: indicators of differentiation and partial melting: Geologische Rundschau 80, 481-510.
- 99-0958 Eberz, G.W., Clarke, D.B., Chatterjee, A.K. and Giles, P.S., 1991, Chemical and isotopic composition of the lower crust beneath the Meguma Lithotectonic Zone, Nova Scotia: evidence from granulite facies xenoliths: Contrib. Mineral. Petrol., 109, 69-88.
- 99-0973 Shimazu, M., Kawano, Y., Kaji, K. and Igarashi, S., 1991, Chemical compositions and Sr, Nd isotope ratios of gabbroic xenoliths in calc-alkali andesites of Naeba and Torikabuto volcanoes, North Fossa Magna, central Japan: J. Mineral. Petrol. Econ. Geol., 86, 53-64.
- 99-1016 Lloyd, F.E., Edgar, A.D., Forsyth, D.M. and Barnett, R.L., 1991, The paragenesis of upper-mantle xenoliths from the Quaternary volcanics south-east of Gees, West Eifel, Germany: Mineral. Mag., 55, 95-112.
- 99-1052 Dostal, J., Zhi, X., Muehlenbachs, K., Dupuy, C. and Zhai, M., 1991, Geochemistry of Cenozoic alkali basaltic lavas from Shandong Province, eastern China: Geochem. J., 25, 1-16.
- 99-1057 Zhang, M., Menzies, M.A., Suddaby, P. and Thirlwall, M.F., 1991, EM1 signature from within the post-Archaean subcontinental lithospheric mantle: isotopic evidence from the potassic volcanic rocks in NE China: Geochem. J., 25, 387-398.
- 99-1062 Jolivet, L., Huchon, P. and Brun, J.P., 1991, Arc deformation and marginal basin opening: Japan Sea as a case study: J. Geophys. Res., 96, 4367-4374.
- 99-1070 Yamamoto, T., 1991, Late Cenozoic dike swarms and tectonic stress field in Japan (In Japanese, with English abstract): Bull. Geol. Surv. Japan, 42, 131-148.
- 99-1071 Yoshikawa, M., 1991, Formation age of the Ryukyu arc-Okinawa Trough system (In Japanese, with English abstract): Jour. Geography, 100, 552-564.
- 99-1074 Kamiya, S., 1991, 国立大学観測網地震カタログデータから求めた日本列島下の3次元P波速度構造: Bull. earthq. Res. Inst., 66, 383-417.
- 99-1093 Schärer, U., 1991, Rapid continental crust formation at 1.7 Ga from a reservoir with chondritic isotope signatures, eastern Labrador: Earth Planet. Sci. Lett., 102, 110-133.
- 99-1124 Isozaki, Y. and Maruyama, S., 1991, 日本におけるプレート造山論の歴史と日本列島の新しい地体構造区分: 地学雑, 100, 697-761.
- 99-1127 Fujimaki, H., Xu, H. and Aoki, K., 1991, Temporal variations of Sr isotopic compositions for the rocks from Dogo, Oki islands, Shimane Prefecture (In Japanese, with English abstract): J. Mineral. Petrol. Econ. Geol., 86, 16-26.

99-1136	Ebadi, A. and Johannes, W.,	1991,	Beginning of melting and composition of first melts in the system Qz-Ab-Or-H <sub>2</sub> O-Co <sub>2</sub> :	Contrib. Mineral. Petrol.,	106,	286-295.
99-1141	La Tourrette, T.Z., Burnett, D.S. and Bacon, C.R.,	1991,	Uranium and minor element partitioning in Fe-Ti oxides and zircon from partially melted granodiorite, Crater Lake, Oregon:	Geochem. Cosmochim. Acta.,	55,	457-469.
99-1177	Wolf, M.B. and Wyllie, P.J.,	1991,	Dehydration-melting of solid amphibolite at 10 kbar: textural development, liquid interconnectivity and applications to the segregation of magmas:	Mineral. Petrol.,	44,	151-179.
99-1181	Yanagi, T.,	1991,	Constitution and function of the chamber system under Sakurajima Volcano (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan,	36,	311-317.
99-1187	Yoshida, A.,	1991,	Correlation between intermediate-depth seismicity and shallow seismicity in Kyushu island, Southwestern Japan and its tectonic background (In Japanese, with English abstract):	J. Geogra.,	100,	776-782.
99-1194	Kao, H. and Chen W.-P.,	1991,	Earthquakes along the Ryukyu-Kyushu arc: strain segmentation, lateral compression and the thermomechanical state of the plate interface:	J. Geophys. Res.,	96,	2144-21485.
99-1217	Machida, H.,	1991,	Recent progress in tephra studies in Japan:	The Quat. Res.,	30,	141-149.
99-1245	Saunders, A. and Tarney, J.,	1991,	Back-arc basins:	In Floyd, P.A. (Editor), Oceanic basalt ,	Blackie and Son Ltd, Glasgow	219-263.
99-1317	Fournelle, J. and Marsh, B. D.,	1991,	Shishaldin volcano: Aleutian high-alumina basalts and the question of plagioclase accumulation:	Geology,	19,	234-237.
99-1320	Davidson, J.P.,	1991,	Comment and Reply on "Role of subduction erosion in the generation of Andean magmas"	Geology,	19,	1054-1056.
99-1322	Schraytz, B.C., Vogel, T.A. and Younker, L.W.,	1991,	Comment and Reply on " Nd isotopic gradients in upper crustal magma chambers: evidence for in situ magma-wall-rock interaction"	Geology,		185-187.
99-1325	Rapp, R.T. , Watson, E.B. and Miller, C.F.,	1991,	Partial melting of amphibolite/eclogite and the origin of Archean trondhjemites and tonalites:	Precambrian Res.,	51,	1-25.
99-1366	Nohda, S., Chen, H. and Tatsumi, Y.,	1991,	Geochemical stratification in the upper mantle beneath NE China:	Geophys. Res. Lett.,	18,	97-100.
99-1377	BoneB, M., Heumann, K.G. and Haack, U.,	1991,	Cl, Br and I analyses of metamorphic and sedimentary rocks by isotope dilution mass spectrometry:	Contrib. Mineral. Petrol.,	107,	94-99.
99-1380	Grabman, K.B. and Popp, R.K.,	1991,	Experimental investigation of talc solubility in H <sub>2</sub> O-MgCl <sub>2</sub> -NaCl-HCl fluids in the range 500-700 C, 2kb:	Geochim. et Cosmochim. Act.,	55,	2819-2829.
99-1381	Koster van Groos , A.F.,	1991,	Differential thermal analysis of the liquidus relations in the system NaCl-H <sub>2</sub> O to 6 kbar:	Geochim. et Cosmochim. Act.,	55,	2811-2817.
99-1439	遠藤邦彦,	1991,	テフラ噴火の地表へのインパクト.	第四紀研究,	30,	399-
99-1440	三上岳彦,	1991,	火山噴火と気候変動.	第四紀研究,	30,	409-417.
99-1441	森脇広, 新東晃一, 小林哲夫,	1991,	九州地方の第四紀テフラ研究.	第四紀研究,	30,	329-338.
99-1442	町田洋,	1991,	日本におけるテフラ研究の課題 - 基調報告.	第四紀研究,	30,	325-328.
99-1444	小田静夫,	1991,	考古学からみた噴火が人類・社会に及ぼす影響 - K-AhとATの噴火 -	第四紀研究,	30,	427-
99-1445	辻誠一郎, 小杉正人	1991,	始良Tn火山灰(AT)噴火が生態系に及ぼした影響	第四紀研究,	30,	419-
99-1446	町田洋, 杉原重夫, 小崎 尚,	1991,	総合討論: テフラ - 第四紀研究に果たす多様な役割.	第四紀研究,	30,	447-
99-1447	早田勉, 八木浩司,	1991,	東北地方の第四紀テフラ研究.	第四紀研究,	30,	369-378.
99-1448	鈴木毅彦, 早津健二	1991,	関東 - 中部地方の第四紀テフラ研究 - とくに中期更新世テフラの重要性 -	第四紀研究,	30,	361-368.
99-1449	竹村恵二, 横山卓雄, 西田史朗, 壇原徹,	1991,	近畿地方の第四紀テフラ研究.	第四紀研究,	30,	353-360.
99-1450	三浦清, 林正久,	1991,	中国・四国地方の第四紀テフラ研究	第四紀研究,	30,	339-351.
99-1451	早川由紀夫,	1991,	テフラとレスからみた火山の噴火と噴火史.	第四紀研究,	30,	391-389.
12-128	B. R. Frost & D. H. Lindsley	1991,	Chapter 12 Occurrence of iron-titanium oxides in igneous rocks.	Rev. Mineral.,	25,	433-486.
12-144	Jillie D. Morris,	1991,	APPLICATIONS OF COSMOGENIC <sup>10</sup> Be TO PROBLEMS IN THE EARTH SCIENCES.	Annu. Rev. Earth Planet. Sci.,	19,	313-350.
12-147	DAN McKENZIE AND R. K. O'NIONS	1991,	Partial Melt Distributions from Inversion of Rare Earth Element Concentrations.	Jour. Petrol.,	32,	1021-1091.
12-189	TODD B. I-IOUSH,* JAMES F. LUHR	1991,	Plagioclase-melt equilibria in hydrous systems.	Amer. Mine.,	76,	477-492.
12-192	B. D. MARSH, B. GUNNARSSON, R. CONGDON and R. CARMODY, Baltimore	1991,	Hawaiian basalt and Icelandic rhyolite: Indicators of differentiation and partial melting.	Geologische Rundschau	29252	481-510.
12-203	R.W. Kay and S Mahlburg-Kay, Ithaca,	1991,	Creation and destruction of lower continental crust.	Geologische Rundschau	29252	259-278.
12-214	S. R. HART I and M. R. REID2	1991,	Rb/Cs fractionation: A link between granulite metamorphism and the S-process.	Geochimica et Cosmochimica Acta,	55,	2379-2383.
12-316	David A. Clague, James G. Moore,	1991,	Comment and Reply on "Mahukona: The missing Hawaiian volcano"	Geology,		1049-
12-328	RODEY BATIZA	1991,	11 Pacific ocean crust	P.A. Floyd (ed.), oceanic basalts	Blackie and Son Ltd,	264-288.
12-347	Toshio Kimura, Itaru Hayami and Shizuo Yoshida	1991,	Chapter 3. THE FORMATION AND GEOLOGICAL STRUCTURE OF JAPAN	Geology of Japan, Kimura et al. (ed.)	University of Tokyo Press	201-275.
12-348	Toshio Kimura, Itaru Hayami and Shizuo Yoshida	1991,	Geology of Japan	Geology of Japan, Kimura et al. (ed.)	University of Tokyo Press	287 p.
12-390	K.P. Jochum, N.T. Arndt * and A.W. Hofmann	1991,	Nb-Th-La in komatiites and basalts: constraints on komatiite petrogenesis and mantle evolution.	Earth and Planetary Science Letters,	107,	272-289.
12-395	David A Clague and James G Moore	1991,	Geology and petrology of Mahukona Volcano, Hawaii.	Bull Volcanol,	53,	159-172.
13-067	C. Kent Brooks, Lotte Melchior Larsen and Troels F.D. Nielsen	1991,	Importance of iron-rich tholeiitic magmas at divergent plate margins: A reappraisal.	Geology,	19,	269-272.
13-081	古川雅英	1991,	琉球弧と沖縄トラフの発達史 - とくに沖縄トラフの形成年代について -	地学雑誌,	100,	552-564.
09-125	木村政昭・大森保・井沢英二・加藤祐三、小野典明、田中武男、小池隆之、西岡聖兒、	1990、	沖縄トラフ伊是名海穴で新たに見出されたベントシステムおよび熱水性鉱床。	海洋科学技術センター試験研究報告		87-98.
09-127	加藤幸弘、	1990、	伊是名海穴の活動的熱水性鉱床南方に位置する尾根の地形と地質—1989年の潜航結果—。	海洋科学技術センター報告		27-32.
09-128	門馬大和、深海調査グループ、堀田宏、	1990、	沖縄トラフ伊是名海穴における熱水活動の分布。	海洋科学技術センター試験研究報告		1-9.
12-216	野津憲治	1990、	マグマの起源: 地球化学的アプローチ2.	火山第2集	34、	s 39- s
13-019	松井和典	1990、	「小値賀島および肥前平島」図幅地域の地質	地域地質研究報告書5万分の1図幅 鹿児島()		63 p.

- 13-020 松井和典 1990、 5万分の一地質図 小値賀島および肥前平島 地域地質研究報告書5万分の1図幅 鹿児島()- 地質調査所、
- 00-0240 Francheteau, J., Armijio, R., Cheminee, J.L., Hekinian, R., Lonsdale, P. and Blum, N., 1990、 1 Ma East Pacific Rise oceanic crust and uppermost mantle exposed by rifting in Hess Deep (equatorial Pacific Ocean). Earth Planet. Sci. Lett., 101, 281-295.
- 02-0009 Blundy, J.D., Holland, T.J.B., 1990、 Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer. Contrib. Mineral. Petrol., 104, 208-224.
- 02-0067 Wescott, W.A., Ethridge, F.G. 1990、 Fan deltas -alluvial fans in coastal settings. In: Alluvial Fans: A Field Approach (eds A.H. Rachocki & M. Church) Wiley, Chichester. 195-211
- 02-0102 Borgia, A., Burr, J., Montero, W., Morales, L.D., and Alvarado, G.E., 1990、 Fault propagation folds induced by gravitational failure and slumping of the central Costa Rica volcanic range: implications for large terrestrial and Martian volcanic edifices. J. Geophys. Res., 95, 14357-14382.
- 02-0149 Clague, D.A., Holcomb, R.T., Sinton, J.M., Detrick, R.S., and Torresan, M.E., 1990、 Pliocene and Pleistocene alkalic flood basalts on the seafloor north of the Hawaiian islands. Earth Planet. Sci. Lett., 98, 175-191.
- 03-0060 Rowland, S.K., and Walker, G.P.L., 1990、 Pahoeoe and aa in Hawaii: volumetric flow rate controls the lava structure. Bull. Volcanol., 52, 615-628.
- 03-0092 Clague, D.A., Holcomb, R.T., Sinton, J.M., Detrick, R.S., and Torresan, M.E., 1990、 Pliocene and Pleistocene alkalic flood basalts on the seafloor north of the Hawaiian islands. Earth Planet. Sci. Lett., 98, 175-191.
- 03-0152 Gill, J., Torssander, P., Lapierre, H., Taylor, R., Kaiho, K., Koyama, M., Kusakabe, M., Aitchison, J., Cisowski, S., Dadey, K., Fujioka, K., Klaus, A., Lovell, M., Marsaglia, K., Pezard, P., Taylor, B., and Tazaki, K., 1990、 Explosive deep water basalt in the Sumisu backarc rift. Science, 248, 1214-1217.
- 04-032 Edits: Colella, A. and Prior, D.B., 1990、 Coarse-grained deltas. Special Pub. Int. Assoc. Sediment 10, Blackwell Scientific Publications 159-174.
- 04-071 Cas, R.A.F., Allen, R.L., Bull, S.W., Clifford, B.A., and Wright, J.V., 1990、 Subaqueous, rhyolitic dome-top tuff cones: a model based on the Devonian Bunga Beds, southeastern Australia and a modern analogue. Bull. Volcanol., 52, 159-174.
- 06-1010 Xue, X., Baadsgaard, H., Irving, A.J., Scarfe, C.M., 1990、 Geochemical and isotopic characteristics of lithospheric mantle beneath West Kettle River, British Columbia: evidence from ultramafic xenoliths. J. Geophys. Res., 95, 15879-15891.
- 06-1011 Gunter, W.D., Hoinkes, G., Ogden, P., Pajari, G.E., 1990、 Origin of leucite-rich and sanidine-rich flowlayers in the Lucite Hills Volcanic Field, Wyoming. J. Geophys. Res., 95, 15911-15928.
- 06-1030 Rachocki, A., Church, M.A., 1990、 Alluvial fans: a field approach. Wiley and Sons New York, pp
- 06-1043 Wood, B.J., 1990、 An experimental test of the spinel peridotite oxygen barometer. J. Geophys. Res., 95, 15,845-15,877
- 06-1046 Gill, J.B., Williams, R.W., 1990、 Th isotope U-series studies of subduction-related volcanic rocks. Geochimica et Cosmochimica Acta., 54, 1427-1442.
- 06-1056 Cochran, J.K., McKibbin-Vaughan, T., Dornblaser, M.M., Hirschberg, D., Livingston, H.D., Buesseler, K.O., 1990、 210Pb scavenging in the North Atlantic and North Pacific Oceans. Earth and Planetary Science Letters, 97, 332-352.
- 06-1061 小坂文子, 平林順一, 松田敏二, 大島章一, 土出昌一, 加藤茂, 1990、 伊豆・小笠原弧海域の海底火山活動に伴って噴出した岩石とその付近に産出する火山岩の化学成分. 水路部研究報告, 26,
- 06-1118 谷口宏充, 吉田武義, 青木謙一郎, 1990、 伊豆, 神津島火山噴出物の地球化学. 核研研究報告, 23, 66
- 06-1123 Oxburgh, E.R., 1990、 Some thermal aspects of granulite history. in Granulites and crustal evolution, D. Vielzeuf and Ph. Vidal, (eds), Kluwer Academic Pub. Netherland, 569-580.
- 06-124 Thompson, A.B., 1990、 Heat, fluids, and melting in the granulite facies. Granulites and Crustal Evolution, D. Vielzeuf and Ph. Vidal (eds.), Kluwer Academic Publishers, Netherland, 37-57.
- 06-125 Arculus, R.J., Ruff, L.J., 1990、 Genesis of continental crust: evidence from island arcs, granulites, and exospheric processes. Granulites and Crustal Evolution, D. Vielzeuf and Ph. Vidal (eds.), Kluwer Academic Publishers, Netherland, 7-23.
- 06-126 Reid, M.R., 1990、 Ionprobe investigation of rare earth element distributions and partial melting of metasedimentary granulites. Granulites and Crustal Evolution, D. Vielzeuf and Ph. Vidal (eds.), Kluwer Academic Publishers, Netherland, 507-522.
- 06-127 Fowler, M.B., Harmon, R.S., 1990、 The oxygen isotope composition of lower crustal granulite xenoliths. Granulites and Crustal Evolution, D. Vielzeuf and Ph. Vidal (eds.), Kluwer Academic Publishers, Netherland, 493-506.
- 06-128 Clemens, J.D., 1990、 The granulite-granite connexion. Granulites and Crustal Evolution, D. Vielzeuf and Ph. Vidal (eds.), Kluwer Academic Publishers, Netherland, 25-36.
- 06-129 Vielzeuf, D., Clemens, J.D., Pin, C., Moinet, E., 1990、 Granites, granulites, and crustal differentiation. Granulites and Crustal Evolution, D. Vielzeuf and Ph. Vidal (eds.), Kluwer Academic Publishers, Netherland, 59-85.
- 06-3045 Dellino, P., Frazzetta, G., La Volpe, L., 1990、 Wet surge deposits at La Fossa di Vulcano: depositional and eruptive mechanism. J. Volcanol. Geotherm. Res. 43, 215-233.
- 06-3086 Chough, S.K., Sohn, Y.K., 1990、 Depositional mechanics and sequences of base surge, Songaksan tuff ring, Cheju Island, Korea. Sedimentology, 37, 1115-1135.
- 06-3126 Uehara, K., Taira, K., 1990、 Deep hydrographic structure along 12° N and 13° N in the Philippine Sea. J. Oceanography, 46, 167-176.

- 07-061 菅香世子, 藤岡勘太郎, 1990, 伊豆・小笠原弧北部の火山岩量. 火山, 35, 359-374.
- 07-101 McDonough, W.F., 1990, Constrains on the composition of the continental lithospheric mantle. Earth, Planet., Sci., Lett., 101, 1-18.
- 07-108s McDermott, F., Hawkesworth, C., 1990, The evolution of strontium isotopes in the upper continental crust. Nat., 344, 850-853.
- 07-129F Cameron, K.L., Robinson, J.V., 1990, Comments on "Nd-Sr isotopic compositions of lower crustal xenoliths-Evidence for the origin of mid-Tertiary felsic volcanics in Mexico" By J. Ruiz, P.J. Patchett, and R.J. Arulus. Contrib., Mineral., Petrol., 104, 609-614.
- 07-142F Arculus, R.J., Ruff, L.J., 1990, Genesis of continental crust: evidence from island arcs, granulites, and exospheric processes. In: D. Vielzeuf and Ph. Vidal (eds.), Granulites and crustal evolution, Kluwer Academic Publisher, 7-23.
- 07-145F Richardson, J.M., Blenkinsop, J., Bell, K., 1990, Extreme variations in strontium initial ratios in ore-related fluids. Fluorite and phosphate minerals from the grisen-style East Kemptville tin mine, Nova Scotia, Canada. Contrib., Mineral., Petrol., 104, 516-529.
- 07-163 Defant, M.J., Maury, R.C., Joron, J.-L., Feigenson, M.D., Leterrier, J., Bellon, H., Jacques, D., Richard, M., 1990, The geochemistry and tectonic setting of the northern section of the Luzon zrc (the Philippines and Taiwan). Tectonophysics, 183, 187-205.
- 07-164 Defant, M.J., Drummond, M.S., 1990, Derivation of some modern arc magmas by melting of young subducted lithosphere. Nat., 347, 662-665.
- 07-165 Defant, M.J., Drummond, M.S., 1990, Derivation of some modern arc magmas by melting of young subducted lithosphere. Nat., 347, 662-665.
- 07-165s Guo, J., Green, T.H., 1990, Experimental study of barium partitioning between phlogopite and silicate liquid at upper-mantle pressure and temperature. Lithos, 24, 83-95.
- 07-174 Olson, P., Silver, P.G., Carlson, R.W., 1990, The large-scale structure of convection in the Earth's mantle. Nat., 344, 209-215.
- 07-175 Johnson, C.M., 1990, Comment on "Lower crustal evolution under central Arizona: Sr, Nd and Pb isotopic geochemical evidence from the mafic xenoliths of Camp Creek" by S. Esperanca, R.W. Carlson and S.B. Shirey. Earth, Planet., Sci., Lett., 99, 400-405.
- 07-177 Condie, K.C., Wronkiewicz, D.J., 1990, The Cr/Th ratio in Precambrian pelites from the Kaapvaal Craton as an index of craton evolution. Earth, Planet., Sci., Lett., 97, 256-267.
- 07-199 Ballhaus, C., Berry, R.F., Green, D.H., 1990, Oxygen fugacity controls in the Earth's upper mantle. Nat., 348, 437-440.
- 07-222 Notsu, K., Arakawa, Y., Kobayashi, T., 1990, Strontium isotopic characteristics of arc volcanic rocks at the initial stage of subduction in western, Japan. J. Volcanol. Geother. Res., 40, 181-196.
- 07-252 Smoot, N.C., 1990, Mariana trough by multi-beam sonar. Geo-Marine Lett., 10, 137-144.
- 08-143 Hacker, B.R., 1990, Amphibolite-facies-to-granulite-facies reactions in experimentally deformed, unpowdered amphibolite. Amer. Min., 75, 1349-1361.
- 08-151 Worster, M.G., Huppert, H.E., Sparks, R.S.J., 1990, Convection and crystallization in magma cooled from above. Earth Planet. Sci. Lett., 101, 78-89.
- 08-171 Trial, A.F., Spera, F.J., 1990, Mechanisms for the generation of compositional heterogeneities in magma chambers. Geol. Soc. Amer. Bull., 102, 353-367.
- 08-211 木下修, 伊藤英文, 1990, 中生代火成岩年代の地域変化に基づいた西南日本と東北日本の復元. 地質学雑誌, 96, 821-828.
- 08-215 津久井雅志, 荒巻重雄, 1990, 始良火砕噴火のマグマ溜り. 火山 第2集, 35, 231-248.
- 08-250 Vance, D., O'Nions, R.K., 1990, Isotopic chronometry of zoned garnets: growth kinetics and metamorphic histories. Earth Planet. Sci. Lett., 97, 227-240.
- 08-293 Waters, F.G., Cohen, A.S., O'Nions, R.K., O'Hara, M.J., 1990, Development of Archaean lithosphere deduced from chronology and isotope chemistry of Scourie. Earth Planet. Sci. Lett., 97, 241-255.
- 08-340 Rudnick, R.L., Presper, T., 1990, Geochemistry of intermediate- to high-pressure granulites. Granulites and crustal evolution, (eds. D. Vielzeuf and Ph. Vidal.) Kluwer Academic publishers, 523-550.
- 08-378 Stamatielopoulou-Seymour, K., Vlassopoulos, D., Pearce, T.H., Rice, C., 1990, The record of magma chamber processes in plagioclase phenocrysts at Thera volcano, Aegean volcanic arc, Greece. Contrib. Min. Petrol., 104, 73-84.
- 08-401 Sarada, P., Graham, D., 1990, Mid-ocean ridge popping rocks: implications for degassing at ridge crests. Earth Planet. Sci. Lett., 97, 268-289.
- 09-041 Cas, R.A.F., Allen, R.L., Bull, S.W., Clifford, B.A., Wright, J.V., 1990, Subaqueous, rhyolitic dome-top tuff cones: a model based on the Devonian Bunga Beds, southeastern Australia and a modern analogue. Bull. Volcanol., 52, 159-174.
- 09-077 Blundy, J.D., Holland, T.J.B., 1990, Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer. Contrib. Mineral. Petrol., 104, 208-224.
- 09-124 田中武男・堀田宏・酒井均・石橋純一郎・大森保・井沢英二・小田望, 1990, 伊豆名海穴の熱水現象とその分布. 海洋科学技術センター試験研究報告, 11-26.
- 09-129 Sakai, H., Gamo, T., Kim, E.-S., Tsutsumi, M., Tanaka, T., Ishimashi, J., Wakita, H., Yamano, M., Oomori, T., 1990, Venting of carbon dioxide-rich fluid and hydrate formation in Mid-Okinawa trough backarc basin. Science, 248, 1093-1096.
- 10-036 Johnson, L.E., Fryer, P., 1990, The first evidence for MORB-like lavas from the outer Mariana forarc: geochemistry, petrography and tectonic implications. Earth and Planetary Science Letters, 100, 304-316.
- 10-058 Hawkins, J.W., Lonsdale, P.F., Macdougall, J.D., Volpe, A.M., 1990, Petrology of the axial ridge of the Mariana trough backarc spreading center. Earth and Planetary Science Letters, 100, 226-250.
- 10-068 Stern, R.J., Lin, P.-N., Morris, J.D., Jackson, M.C., Fryer, P., Bloomer, S.H., Ito, E., 1990, Enriched back-arc basin basalts from the northern Mariana trough: implications for the magmatic evolution of back-arc basins. Earth Planet. Sci. Lett., 100, 210-225.
- 10-086 Sakai, R., Kusakabe, M., Noto, M., Ishii, T., 1990, Origin of waters responsible for serpentinization of the Izu-Ogasawara-Mariana forarc seamounts in view of hydrogen and oxygen isotope ratios. Earth Planet. Sci. Lett., 100, 291-303.
- 10-164 Fryer, P., Saboda, K.L., Johnson, L.E., Mackay, M.E., Moore, G.F., Stoffers, P., 1990, 4. Conical seamount: SeaMARCH, alvin submersible, and seismic-reflection studies. Proceedings of the Ocean Drilling Program, Initial Reports, Fryer, P., Pearce, J.A., Stokking, L.B., (eds) 125, 69-80.
- 10-181 Stewart, I.S., Hancock, P.L., 1990, What is a fault scarp? Episodes, 13, 256-263.
- 10-273 WS Broecker 1, T-H Peng 2, Jean Jouzel 3, and Gary Russell 1990, The magnitude of global fresh-water transports of importance to ocean circulation. Climate Dynamics, 4, 73-79.
- 10-280 RAF Cas, RL Allen, SW Bull, BA Clifford, and JV Wright 1990, Subaqueous, rhyolitic dome-top tuff cones: a model based on the Devonian Bunga Beds, southeastern Australia and a modern analogue Bull. volcanol., 52, 159-174.

- |         |   |       |   |                            |      |                |
|---------|---|-------|---|----------------------------|------|----------------|
| 10-284  | S. K. CHOUGH and Y. K. SOHN   | 1990, | Depositional mechanics and sequences of base surges, Songaksan tuff ring, Cheju Island, Korea   | Sedimentology,             | 37,  | 1115-1135.     |
| 99N-104 | Taylor, E. M.,  | 1990, | Volcanic history and tectonic development on the central high Cascade Range, Oregon:  | J. Geophys. Res.,          | 95,  | 19611-19622.   |
| 99N-108 | Briot, D.,  | 1990, | Magma mixing versus xenocryst assimilation: the genesis of trachyandesites in Sancy volcano, Massif Central, France:  | Lithos,                    | 25,  | 227-241.       |
| 99N-138 | Barbarin, B.,   | 1990, | Plagioclase Xcnocrysts and mafic magmatic enclaves in some granitoids of the Sierra Nevada Batholith, California:   | J. Geophys. Res.,          | 95,  | 17747-17756    |
| 99N-162 | Linneman, S. R. and Myers, J. D.,   | 1990, | Magmatic inclusion in the Holocene rhyolites of Newberry Volcano, Central Oregon:   | J. Geophys. Res.,          | 95,  | 17677-17691.   |
| 99N-164 | Davidson, J. P.,  | 1990, | Small-scale disequilibrium in a magmatic inclusion and its more silicic host:   | J. Geophys. Res.,          | 95,  | 17661-17675.   |
| 99N-195 | Conrey, R. M.,  | 1990, | Olivine analcinite in the Cascade of Oregon:  | J. Geophys. Res.,          | 95,  | 19639-19646.   |
| 99N-195 | Stimac, J. A. and Pearce, T. H.,  | 1990, | The origin and implications of undercooled andesitic inclusions in rhyolites, Clear Lake Volcanics, California:   | J. Geophys. Res.,          | 95,  | 17729-17746.   |
| 99N-196 | Bullen, T. D. and Clynne, M. A.,  | 1990, | Trace element and isotopic constraints on magmatic evolution at Lassen volcanic center:   | J. Geophys. Res.,          | 95,  | 19671-19691.   |
| 99N-197 | Clynne, M. A.,  | 1990, | Stratigraphic, lithologic, and major element geochemical constraints on magmatic evolution at Lassen volcanic center:   | J. Geophys. Res.,          | 95,  | 19651-19669.   |
| 99N-198 | Nakajima, T.,   | 1990, | Cretaceous granitoids in SW Japan and their bearing on the crust-forming process in the eastern Eurasian margin:  | Earth Sci.s,               | 87,  | 183-191.       |
| 99N-48  | Solomon, M.,  | 1990, | Subduction, arc reversal, and the origin of porphyry copper-gold deposits in island arcs:   | Geol.,                     | 18,  | 630-633.       |
| 99N-58  | Wobus, R. A., Mocheil, D. W., Mertzman, S. A. Eide, E. A., Rothwarf, M. T., Loeffler, B. M., Johnson, D. A., Keating, G. N., Sultze, K., Benjanin, A. E., Venzke, E. A. and Filson, T., | 1990, | Geochemistry of high-potassium rocks from the mid-Tertiary Guffey volcanic center, Thirtynine Mile volcanic field, central Colorado:  | Geol.,                     | 18,  | 642-645.       |
| 99N-59  | Richards, J. P., Chappell, B. W. and McCulloch, M. T.,  | 1990, | Intraplate-type magmatism in a continent-island-arc collision zone: Porgera intrusive complex, Papua New Guinea:  | Geol.,                     | 18,  | 958-961.       |
| 99N-60  | Singer, B. S. and Myers, J. D.,   | 1990, | Intra-arc extension and magmatic evolution in the central Aleutian arc, Alaska:   | Geol.,                     | 18,  | 1050-1053.     |
| 99S-08  | Palmer, B. A. and Walton, A. W.,  | 1990, | Accumulation of volcanoclastic aprons in the Mount Dutton Formation (Oligocene-Miocene), Marysvale volcanic field, Utah:  | Geol. Soc. Amer. Bull.,    | 102, | 734-748.       |
| 99S-09  | Mengel, K. and Hoefs, J.,   | 1990, | Li- <sup>6</sup> 18O-SiO <sub>2</sub> systematics in volcanic rocks and mafic lower crustal granulite xenoliths:  | Earth Planet. Sci. Lett.,  | 101, | 42-53.         |
| 99S-10  | Bailey, R. C.,  | 1990, | Comment on "The combined analysis of remagnetization circles and direct observations in paleomagnetism" by P. L. McFadden and M. W. McElhinny:  | Earth Planet. Sci. Lett.,  | 101, | 125-126.       |
| 99S-123 | Johnson, C. M., Lipman, P. W. and Czamanske, G. K.,   | 1990, | H, O, Sr, Nd, and Pb isotope geochemistry of the Latir volcanic field and cogenetic intrusions, New Mexico, and relations between evolution of a continental magmatic center and modifications of the lithosphere:        | Contrib. Mineral. Petrol., | 104, | 99-104.        |
| 99S-13  | Waresback, D. B. and Turbeville, B. N.,   | 1990, | Evolution of a Plio-Pleistocene volcanogenic-alluvial fan: The Puye Formation, Jemez Mountains, New Mexico:   | Geol. Soc. Amer. Bull.,    | 102, | 298-314.       |
| 99S-153 | Lippolt, H. J., Troesch, M. and Hess, J. C.,  | 1990, | Excess argon and dating of Quaternary Eifel volcanism. IV. Common argon with high and lower-than-atmospheric <sup>40</sup> Ar/ <sup>36</sup> Ar ratios in phonolitic rocks, East Eifel, R. R. G.:                         | Earth Planet. Sci. Lett.,  | 101, | 19-33.         |
| 99S-159 | Kellogg, L. H. and Wasserburg, G. J.,   | 1990, | The role of plumes in mantle helium fluxes:   | Earth Planet. Sci. Lett.,  | 99,  | 276-289.       |
| 99S-165 | Sigmarrsson, O., Condomines, M., Morris, J. D. and Harmon, R. S.,   | 1990, | Uranium and <sup>10</sup> Be enrichments by fluids in Andean arc magmas:  | Nat.,                      | 346, | 163-165.       |
| 99S-17  | Abouchami, W. and Boher, M.,  | 1990, | A major 2.1 Ga event of mafic magmatism in west Africa: An early stage of crustal accretion:  | J. Geophys. Res.,          | 95,  | 17605-17629.   |
| 99S-18  | Johnson, C. D. and Carlson, W. D.,  | 1990, | The origin of olivine-plagioclase coronas in metagabbros from the Adirondack Mountains, New York:   | J. Metamorphic Geol.,      | 8,   | 697-717.       |
| 99S-19  | Babel working group,  | 1990, | Evidence for early Proterozoic plate tectonics from seismic reflection profiles in the Baltic shield:   | Nat.,                      | 348, | 34-38.         |
| 99S-21  | Liang, Y. and Elthon, D.,   | 1990, | Geochemistry and petrology of spinel lherzolite xenoliths from Xalapasco de La Joya, San Luis Potosi, Mexico: Partial melting and mantle metasomatism:  | J. Geophys. Res.,          | 95,  | 15859-15859.   |
| 99S-28  | Guiraud, M., Holland, T. and Powell, R.,  | 1990, | Calculated mineral equilibria in the greenschist-blueschist-eclogite facies in Na <sub>2</sub> O-FeO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O methods, results and geological applications: | Contrib. Mineral. Petrol., | 104, | 85-98.         |
| 99S-31  | Carher, S. M.,  | 1990, | Stress and volcanism in the northern Mogollon-Datil volcanic fields, New Mexico: Effects of the post-Laramide tectonic transition:  | Geol. Soc. Amer. Bull.,    | 102, | 1447-1458.     |
| 99S-33  | Clausen, C. and Holm, P. M.,  | 1990, | Origin of the acidic volcanics of the Tolfa district, Tuscan Province, central Italy: an elemental and Sr-isotopic study:   | Contrib. Mineral. Petrol., | 105, | 403-411.       |
| 99S-35  | Boily, M., Ludden, J. N. Brooks, C.,  | 1990, | Geochemical constraints on the magmatic evolution of the pre- and post-Oligocene volcanic suites of southern Peru: Implications for the tectonic evolution of the central volcanic zone:                                  | Geol. Soc. Amer. Bull.,    | 102, | 1565-1579.     |
| 99S-38  | Carr, M. J., Feigenson, M. D. and Bennett, E. A.,   | 1990, | Incompatible element and isotopic evidence for tectonic control of source mixing and melt extraction along the central American arc:  | Contrib. Mineral. Petrol., | 105, | 369-380.       |
| 99S-47  | Huene, R. V. and Lallemand, S.,   | 1990, | Tectonic erosion along the Japan and Peru convergent margins:   | Geol. Soc. Amer. Bull.,    | 102, | 704-720.       |
| 99S-79  | Larsen, L. L. and Smith, E. I.,   | 1990, | Mafic enclaves in the Wilson Ridge Pluton, northwestern Arizona: Implications for the generation of a Calc-Alkaline intermediate pluton in an extensional environment:  | J. Geophys. Res.,          | 95,  | 17693-17716.   |
| 99Y-104 | Hughes, S.,   | 1990, | Mafic magmatism and associated tectonism of the central high Cascade range, Oregon:   | J. Geophys. Res.,          | 95,  | 19,623-19,638. |

99Y-105	Leeman, W. P., Smith, D. R., Hildreth, W., Palacz, Z. and Rogers, N.,	1990,	Compositional diversity of late Cenozoic basalts in a transect across the southern Washington Cascades: implications for subduction zone magmatism:	J. Geophys. Res.,	95,	19,561-19,582.
99Y-12	Golberg, J. M. and Leyreloup, A. F.,	1990,	High temperature-low pressure Cretaceous metamorphism related to crustal thinning (Eastern North Pyrenean Zone, France):	Contrib. Mineral. Petrol.,	104,	194-207.
99Y-165	Davidson, J. P., McMillan, N. J., Moorbath, S., Worner, G., Harmon, R. S. and Lopez-Escobar, L.,	1990,	The Nevados de Payachata volcanic region (18° S/69° W, N. Chile) II. Evidence for widespread crustal involvement in Andean magmatism:	Contrib. Mineral. Petrol.,	105,	412-432.
99Y-75	Sato, H., Aramaki, S., Kusakabe, M., Hirabayashi, J., Sano, Y., Nojiri, Y. and Tchoua, F.,	1990,	Geochemical difference of basalts between polygenetic and monogenetic volcanoes in the central part of the Cameroon volcanic line:	Geochemical J.,	24,	357-370.
10-541	Y. Minai, T. Ishii*, Y. Nakamura**, H. Wakita**, T. Tominaga	1990,	NEUTRON ACTIVATION ANALYSIS OF ALTERED OCEANIC THOLEIITE: VARIATION OF LANTHANIDE CONCENTRATIONS WITH DEGREE OF ALTERATION	J. RADIOANAL. NUCL. CHEM., LETTERS,	146,	375-384.
99-0058	Rudnick, R.L. and Presper, T.	1990,	Geochemistry of intermediate- to high-pressure granulites	D. Vielzeuf and Ph. Vidal (editors), Granulites and Crustal Evolution	Kluwer Academic Publishers	523-550.
99-0081	Eby, G.N.,	1990,	The A-type granitoids: a review of their occurrence and chemical characteristics and speculations on their petrogenesis:	Lithos,	26,	115-134.
99-0100	Ishihara, S., Tanaka, T., Terashima, S., Togashi, S., Murao, S. and Kamioka, H.,	1990,	Peralkaline rhyolite dikes at the Cape Ashizuri: a new type of REE and rare metal mineral resources	Min. Geol.,	40,	107-115.
99-0106	Corriveau, L.,	1990,	Proterozoic subduction and terrane amalgamation in the southwestern Grenville province, Canada: Evidence from ultrapotassic to shoshonitic plutonism:	Geology,	15,	614-617.
99-0125	Lin, P.N., Stern, R.J., Morris, J. and Bloomer, S.H.,	1990,	Nd- and Sr-isotopic compositions of lavas from the northern Mariana and southern volcano arcs: implications for the origin of island arc melts:	Contrib. Mineral. Petrol.,	105,	381-392.
99-0130	Suzuki, K., Adachi, M. and Yamamoto, K.,	1990,	Possible effects of grain-boundary REE on the REE distribution in felsic melts derived by partial melting:	Geochem. J.,	24,	57-74.
99-0156	Reid, M.R.,	1990,	Ionprobe investigation of rare earth element distributions and partial melting of metasedimentary granulites:	D. Vielzeuf and Ph. Vidal (eds.), Grnulites and crustal evolution,	Kluwer Academic Publishers,	507-522.
99-0165	Hacker, B.R.,	1990,	Amphibolite-facies-to-granulite-facies reactions in experimentally deformed, unpowdered amphibolite:	Am. Miner.,	75,	1349-1361.
99-0195	Trial, A.F. and Spera, F.J.,	1990,	Mechanisms for the generation of compositional heterogeneities in magma chambers:	Geol. Soc. Am. Bull.,	102,	353-367.
99-0289	Stern, C.R.,	1990,	Comment on " A geochemical traverse across the North Chilean Andes: evidence for crust generation from the mantle wedge" by G. Rogers and C.J. Hawkesworth:	Earth Planet. Sci. Lett.,	101,	129-133.
99-0302	Kushiro, I.,	1990,	Partial melting of mantle wedge and evolution of island arc crust:	J. Geophys. Res.,	95,	15929-15933.
99-0353	Davidson, J.P., De Silva, S.L., Holden, P. and Halliday, A. N.,	1990,	Small-scale disequilibrium in a magmatic inclusion and its more silicic host:	J. Geophys. Res.,	95,	17661-17675.
99-0355	Stimac, J.A., Pearce, T.H., Donnelly-Nolan, J.M. and Hearn, Jr., B.C.,	1990,	the origin and implications of undercooled andesitic inclusions in rhyolites, Clear Lake Volcanics, California:	J. Geophys. Res.,	95,	17729-17746.
99-0356	Linneman, S.R. and Myers, J.D.,	1990,	Magmatic inclusions in the Holocene rhyolites of Newberry volcano, central Oregon:	J. Geophys. Res.,	95,	17677-17691.
99-0357	Christiansen, E.H. and Venchiarutti, D.A.,	1990,	Magmatic inclusions in rhyolites of the Spor Mountain Formation, western Utah: limitations on compositional inferences from inclusions in granitic rocks:	J. Geophys. Res.,	95,	17717-17728.
99-0364	Eberz, G.W. and Nicholls, I.A.,	1990,	Chemical modification of enclave magma by post-emplacment crystal fractionation, diffusion and metasomatism:	Contrib. Mineral. Petrol.,	104,	47-55.
99-0369	Carrigan, C.R. and Eichelberger, J.C.,	1990,	Zoning of magmas by viscosity in volcanic conduits:	Nature,	343,	248-251.
99-0419	Ishizuka, H., Kawanobe, Y. and Sakai, H.,	1990,	Petrology and geochemistry of volcanic rocks dredged from the Okinawa Trough, an active back-arc basin:	Geochem. J.,	24,	75-92.
99-0595	Arakawa, Y.,	1990,	Strontium isotopic compositions of Mesozoic granitic rocks in the Hida belt, central Japan: diversities of magma sources and of processes of magma evolution in a continental margin area:	Lithos,	24,	261-273.
99-0597	Nakajima, T., Shirahase, T. and Shibata, K.,	1990,	Along-arc lateral variation of Rb-Sr and K-Ar ages of Cretaceous granitic rocks in Southwest Japan:	Contrib. Mineral. Petrol.,	104,	381-389.
99-0621	Ito, K.,	1990,	Seismic activity and tectonics in Southwestern Japan (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	43,	555-569.
99-0623	Oda, H., Tanaka, T. and Seya, K.,	1990,	Subducting oceanic crust on the Philippine Sea plate in Southwest Japan:	Tectonophysics,	172,	175-189.
99-0629	Hashimoto, M.,	1990,	Horizontal strain rates in the Japanese Islands during interseismic period deduced from geodetic surveys (part I): Honshu, Shikoku and Kyushu (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	43,	13-26.
99-0662	Suzuki, Y., Sato, T., Kaneko, N., Kageyama, K. and Yazaki, K.,	1990,	The geology of the Shintomi well and granitic basement in the Miyazaki Neogene and Quaternary basin in Kyushu (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	41,	87-92.
99-0678	Kaneoka, I.,	1990,	Radiometric age and Sr isotope characteristics of volcanic rocks from the Japan Sea floor:	Geochem. J.,	24,	7-19.
99-0680	Kaneoka, I., Nostu, K., Takigami, Y., Fujioka, K. and Sakai, H.,	1990,	Constraints on the evolution of the Japan Sea based on 40Ar-39Ar ages and Sr isotopic ratios for volcanic rocks of the Yamato Seamount chain in the Japan Sea:	Earth and Planet. Sci. Lett.,	97,	211-225.
99-0733	Ohta, T., Hasenaka, T. and Fujimaki, H.,	1990,	Geology and petrology of Yufu-Tsurumi volcano group, Oita Prefecture (In Japanese, with English abstract):	J. Mineral. Petrol. Econ. Geol.,	85,	113-129.
99-0775	Zhao, D., Horiuchi, S. and Hasegawa, A.,	1990,	3-D seismic velocity structure of the crust and the uppermost mantle in the northeastern Japan arc:	Tectonophysics,	181,	135-149.



99-0785	Kimura, M.,	1990,	Genesis and formation of the Okinawa Trough, Japan (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	34,	77-88.
99-0811	Ikebe, S. and Watanabe, K.,	1990,	阿蘇火山中岳の最近の活動	地質ニュース	426,	6-14.
99-0813	Watanabe, K. and Takada, H.,	1990,	Nonparallel relation between volcanic ash beds and "Kuro-boku" soil around the Aso Caldera, Japan (In Japanese, with English abstract):	Rep. Mem. Fac. Educ. Kumamoto Univ.,	39,	21-27.
99-0837	Kimura, M.,	1990,	背弧海盆の成因についての一考察	月刊地球	3,	70-74.
99-0896	Kagoshima	1990,	鹿児島県の地質	鹿児島県地質図編集委員会		117p.
99-0924	Mitani, A., Nakada, S. and Aoki, Y.,	1990,	Texture and chemistry of pillow lava from Omodaka, Nishisonogi Peninsula, Nagasaki Prefecture, Japan (In Japanese, with English abstract):	九大理研報 (地質),	16,	143-155.
99-0946	Sigurdsson, H., Cornell, W. and Carey, S.,	1990,	Influence of magma withdrawal on compositional gradients during the AD 79 Vesuvius eruption:	Nature,	345,	519-521.
99-0948	Tsukui, M. and Aramaki, S.,	1990,	The magma reservoir of the Aira pyroclastic eruption---a remarkably homogeneous high-silica rhyolite magma reservoir (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan,	35,	231-248.
99-0949	Kempton, P.D., Harmon, R.S., Hawkesworth, C.J. and Moorbath, S.,	1990,	Petrology and geochemistry of lower crustal granulites from the Geronimo Volcanic Field, southeastern Arizona:	Geochem. Cosmochim. Acta.,	54,	3401-3426.
99-0950	Mennigel, K.,	1990,	Crustal xenoliths from Tertiary volcanics of the Northern Hessian Depression:	Contrib. Mineral. Petrol.,	104,	8-26.
99-0959	Loock, G., Stosch, H.-G. and Seck, H.A.,	1990,	Granulite facies lower crustal xenoliths from the Eifel, West Germany: petrological and geochemical aspects:	Contrib. Mineral. Petrol.,	105,	25-41.
99-0965	Henjes-Kunst, F., Altherr, R. and Baumann, A.,	1990,	Evolution and composition of the lithospheric mantle underneath the western Arabian peninsula: constraints from Sr-Nd isotope systematics of mantle xenoliths:	Contrib. Mineral. Petrol.,	105,	460-472.
99-0966	Graham, I.J., Blattner, P. and McCulloch, M.T.,	1990,	Meta-igneous granulite xenoliths from Mount Ruapehu, New Zealand: fragments of altered oceanic crust?:	Contrib. Mineral. Petrol.,	105,	650-661.
99-1011	Othman, B.D., Tilton, G.R. and Menzies, M.A.,	1990,	Pb, Nd, and Sr isotopic investigations of kaersutite and clinopyroxene from ultramafic nodules and their host basalts: the nature of the subcontinental mantle:	Geochem. Cosmochim. Acta.,	54,	3449-3460.
99-1060	Kanaori, Y.,	1990,	Late Mesozoic-Cenozoic strike-slip and block rotation in the inner belt of Southwest Japan:	Tectonophys,	177,	381-399.
99-1061	Otsuki, K.,	1990,	Westward migration of the Izu-Bonin Trench, northward motion of the Philippine Sea Plate, and their relationships to the Cenozoic tectonics of Japanese island arcs:	Tectonophys,	180,	351-367.
99-1072	Kano, K., Kosaka, K., Murata, A. and Yanai, S.,	1990,	Intra-arc deformations with vertical rotation axes: the case of the pre-Middle Miocene terranes of Southwest Japan:	Tectonophys,	176,	333-354.
99-1073	Furumura, T. and Moriya, T.,	1990,	日高山脈とその周辺の3次元Q構造:	地震,	43,	121-132.
99-1075	Okada, Y.,	1990,	南関東地域のサイスマテクトニクス	地震,	43,	153-175.
99-1085	Kano, K., Kosaka, K., Murata, A. and Yanai, S.,	1990,	Intra-arc deformations with vertical rotation axes: the case of the pre-Middle Miocene terranes of Southwest Japan:	Tectonophys,	176,	333-354.
99-1089	Hori, S.,	1990,	Seismic waves guided by untransformed oceanic crust subducting into the mantle: the case of the Kanto district, central Japan:	Tectonophys,	176,	355-376.
99-1092	Ghomshei, M.M., Arkani-hamed, J., Strangway, D.W. and Russell, R.D.,	1990,	Underplating of oceanic lithosphere in the Archean: a possible mechanism for the formation of Archean komatiites:	Tectonophys,	172,	291-302.
99-1113	Leg 127 and Leg 128 shipboard scientific parties,	1990,	Evolution of the Japan Sea:	Nature,	346,	18-20.
99-1242	Bloomer, S. and Stern, R.,	1990,	Tectonic origins:	Nature,	346,	518.
99-1243	Muenow, D.W., Garcia, M.O., Aggrey, K.E., Bednarz, U. and Schmincke, H.U.,	1990,	Volatiles in submarine glasses as a discriminant of tectonic origin: application to the Troodos ophiolite:	Nature,	343,	159-161.
99-1252	Jhonson, L.E. and Fryer, P.,	1990,	The first evidence for MORB-like lavas from the outer Mariana forearc: geochemistry, petrography and tectonic implications:	Earth Planet. Sci. Lett.,	100,	304-316.
99-1253	Fryer, P., Taylor, B., Langmuir, C.H. and Hochstaedter, A.G.,	1990,	Petrology and geochemistry of lavas from the Sumisu and Torishima backarc-rifts:	Earth Planet. Sci. Lett.,	100,	161-178.
99-1254	Stern, R.J., Lin, P.-N., Morris, J.D., Jackson, M.C., Fryer, P., Bloomer, S.H. and Ito, E.,	1990,	Enriched back-arc basin basalts from the northern Mariana Trough: implications for the magmatic evolution of back-arc basins:	Earth Planet. Sci. Lett.,	100,	210-225.
99-1255	Hochstaedter, A.G., Gill, J.B., Kusakabe, M., Newman, S., Pringle, M., Taylor, B. and Fryer, P.,	1990,	Volcanism in the Sumisu Rift, I. major element, volatile, and stable isotope geochemistry:	Earth Planet. Sci. Lett.,	100,	179-194.
99-1256	Hochstaedter, A.G., Gill, J.B. and Morris, J.D.,	1990,	Volcanism in the Sumisu Rift, II. Subduction and non-subduction related components:	Earth Planet. Sci. Lett.,	100,	195-209.
99-1301	Kanaori, Y., Yairi, K., Kawakami, S. and Takeshita, T.,	1990,	中部日本内帯の左横ずれ断層運動に伴うブロック回転—古地磁気データから求めた西南日本回転量の問題点—	地震,	43,	539-542.
99-1346	Notsu, K.,	1990,	マグマの起源:地球科学的アプローチ 2:	火山,	34,	S39-S50.
99-1357	Notsu, K.,	1990,	Strontium isotopic characteristics of arc volcanic rocks at the initial stage of subduction in western Japan:	J. Volcanol.Geother.Res.,	40,	181-196.
99-1387	Symonds, R.B., Rose, W.I., Gerlach, T.M., Briggs, P.H. and Harmon, R.S.,	1990,	Evaluation of gases, condensates, and SO <sub>2</sub> emissions from Augustine volcano, Alaska: the degassing of Cl-rich volcanic system	Bull. volcanol.,	52,	355-374.
99-1401	Davidson, J.P.,	1990,	Small-scale disequilibrium in a magmatic inclusion and its more silicic host.	J. Geophy. Res.,	95,	17661-17675.
12-079	CHARLES R. BACON	1990,	Calc-alkaline, Shoshonitic, and Primitive Tholeiitic Lavas from Monogenetic Volcanoes near Crater Lake, Oregon.	Jour. Petrol.,	31,	135-166.
12-105	P. B. Kelemen", K. T. M. Johnson", R. J. Kluzert & A. J. Irvingt	1990,	High-field-strength element depletions in arc basalts due to mantle-magma interaction.	Nature,	345,	521-524.

- 12-178 Clive R. Neal, Lawrence A. Taylor, Jon P. Davidson, Peter Holden, Alex N. Peter H. Nixon, James B. Paces, Robert N. Clayton, and Toshiko K. Mayeda, 1990, Eclogites with oceanic crustal and mantle signatures from the Bellsbank kimberlite, South Africa, part 2: Sr, Nd, and O isotope geochemistry. *Earth and Planetary Science Letters*, 99, 362-379.
- 12-179 P.N. Lin, R.J. Stern, J. Morris and S.H. Bloomer, 1990, Nd- and Sr-isotopic compositions of lavas from the northern Mariana and southern Volcano arcs: Implications for the origin of island arc melts. *Contrib Mineral Petrol* 105, 381-392.
- 12-181 Gunter W. Eberz and Ian A. Nicholls, 1990, Chemical modification of enclave magma by post-emplacment crystal fractionation, diffusion and metasomatism. *Contrib Mineral Petrol* 104, 47-55.
- 12-196 J. D. Morris, W. P. Leemant & F. Tera, 1990, The subducted component in island arc lavas: Constraints from Be isotopes and B-Be systematics. *Nature*, 344, 31-36.
- 12-199 Dan McKenzie, 1990, Spinning continents. *Nature*, 344, 109-110.
- 12-308 Michael O. Garcia, Mark D. Kurz, David W. Muenow, 1990, Mahukona: The missing Hawaiian volcano. *Geology*, 18, 1111-1114.
- 12-346 Hashimoto, M. ? 1990, Chapter 10. GEOTECTONIC HISTORY OF THE JAPANESE ISLANDS. *Geology of Japan*, Hashimoto, M. (ED), Springer, 217-242.
- 12-408 H. Voshage, A. W. Hofmann, M. Mazzucchelli, G. Rivalenti, S. Sinigoi, I. Raczek & G. Demarchi, 1990, Isotopic evidence from the Ivrea zone for a hybrid lower crust formed by magmatic underplating. *Nature*, 347, 731-736.
- 12-409 D. BEN OTHMAN, G. R. TILTON, and M.A. MENZIES, 1990, Pb, Nd, and Sr isotopic investigations of kaersutite and clinopyroxene from ultramafic nodules and their host basalts: The nature of the subcontinental mantle. *Geochimica et Cosmochimica Acta*, 54, 3449-3460.
- 12-451 PATRICIA A. LOCKRIDGE, 1990, Nonseismic phenomena in the generation and augmentation of tsunamis, *Natural Hazards*, 3, 403-412.
- 12-655 Lynn E. Johnson, Patricia Fryer, 1990, The first evidence for MORB-like lavas from the outer Mariana forearc: geochemistry, petrography and tectonic implications. *Earth and Planetary Science Letters*, 100, 304-316.
- 13-001 Lynn E Johnson and Patricia Fryer, 1990, The first evidence for MORB-like lavas from the outer Mariana forearc: geochemistry, petrography and tectonic implications. *Earth and Planetary Science Letters*, 100, 304-316.
- 16-070 PIERRE HENRY, XAVIER LE PICHON, SIEGFRIED LALLEMANT, JEAN-PAUL FOUCHER, GRAHAM W ESTBROOK, and MICHAEL HOBART, 1990, Mud Volcano field Seaward of the Barbados accretionary Complex: A deep-towed side scan sonar survey. *JOURNAL OF GEOPHYSICAL RESEARCH*, 95, 8917-8929.
- 16-171 PAUL J. THOMAS STEVEN W. SQUYRES MICHAEL H. CARR, 1990, Flank tectonics of Martian volcanoes. *Jour. Geophysical Research*, 95, 14345-14355.
- 16-172 ANDREA BORGIA, JEROME JAFFE BURR, WALTER MONTERO, LUIS DIEGO MORALES, and GUILLERMO E. ALYARADO, 1990, Fault propagation folds induced by gravitational failure and slumping of the central Costa Rica volcanic range: implications for large terrestrial and Martian volcanic edifices. *JOURNAL OF GEOPHYSICAL RESEARCH*, 95, 14357-14382.
- 16-173 ROSALY M. C. LOPES CHRISTOPHER R. J. KILBURN, 1990, Emplacement of lava flow fields: application of terrestrial studies to Alba Patera, Mars. *JOURNAL OF GEOPHYSICAL RESEARCH*, 95, 14383-14397.
- 08-126 Conrad, W.K., Kay, R.W., 198x, Ultramafic and mafic inclusions from Adak Island: crystallization history, and implications for the nature of primary magmas and crustal evolution in the Alutian arc. *J. Petrol.*, 88.
- 99-0888 Uto, K., Tanaka, T., Yoshida, T. and Aoki, K., 198X, 南九州川内玄武岩類のSr-Nd同位対比および微量元素組成. 講演要旨.
- 12-372 中野俊, 1989, 北アルプス、鷲羽・雲ノ平火山の地質。火山第二集、34、197-212.
- 00-0018 Moore, J.G., Clague, D.A., Holcomb, R.T., Lipman, P.W., Normark, W.R. and Torresan, M.E., 1989, Prodigious submarine landslides on the Hawaiian ridge. *J. Geophys. Res.*, 94, 17465-17484.
- 00-0076 Collinson, J.D. and Thompson, D.B., 1989, Graded beds and the bouma sequence. *Sedimentary structures second edition* Unwin Hyman, London, 105-106.
- 00-0077 Collinson, J.D. and Thompson, D.B., 1989, Depositional structures in gravels, conglomerates and breccias. *Sedimentary structures second edition* Unwin Hyman, London, 111-130.
- 00-0100 Vogel, T.A. and Byers, Jr., F.M., 1989, Introduction to the Special Section on the Southwestern Nevada Volcanic Field. *J. Geophys. Res.*, 94, 5907.
- 00-0101 Byers, Jr., F.M., Carr, W.J. and Orkild, P.P., 1989, Volcanic centers of southwestern Nevada: evolution of understanding, 1960-1988. *J. Geophys. Res.*, 94, 5908-5924.
- 00-0102 Vogel, T.A., Noble, D.C. and Younker, L.W., 1989, Evolution of a chemically zoned magma body: Black Mountain volcanic center, southwestern Nevada. *J. Geophys. Res.*, 94, 6041-6058.
- 00-0103 Sawyer, D.A. and Sargent, K.A., 1989, Petrologic evolution of divergent peralkaline magma from the Silent Canyon caldera complex, southwestern Nevada volcanic field. *J. Geophys. Res.*, 94, 6021-6040.
- 00-0104 Warren, R. G., Byers, Jr., F. M., Broxton, D. E., Freeman, S.H. and Hagan, R.C., 1989, Phenocryst abundances and glass and phenocryst compositions as indicators of magmatic environments Large-volume ash flow sheets in southwestern Nevada. *J. Geophys. Res.*, 94, 5987-6020.
- 00-0105 Broxton, D. E., Warren, R. G., Byers, F. M. and Scott, R. B., 1989, Chemical and mineralogical trends within the Timber Mountain-Oasis Valley Caldera complex, Nevada: evidence for multiple cycles of chemical evolution in long-lived silicic magma system. *J. Geophys. Res.*, 94, 5961-5985.
- 00-0106 Flood, T.P., Vogel, T.A. and Schuraytz, B. C., 1989, Chemical evolution of magmatic system: the paintbrush tuff, southwest Nevada volcanic field. *J. Geophys. Res.*, 94, 5943-5960.
- 00-0107 Schuraytz, B. C. and Vogel, T. A., 1989, Evidence for dynamic withdrawal from a layered magma body: the Topopah spring tuff, southwestern Nevada. *J. Geophys. Res.*, 94, 5925-5942.
- 00-0125 Hoyanagi, K., 1989, Coarse-grained turbidite sedimentation resulting from the Miocene collision event in central Hokkaido, Japan. In Taira, A. and Masuda, F. (editors), *Sedimentary Facies in the Active Plate Margin*, Terra Scientific Publishing company, 689-709.
- 02-0007 Rutter, M.J., Van der Laan, S.R., Wyllie, P.J., 1989, Experimental data for a proposed empirical igneous geobarometer: Aluminum in hornblende at 10 kbar pressure. *Geol.*, 17, 897-900.

(Marine volcanology, Kumamoto Univ.)

- 02-0012 Best, N. G., Christiansen, E.H., Blank, R.H., Jr., 1989, Oligocene caldera complex and calc-alkaline tuffs and lavas of the Indian Peak volcanic field, Nevada and Utah. Geol. Soc. Am. Bull., 101, 1076-1090.
- 02-0062 Le Maitre, R.W., Bateman, P., Dudek, A., Keller, J., Lameyre, Le Bas, M.J., Sabine, P.A., Schmid, R., Sorensen, H., Streckeisen, A., Woolley, A.R., Zanettin, B., 1989, A classification of igneous rocks and glossary of terms. Blackwell, Oxford, 193 pp.
- 02-0063 Ehara, S., 1989, Thermal structure and seismic activity in central Kyushu, Japan. Tectonophysics, 159, 269-278.
- 02-0064 Halliday, A.N., Mahood, G.A., Holden, P., Metz, J.M., Dempster, T.J., Davidson, J.P., 1989, Evidence for long residence times of rhyolitic magma in the Long Valley magmatic system: the isotopic record in precaldern lavas of Glass Mountain. Earth Planet. Sci. Lett., 94, 274-290.
- 02-0080 Batiza, R., Fox, P.J., Vogt, S.C., Grindlay, N.R., Melson, W.G., and O' Hearn, T., 1989, Morphology, abundance, and chemistry of near-ridge seamounts in the vicinity of the mid-atlantic ridge 26 S. J. Geol., 97, 209-220.
- 03-0022 Garcia, M.O., Ho, R.A., Rhodes, J.M., and Wolfe, E.W., 1989, Petrologic constraints on rift-zone processes. Bull. Volcanol., 52, 81-96.
- 03-0054 Walker, G.P.L., 1989, Spongy pahoehoe in Hawaii: a study of vesicle-distribution patterns in basalt and their significance. Bull. Volcanol., 51, 199-209.
- 03-0090 McGuire, A.V., Dyar, M.D., and Ward, K.A., 1989, Neglected Fe<sup>3+</sup>/Fe<sup>2+</sup> ratios -- A study of Fe<sup>3+</sup> content of megacrysts from alkali basalts. Geology, 17, 687-690.
- 03-0091 Lipman, P.W., Clague, D.A., Moore, J.G., and Holcomb, R.T., 1989, South Arch volcanic field-- newly identified young lavafloes on the sea floor south of the Hawaiian ridge. Geology, 17, 611-614.
- 03-0096 Garcia, M.O., Muenow, D.M., Aggrey, K.E., and O'neil, J.R., 1989, Major element, volatile, and stable isotope geochemistry of Hawaiian submarine tholeiitic glasses. J. Geophys. Res., 94, 10525-10538.
- 03-0105 Watts, A.B., and Brink, U.S., 1989, Crustal structure, flexure, and subsidence history of the Hawaiian islands. J. Geophys. Res., 94, 10473-10500.
- 03-0137 Lonsdale, P., 1989, A geomorphological reconnaissance of the submarine part of the East Rift Zone of Kilauea Volcano, Hawaii. Bull. Volcanol., 51, 123-144.
- 04-010 Evans, S.G., 1989, Rock avalanche run-up record. Nat., 340, 271.
- 04-076 Clague, D.A., Moore, J.G., Torresan, M., Holcomb, R., and Lipman, P., 1989, Sipborad report for Hawaii GLORIA ground-truth cruise F11-88-HW, 25 Oct.-7 Nov., 1988. U.S. Geol. Surv., Open-File report, 89-109, 33 pp.
- 05-007 Carey, S., and Sigurdsson, H., 1989, The intensity of plinian eruptions. Bull. Volcanol., 51, 28-40.
- 05-080 Bischoff, J.L., and Rosenbauer, R.J., 1989, Salinity variations in submarine hydrothermal systems by layered double-diffusive convection. J. Geol., 97, 613-623.
- 06-044 Whitehouse, M.J., 1989, Sm-Nd evidence for diachronous crustal accretion in the Lewisian complex of northwest Scotland. Tectonophysics, 161, 245-256.
- 06-045 Klemperer, S. L., 1989, Deep seismic reflection profiling and the growth of the continental crust. Tectonophysics, 161, 233-244.
- 06-046 Toft, P.B., Hills, D.V., and Haggerty, S.E., 1989, Crustal evolution and the granulite to eclogite transition in xenoliths from kimberlites in the West African Craton. Tectonophysics, 161, 213-231.
- 06-049 Yardley, B.W.D., 1989, An introduction to Metamorphic petrology Yardley Longman Pub. Group 47-113
- 06-052 Aihara, A., 1989, Paleogeothermal influence on organic metamorphism in the neotectonics of the Japanese Islands Tectonophysics, 159, 291-305.
- 06-054 Okubo, Y., Tsu, H., Ogawa, K., 1989, Estimation of Curie point temperature and geothermal structure of island arcs of Japan. Tectonophysics, 159, 279-290.
- 06-055 Si-Yu, W., Xiao-Yue, D., 1989, Geothermal activity, geophysical anomalies and the geothermal stage of the crust and upper mantle in the Yarlung Zangbo river zone. Tectonophysics, 159, 247-254.
- 06-056 Kremenetsky, A.A., Milanovsky, S.Y.U., Ovchinnikov, L.N., 1989, A heat generation model for continental crust based on deep drilling in the Baltic shield. Tectonophysics, 159, 231-246.
- 06-057 Cermak, V., Rybach, L., 1989, Vertical distribution of heat production in the continental crust. Tectonophysics, 159, 217-230.
- 06-058 Cermak, V., 1989, Crustal heat production and mantle heat flow in central and Eastern Europe. Tectonophysics, 159, 195-215.
- 06-059 Satake, K., and Hashida, T., 1989, Three-dimensional attenuation structure beneath North Island, New Zealand. Tectonophysics, 159, 181-194.
- 06-1027 Handler, P., 1989, The effect of volcanic aerosols on global climate. J. Volcanol., 37, 233-249.
- 06-1072 McLelland, J.M., 1989, Crustal growth associated with anorogenic, mid-Proterozoic anorthosite massifs in northeastern North America. Tectonophysics, 161, 331-341.
- 06-1073 Ashwal, L.D., 1989, Introduction. Tectonophysics, 161, 143-145.
- 06-1090 Howell, D.G., 1989, How the growth and freeboard of continents may relate to geometric and kinematic parameters of mid-ocean spreading ridges. Tectonophysics, 161, 343-349.
- 06-1091 Bruce, R.M., Nelson, E.P., Weaver, S.G., 1989, Effects of synchronous uplift and intrusion during magmatic arc construction. Tectonophysics, 161, 317-329.
- 06-1092 Nelson, E.P., Forsythe, R.D., 1989, Ridge collision at convergent margins: implications for Archean and post-Archean crustal growth. Tectonophysics, 161, 307-315.
- 06-1093 Albarede, F., 1989, Sm/Nd constraints on the growth rate of continental crust. Tectonophysics, 161, 299-305.
- 06-1094 Kroner, A., Compston, W., Williams, I.S., 1989, Growth of early Archean crust in the Ancient Gneiss complex of Swaziland as revealed by single zircon dating. Tectonophysics, 161, 271-298.
- 06-1095 Taylor, S.R., 1989, Growth of planetary crusts. Tectonophysics, 161, 147-156.
- 06-1096 McDermott, F., Harris, N.B.W., Hawkesworth, C.J., 1989, Crustal reworking in southern Africa: constraints from Sr-Nd isotope studies in Archean to Pan-African terrains. Tectonophysics, 161, 257-270.
- 06-1097 Dasch, E.J., Ryder, G., Nyquist, L.E., 1989, Chronology and complexity of early lunar crust. Tectonophysics, 161, 157-164.
- 06-1133 松本哲一, 1989, K-Ar 年代測定におけるカリウム定量法の改良 地質調査所月報, 40, 65-70.
- 06-149 Villemant, B., Flehoc, C., 1989, U-Th fractionation by fluids in K-rich magma genesis: the Vico volcano, Central Italy. Earth Planet. Sci. Lett., 91, 312-326.
- 06-3031 Sohn, Y.K., Chough, S.K., 1989, Depositional processes of the Suwolbong tuff ring, Cheju Island (Korea). Sedimentology, 36, 837-855.
- 06-3038 Houghton, B.F., Schmincke, H.-U., 1989, Rothenberg scoria cone, East Eifel: a complex strombolian and phreatomagmatic volcano. Bull. volcanol., 52, 28-48.

07-083	Daishi, M.,	1989,	Volcanic geology and rocks of Nakanoshima, Tokara Islands, Kagoshima Prefecture, Japan.	J. Geoscience Osaka City Univ.,	32,	1-22.
07-096F	Bebout, G.E., Barton, M.D.,	1989,	Fluid flow and metasomatism in a subduction zone hydrothermal system: Catalina schist terrane, California.	Geology,	17,	976-980.
07-097F	Barton, M.D., Hanson, R.B.,	1989,	Magmatism and the development of low-pressure metamorphic belts: implications from the western United States and thermal modeling.	GSA Bull.,	101,	1051-1065.
07-098	Morgan, VI, G.B., London, D.,	1989,	Experimental reactions of amphibolite with boron-bearing aqueous fluids at 200 Mpa: implications for tourmaline stability and partial melting in mafic rocks.	Contrib., Mineral., Petrol.,	102,	281-297.
07-107	Singer, B.S., Myers, J.D., Linneman, S.R., Angevine, C.L.,	1989,	The thermal history of ascending magma diapirs and thermal and physical evolution of magmatic conduits.	J. Volcanol. Geother. Res.,	37,	273-289.
07-107s	Hawkesworth, C.J., Ellam, R.,	1989,	Chemical fluxes and wedge replenishment rates along recent destructive plate margins.	Geology,	17,	46-49.
07-109s	Marsh, J.S.,	1989,	Geochemical constraints on coupled assimilation and fractional crystallization involving upper crustal compositions and continental tholeiitic magma.	Earth, Planet., Sci., Lett.,	92,	70-80.
07-112	Guo, J., Green, T.H.,	1989,	Barium partitioning between alkaline feldspar and silicate liquid at high temperature and pressure.	Contrib., Mineral., Petrol.,	102,	328-335.
07-120s	Fountain, J.C., Hodge, D.S., Shaw, R.P.,	1989,	Melt segregation in anatectic granites: a thermo-mechanical model.	J. Volcanol. Geother. Res.,	39,	279-296.
07-121s	Fountain, J.C., Hodge, D.S., Shaw, R.P.,	1989,	Melt segregation in anatectic granites: a thermo-mechanical model.	J. Volcanol. Geother. Res.,	39,	279-296.
07-125	Falloon, T.J., Green, D.H.,	1989,	The solidus of carbonated, fertile peridotite.	Earth, Planet., Sci., Lett.,	94,	364-370.
07-125s	Meen, J.K., Eggler, D.H., Ayers, J.C.,	1989,	Experimental evidence for very low solubility of rare-earth elements in CO <sub>2</sub> -rich fluids at mantle conditions.	Nat.,	27,	301-303.
07-130	Gibb, F.G.F., Henderson, M.B.,	1989,	Discontinuities between picritic and crinaitic units in the Shiant Isles sill: evidence of multiple intrusion.	Geol. Mag.,	126,	127-137.
07-134s	Rogers, G., Hawkesworth, C.J.,	1989,	A geochemical traverse across the North Chilean Andes: evidence for crust generation from the mantle wedge.	Earth Planet. Sci. Lett.	91,	271-285.
07-136	Francis, P.W., Sparks, R.S.J., Hawkesworth, C.J., Thorpe, R.S., Pyle, D.M., Tait, S.R., Mantovani, M.S., McDermott, F.,	1989,	Petrology and geochemistry of volcanic rocks of the Cerr Galan caldera, northwest Argentina.	Geol. Mag.,	126	515-547.
07-138	Govindaraju, K.,	1989,	1989 Compilation of working values and sample description for 272 geostandards.	Geostandards Newsletter,	13,	1-113.
07-140	Meen, J.K., Eggler, D.H.,	1989,	Chemical and isotopic compositions of Absaroka granitoids, Southwestern Montana.	Contrib., Mineral., Petrol.,	102,	462-477.
07-146F	Bell, K., Anglin, C.D., Franklin, J.M.,	1989,	Sm-Nd and Rb-Sr isotope systematics of scheelites: possible implications for the age and genesis of vein-hosted gold deposits.	Geol.,	17,	500-504.
07-150	Bacon, C.R.,	1989,	Crystallization of accessory phases in magmas by local saturation adjacent to phenocrysts.	Geochim. Cosmochim. Acta.,	53,	1055-1066.
07-151	Druitt, T.H., Bacon, C.R.,	1989,	Petrology of the zoned calcalkaline magma chamber of Mount Mazama, Crater Lake, Oregon.	Contrib., Mineral., Petrol.,	101,	245-259.
07-153	Bacon, C.R.,	1989,	Crystallization of accessory phases in magmas by local saturation adjacent to phenocrysts.	Geochim. Cosmochim. Acta.,	53,	1055-1066.
07-159	Dupuy, C., Barszczus, H.G., Dostal, J., Vidal, P., Liotard, J.-M.,	1989,	Subducted and recycled lithosphere as the mantle source of ocean island basalts from southern Polynesia, central Pacific.	Chemical. Geol.,	77,	1-18.
07-160	Vidal, P., Dupuy, C., Maury, R., Richard, M.,	1989,	Mantle metasomatism above subduction zones: trace-element and radiogenic isotope characteristics of peridotite xenoliths from Batan Island (Philippines)	Geol.,	17,	1115-1118.
07-174s	Webster, J.D., Holloway, R.J., Herving, R.L.,	1989,	Partitioning of lithophile trace elements between H <sub>2</sub> O and H <sub>2</sub> O + CO <sub>2</sub> fluids and Topaz rhyolite melt.	Economic Geol.,	84,	116-134.
07-182	Arth, J.G., Zmuda, C.C., Foley, N.K., Criss, R.E., Patton, Jr, W.W., Miller, T.P.,	1989,	Isotopic and trace element variations in the Ruby Batholith, Alaska, and the Nature of the Deep crust beneath the Ruby and Angayucham Terranes.	J. Geophys. Res.,	94,	15941-15955.
07-183	Arth, J.G., Criss, R.E., Zmuda, C.C., Foley, N.K., Patton, Jr, W.W., Miller, T.P.,	1989,	Remarkable isotopic and trace element trends in potassic through sodic Cretaceous plutons of the Yukon-Koyukuk Basin, Alaska, and the Nature of the Lithosphere beneath the Koyukuk Terrane.	J. Geophys. Res.,	94,	15957-15968.
07-191	Cox, K.G.,	1989,	Hot plumes from the mantle.	Nat.,	340,	341
07-217	Tiba, T.,	1989,	Petrochemistry of the volcanic rocks from Kuchino-shima, Nakano-shima and Suwanose-jima, Tokara Islands.	Mem. Natn. Sci. Mus., Tokyo,	22,	7-19.
08-049	Stow, D.A.V., Cochran, J.R., and ODP Leg 116 Shipboard Scientific Party,	1989,	The Bengal fan: some preliminary results from ODP drilling.	Geo-Mar Lett.,	9,	1-10.
08-109	Irvine, T.N.,	1989,	A global convection framework: concepts of symmetry, stratification, and system in the earth's dynamic structure.	Economic Geol.,	84,	2059-2114.
08-112	Nakanshi, M., Tamaki, K., Kobayashi, K.,	1989,	Mesozoic magnetic anomaly lineations and seafloor spreading history of the northwestern Pacific.	J. Geophys. Res.,	94,	15437-15462.
08-120	増田富士夫,	1989,	ダイナミック地層学—古東京湾域の堆積相解析から。(その2 発展編)	応用地質,	30,	312-
08-121	増田富士夫,	1989,	ダイナミック地層学—古東京湾域の堆積相解析から。(その1 基礎編)	応用地質,	30,	29-
08-137	Norman, M.D., Leeman, W.P.,	1989,	Geochemical evolution of Cenozoic-Cretaceous magmatism and its relation to tectonic setting, southwestern Idaho, U.S.A.,	Earth Planet. Sci. Lett.,	94,	78-96.
08-142	Langmuir, C.H.,	1989,	Geochemical consequences of in situ crystallization.	Nature,	340,	199-205.
08-161	吉川清志, 今井登, 奥村晃史, 水野清秀,	1989,	火山ガラスのICP発光分析に基づくテフラ層の同定.	地質調査月報,	40,	1-18.
08-166	Connolly, J.A.D., Thompson, A.B.,	1989,	Fluid and enthalpy production during regional metamorphism.	Contrib. Min. Petrol.,	102,	347-366.
08-187	Kamata, H.,	1989,	Shishimuta caldera, the buried source of the Yabakei pyroclastic flow in the Hohi volcanic zone, Japan.	Bull. Volcanol.,	51,	41-50.
08-212	Fukao, Y., Yamamoto, A.,	1989,	Gravity anomaly across the Peruvian Andes.	J. Geophys. Res.,	94,	3867-3880.
08-213	Kono, M.,	1989,	Mountain building in the Central Andes.	J. Geophys. Res.,	94,	3891-3907.

- 08-224 Shearer, C.K., Papike, J.J., Simon, S.B., Shimizu, N., 1989, An ion microprobe study of the intra-crystalline behavior of REE and selected trace elements in pyroxene from mare basalts with different cooling and crystallization histories. *Geochim et Cosmochim Acta*, 53, 1041-1054.
- 08-237 Patchett, P.J., Ruiz, J., 1989, Nd isotopes and the origin of greenville-age rocks in texas: implications for proterozoic evolution of the united states Mid-continent region. *J. Geol.*, 97, 685-695.
- 08-269 Johnston, A.D., Wyllie, P.J., 1989, The system tonalite-peridotite-H<sub>2</sub>O at 30 kbar, with applications to hybridization in subduction zone magmatism. *Contrib. Min. Petrol.*, 102, 257-264.
- 08-324 Salter, V.J.M., Hart, S.R., 1989, The hafnium paradox and the role of garnet in the source of mid-ocean ridge basalts. *Nature*, 342, 420-422.
- 08-328 Carroll, M.R., Wyllie, P.J., 1989, Experimental phase relations in the system tonalite-peridotite-H<sub>2</sub>O at 15 kb: implications for assimilation and differentiation processes near the crust-mantle boundary. *J. Petrol.*, 30, 1351-1382.
- 08-329 Rutter, M.J., Wyllie, P.J., 1989, Experimental study of interaction between hydrous granite melt and amphibolite. *Geol. Mag.*, 126, 633-646.
- 08-369 Hayob, J.L., Essene, E.J., Ruiz, J., Ortega-Gutierrez, F., Aranda-Gomez, J.J., 1989, Young high-temperature granulites from the base of the crust in central Mexico. *Nature*, 342, 265-268.
- 08-377 Peterson, J.W., Newton, R.C., 1989, Reversed experiments on biotite-quartz-feldspar melting in the system KMASH: implications for crust anatexis. *Jour. Geology*, 97, 465-485.
- 08-416 Sun, S.-S., Nesbitt, R. W. and McCulloch, M. T. 1989, Geochemistry and petrogenesis of Arcaean and early Proterozoic siliceous high-magnesian basalts. *Boninites and Related Rocks. (Crawford, A. ed.)* Unwin Hyman, London 148-173.
- 08-421 Davies, H.L., Sun, S.-S., Frey, F.A., Gautier, I., McCulloch, M.T., Price, R.C., Bassias, Y., Klootwijk, C.T., Leclair, L., 1989, Basalt basement from the Kerguelen plateau and the trail of a Dupal plume. *Contrib. Mineral Petrol.*, 103, 457-469.
- 09-081 Johnson, M.C., Rutherford, M.J., 1989, Experimental calibration of the aluminum-in-hornblende geobarometer with application to Lonh Valley caldera (California) volcanic rocks. *Geology*, 17, 837-841.
- 09-109 Ehara, S., 1989, Thermal structure and seismic activity in central Kyushu, Japan. *Tectonophysics*, 159, 269-278.
- 09-109 Ehara, S., 1989, Thermal structure and seismic activity in central Kyushu, Japan. *Tectonophysics*, 159, 269-278.
- 09-110 Yamano, M., Uyeda, S., Foucher, J.-P., Sibuet, J.-C., 1989, Heat flow anomaly in the middle Okinawa Trough. *Tectonophysics*, 159, 307-318.
- 09-110 Yamano, M., Uyeda, S., Foucher, J.-P., Sibuet, J.-C., 1989, Heat flow anomaly in the middle Okinawa Trough. *Tectonophysics*, 159, 307-318.
- 09-131 Yamamoto, M., Uyeda, S., Foucher, J.-P., Sibuet, J.C., 1989, Heat flow anomaly in the middle Okinawa Trough. *Tectonophysics*, 159, 307-318.
- 09-133 Halbach, P., Nakamura, K.-I., Wahsner, M., Lange, J., Sakai, H., Kaselitz, L., Hansen, R.-D., Yamano, M., Post, J., Prause, B., Seifert, R., Michaelis, W., Teichmann, F., Kinoshita, M., Marten, A., Ishibashi, J., Czerwinski, S., Blum, N., 1989, Probable modern analogue of Kuroko-type massive sulphide deposits in the Okinawa Trough back-arc basin. *Nature*, 338, 496-499.
- 10-001 A.J. Crawford (ed.) 1989, *Boninites and related rocks.* In: A.J. Crawford (ed.), *Boninites and related rocks* Unwin Hyman, London 465 pp.
- 10-032 Smoot, N.C., 1989, The Marcus-Wake seamounts and guyots as paleofracture indicators and their relation to the Dutton ridge. *Marine Geology*, 88, 117-131.
- 10-073 前川寛和, 勝瑞雅也, 石井輝秋, 1989, 前弧オフィオライト. *地学雑誌*, 98, 55-65.
- 10-075 Maekawa, H., 1989, Two modes of mixing of Biei ophiolitic melange, Kamuikotan blueschist belt, Japan. *J. Geology*, 97, 93-108.
- 10-219 Blake, S., 1989, Viscoplastic models of lava domes. In *Lava Flows and Domes. IAVCEI Proceedings in Volcanology, Vol. 2.* Edited by J. H. Fink Springer-Verlag 88-126.
- 10-220 Fink, H., 1989, *Lava flows and Domes.* IAVCEI Proceedings in Volcanology, Vol. 2. Springer-Verlag 249pp.
- 10-232 Sun S., McDonough, W.F., 1989, Chemical and isotopic systematics of Oceanic basalts: implications for mantle composition and processes *Saunders, A.D., And Norry, M.J., Eds, Magmatism in the ocean basins, Geological Society Special publication* 42, 313-345.
- 10-322 Hiroki Kamala 1989, Shishimuta caldera, the buried source of the Yabakei pyroclastic flow in the Hoho volcanic zone, Japan *Bull volcanol*, 51, 41-50.
- 10-440 Tokiko TIBA, 1989, Petrochemistry of the Volcanic Rocks from Kuchino-shima, Nakano-shima and Suwanose-jima, Tokara Islands. *Mem. Natn. Sci. Mus., Tokyo*, 22, 1-19.
- 10-446 Dorrik A. V. Stow, 1 James R. Cochran, 2 and ODP Leg 116 Shipboard Scientific Party 1989, The Bengal Fan: Some Preliminary Results from ODP Drilling. *Geo-Marine Letters*, 9, 1-10.
- 99N-155 Francalanci, L., Manetti, P. and Peccerillo, A., 1989, Volcanological and magmatological evolution of Stromboli volcano (Aeolian Islands): the roles of fractional crystallization, magma mixing, crustal contamination and source heterogeneity: *Bull. Volcanol.*, 51, 355-378.
- 99N-50 de Silva, S. L., 1989, Altiplano-Puna volcanic complex of the central Andes: *Geol.*, 17, 1102-1103.
- 99N-51 Fisk, M. R., Duncan, R. A., Baxter, A. N., Greenough, J. D., Hargraves, R. B. and Tatsumi, Y., 1989, Reunion hotspot magma chemistry over the past 65 m.y.: Results from Leg 115 of the Ocean Drilling Program: *Geol.*, 17, 934-937.
- 99N-52 Brophy, J. G., 1989, Can high-alumina arc basalt be derive from low-alumina arc basalt? Evidence from Kanaga Island, Aleutian Arc, Alaska: *Geol.*, 17, 333-336.
- 99N-53 Arkani-Hamed, J. and Jolly, W. T., 1989, Generation of Archean tonalites: *Geol.*, 17, 307-310.

(Marine volcanology, Kumamoto Univ.)

- 99N-54 Lalonde, A. E., 1989, Hepburn intrusive suite: Peraluminous plutonism within a closing back-arc basin, Wopmay orogen, Canada: *Geology*, 17, 261-264.
- 99N-55 Rouer, O., Lapiere, H., Mascle, G., Coulon, C. and Albers, J., 1989, Geodynamic implications of Devonian silicic arc magmatism in the Sierra Nevada and Klamath Mountains, California: *Geol.*, 17, 177-180.
- 99N-56 Hawkesworth, C. and Ellam, R., 1989, Chemical fluxes and wedge replenishment rates along recent destructive plate margins: *Geology*, 17, 46-49.
- 99N-91 Kamata, H., 1989, Volcanic and structural history of Hoho volcanic zone, central Kyushu, Japan: *Bull. Volcanol.*, 51, 315-332.
- 99N-95 Kanisawa, S. and Yoshida, T., 1989, Genesis of the extremely low-K tonalites from the island arc volcanism Lithic fragments in the Adachi-Medeshima pumice deposits, North east Japan: *Bull. Volcanol.*, 51, 346-354.
- 99S-04 Ferrara, G., Petrini, R., Serri, G. and Tonarini, S., 1989, Petrology and isotope-geochemistry of San Vincenzo rhyolites (Tuscany, Italy): *Bull. Volcanol.*, 51, 379-388.
- 99S-125 Stalcup, E. M. and Arth, J. G., 1989, The nature of the Crust in the Yukon-Koyukuk province as inferred from the chemical and isotopic composition of five late Cretaceous to early Tertiary volcanic fields in western Alaska: *J. Geophys. Res.*, 94, 15989-16020.
- 99S-131 Leat, P. T., Thompson, R. N., Dickin, A. P., Morrison, M. A. and Hendry, G. L., 1989, Quaternary volcanism in northwestern Colorado: Implications for the roles of asthenosphere and lithosphere in the genesis of continental basalts: *J. Volcanol. Geotherm. Res.*, 37, 291-310.
- 99S-143 Kersting, A. B., Arculus, R. J., Delano, J. W. and Loureiro, D., 1989, Electrochemical measurements bearing on the oxidation state of the Skaergaard Layered Intrusion: *Contrib. Mineral. Petrol.*, 102, 376-388.
- 99S-158 Palmer, M. R. and Slack, J. F., 1989, Boron isotopic composition of tourmaline from massive sulfide deposits and tourmalinites: *Contrib. Mineral. Petrol.*, 103, 434-451.
- 99S-160 Poreda, R. and Craig, H., 1989, Helium isotope ratios in circum-Pacific volcanic arcs: *Nat.*, 338, 473-478.
- 99S-166 Oi, T., Nomura, M., Musashi, M., Osaka, T., Okamoto, M. Kakihana, H., 1989, Boron isotopic compositions of some boron minerals: *Geochem. Cosmochem. Acta.*, 53, 3189-3195.
- 99S-170 Gregory, R. T., Criss, R. and Taylor, Jr., H. P., 1989, Oxygen isotope exchange kinetics of mineral pairs in closed and open systems: Applications to problems of hydrothermal alteration of igneous rocks and Precambrian iron formations: *Chem. Geol.*, 75, 1-42.
- 99S-176 Saleeby, J. B., Shaw, H. F., Niemeyer, S., Moores, E. M. and Edelman, S. H., 1989, U/Pb, Sm/Nd and Rb/Sr geochronological and isotopic study of Northern Sierra Nevada ophiolitic assemblages, California: *Contrib. Mineral. Petrol.*, 102, 205-220.
- 99S-177 Delong, S. E. and Chatelain, C., 1989, Complementary trace-element fractionation in volcanic and plutonic rocks: Imperfect examples from ocean-floor basalts and gabbros: *Contrib. Mineral. Petrol.*, 102, 154-162.
- 99S-179 Richards, H. G., Cann, J. R. and Jensenius, J., 1989, Mineralogical zonation and metasomatism of the alteration pipes of Cyprus Sulfide deposits: *Economic Geol.*, 84, 91-115.
- 99S-27 Keppler, H., 1989, The influence of the fluid phase composition on the solidus temperatures in the haplogranite system NaAlSi<sub>3</sub>O<sub>8</sub>-KAlSi<sub>3</sub>O<sub>8</sub>-SiO<sub>2</sub>-H<sub>2</sub>O-CO<sub>2</sub>: *Contrib. Mineral. Petrol.*, 102, 321-327.
- 99S-49 Armienti, P., Innocenti, F., Petrini, R., Pompilio, M. and Villari, L., 1989, Petrology and Sr-Nd isotope geochemistry of recent lavas from Mt. Etna: bearing on the volcano feeding system: *J. Volcanol. Geotherm. Res.*, 39, 315-327.
- 99S-97 Bedard, J. H., 1989, Disequilibrium mantle melting: *Earth Planet. Sci. Lett.*, 91, 359-366.
- 99Y-11 Bennett, M. A., 1989, Quartz-spessartine metasediments (cotiules) and their protoliths in North Wales: *Geol. Mag.*, 126 (4), 435-442.
- 99Y-137 Bergantz, G. W., 1989, Underplating and partial melting: implications for melt generation and extraction: *Science*, 245, 1093-1095.
- 99Y-162 Francalanci, L., Manetti, P. and Peccerillo, A., 1989, Volcanological and magmatological evolution of Stromboli volcano (Aeolian Island): the roles of fractional crystallization, magma mixing, crustal contamination and source heterogeneity: *Bull. Volcanol.*, 51, 355-378.
- 99Y-166 Arai, S. (荒井章司), 1989, 日本列島の上部マントルかんらん岩: *月刊海洋*, 21, 47 - 54.
- 99Y-32 Musselwhite, D. S., DePaolo, D. J. and McCurry, M., 1989, The evolution of a silicic magma system: isotopic and chemical evidence from the Woods Mountains volcanic center, eastern California: *Contrib. Mineral. Petrol.*, 101, 19-29.
- 99Y-57 Middlemost, E. A. K., 1989, Iron oxidation ratios, norms and the classification of volcanic rocks: *Chemical Geol.*, 77, 19-26.
- 99Y-7 Harley, S. L., 1989, The origins of granulites: a metamorphic perspective: *Geol. Mag.*, 126 (3), 215-247.
- 99Y-86 Dobosi, G., 1989, Clinopyroxene zoning patterns in the young alkali basalts of Hungary and their petrogenetic significance: *Contrib. Mineral. Petrol.*, 101, 112-121.
- 99Y-88 Wayte, G. J., Worden, R. H., Rubie, D. C. and Droop, T. R., 1989, A TEM study of disequilibrium plagioclase breakdown at high pressure: the role of infiltrating fluid: *Contrib. Mineral. Petrol.*, 101, 426-437.
- 99-0129 Box, S.E. and Flower, M.F. J., 1989, Introduction to special section on alkaline arc magmatism: *J. Geophys. Res.*, 94, 4467-4469.
- 99-0131 Bloomer, S.H., Stern, R.J., Fisk, E. and Geschwind, C.H., 1989, Shoshonitic volcanism in the northern Mariana Arc 1. Mineralogic and major and trace element characteristics: *J. Geophys. Res.*, 94, 4469-4496.
- 99-0132 Lin, P.N., Stern, R.J. and Bloomer, S.H., 1989, Shoshonitic volcanism in the northern Mariana Arc 2. Large-ion lithophile and rare earth element abundances: evidence for the source of incompatible element enrichments in intraoceanic arcs: *J. Geophys. Res.*, 94, 4497-4514.
- 99-0133 Luhr, J.F., Allan, J.F., Carmichael, I.S.E., Nelson, S.A. and Hasenaka, T., 1989, Primitive calc-alkaline and alkaline rock types from the western Mexican volcanic belt: *J. Geophys. Res.*, 94, 4515-4530.
- 99-0134 Verma, S.P. and Nelson S.A., 1989, Isotopic and trace element constraints on the origin and evolution of alkalic and calc-alkaline magmas in the northwestern Mexican volcanic belt: *J. Geophys. Res.*, 94, 4531-4544.
- 99-0135 Gill, J. and Whelan, P., 1989, Postsubduction Ocean island alkali basalts in Fiji: *J. Geophys. Res.*, 94, 4579-4580.
- 99-0136 Ellan, R.M., Hawkesworth, C.J., Menzies, M.A. and Rogers, N.W., 1989, The volcanism of Southern Italy: role of subduction and the relationship between potassic and sodic alkaline magmatism: *J. Geophys. Res.*, 94, 4589-4601.
- 99-0137 Muñoz B, J. and Stern, C.R., 1989, Alkaline magmatism within the segment 38° -39° S of the Plio-Quaternary volcanic belt of the southern South American continental margin: *J. Geophys. Res.*, 94, 4545 - 4560.
- 99-0138 Varekamp, J.C. and Kalamarides, R.I., 1989, Hybridization processes in leucite tephrites from Vulcini, Italy, and the evolution of the Italian Potassic Suite: *J. Geophys. Res.*, 94, 4603-4618.
- 99-0139 Reagan, M.K. and Gill, J.B., 1989, coexisting calcalkaline and high-niobium basalts from Turrialba volcano, Costa Rica: implications for residual titanates in arc magma source: *J. Geophys. Res.*, 94, 4619-4633.
- 99-0140 Tatsumi, Y., 1989, Migration of fluid phases and genesis of basalt magmas in subduction zones: *J. Geophys. Res.*, 94, 4697-4707.
- 99-0141 Nakamura, E., Campbell, I.H., McCulloch, M.T. and Sun, S.S., 1989, Chemical geodynamics in a back arc region around the Sea of Japan: implications for the genesis of alkaline basalts in Japan, Korea, and China: *J. Geophys. Res.*, 94, 4634-4654.

99-0143	Gill, J. and Whelan, P.,	1989,	Early rifting of an oceanic island arc (Fiji) produced shoshonitic to tholeiitic basalt:	J. Geophys. Res.,	94,	4561-4578.
99-0144	Sloman, L.E.,	1989,	Trassic shoshonites from the dolomites, northern Italy: alkaline arc rocks in a strike-slip setting:	J. Geophys. Res.,	94,	4655-4666.
99-0145	Wyman, D.A. and Kerrich, R.	1989,	Archean lamprophyre dikes of the super province, Canada: distribution, petrology, and geochemical characteristics:	J. Geophys. Res.,	94,	4667-4696.
99-0155	Fountain, J.C., Hodge, D.S. and Shaw, R.P.,	1989,	Melt segregation in anatectic granites: a thermo-mechanical model:	J. Geophys. Res.,	39,	279-296.
99-0200	Furukawa, Y. and Uyeda, S.,	1989,	Thermal state under the Tohoku arc with consideration of crustal heat generation:	Tectonophysics,	164,	175-187.
99-0268	Kojima, S.,	1989,	Mesozoic terrane accretion in northeast China, Sikhote-Alin and Japan regions:	Palaeo. Palaeo. Palaeo. Palaeo.	69,	213-232.
99-0281	Arakawa, Y. and Takahashi, Y.,	1989,	Strontium isotopic and chemical variations of the granitic rocks in the Tsukuba district, Japan:	Contrib. Mineral. Petrol.,	101,	46-56.
99-0282	Morris, P.A. and Kagami, H.,	1989,	Nd and Sr isotope systematics of Miocene to Holocene volcanic rocks from Southwest Japan: volcanism since the opening of the Japan Sea:	Earth Planet. Sci. Lett.,	92,	335-346.
99-0309	Rogers, G. and Hawkesworth, C.J.,	1989,	A geochemical traverse across the North Chilean Andes: evidence for crust generation from the mantle wedge:	Earth Planet. Sci. Lett.,	91,	271-285.
99-0361	Wada, K.,	1989,	Mixing mechanism of heterogeneous magmas at the somma-building stage of Meakan volcano, eastern Hokkaido, Japan (in Japanese with English abstract):	Bull. Volcanol. Soc. Japan,	34,	89-104.
99-0530	Honza, E., Miyazaki, T. and Lock, J.,	1989,	Subduction erosion and accretion in the Solomon Sea region:	Tectonophysics,	160,	49-62.
99-0565	Watanabe, K.,	1989,	Fission track ages of Pleiocene volcanic rocks from Oyano-jima and Uto peninsula, Kumamoto Prefecture, Japan (in Japanese, with English abstract):	Technol. Rep. Kyushu Univ.,	62,	561-566.
99-0580	Hashida, T.,	1989,	Three-dimensional seismic attenuation structure beneath the Japanese islands and its tectonic and thermal implications:	Tectonophysics,	159,	163-180.
99-0605	Wilson, M.,	1989,	Relation of present-day magmatism to global tectonic processes:	In Igneous petrogenesis,	Unwin Hyman, London	3-12.
99-0606	Wilson, M.,	1989,	Back-arc basins:	In Igneous petrogenesis,	Unwin Hyman, London	227-241.
99-0607	Wilson, M.,	1989,	Continental rift zone magmatism:	In Igneous petrogenesis,	Unwin Hyman, London	325-374.
99-0608	Wilson, M.,	1989,	Active continental margins:	In Igneous petrogenesis,	Unwin Hyman, London	225-291.
99-0609	Wilson, M.,	1989,	Island arc:	In Igneous petrogenesis,	Unwin Hyman, London	153-190.
99-0614	Nagamune, T. and Tashiro, H.,	1989,	Shape of the Wadachi-Benioff zone beneath Kyushu, Japan (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	42,	13-19.
99-0677	Sugiyama, Y.,	1989,	Bend of the zonal structure of island arcs and oblique subduction as the cause of the bending. Part 2-Bending structures of the outer zone of Southwest Japan and the history of relative motion of the Philippine Sea Plate with respect to Southwest Japan (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	40,	543-564.
99-0708	Ogata, M.,	1989,	Geology of the Taradake volcanic area, northwestern Kyushu, Japan (In Japanese, with English abstract):	Jour. Geol. Soc. Japan,	95,	755-768.
99-0721	Kamata, H.,	1989,	Shishimuta caldera, the buried source of the Yabakei pyroclastic flow in the Hohi volcanic zone, Japan:	Bull. Volcanol.,	51,	41-50.
99-0722	Kamata, H.,	1989,	volcanic and structural history of the Hohi volcanic zone, central Kyushu, Japan:	Bull. Volcanol.,	51,	315-332.
99-0760	Ujike, O., Yoshida, T. and Aoki, K.,	1989,	九州南方, 大隈諸島近辺の火山岩類の光量子放射化分析:	核理研報告,	22,	104-112.
99-0810	Takagi, K. and Watanabe, K.,	1989,	石棺研究への一提言-阿蘇石の誤認とピンク石石棺の系譜-	古代文化	42,	21-32.
99-0814	Ikebe, S. and Watanabe, K.,	1989,	The 1989 eruption of Naka-dake, Aso volcano (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	34,	389-390.
99-0862	Watanabe, K., Itaya, T., Ono, K. and Takahashi, H.,	1989,	K-Ar ages of dike rocks in the southwestern region of Aso Caldera, Kyushu, Japan (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	34,	189-195.
99-0873	Watanabe, K., Ono, K., Kubodera, A., Sudo, Y. and Ikebe, S.,	1989,	阿蘇火山	日本火山学会1989年度秋季大会(火山学セミナー)		49 p
99-0892	Matsumoto, T. and Fujii, N.,	1989,	K-Ar age of two lavas from the Imuta Volcano, Kagoshima Prefecture, southern Kyushu (In Japanese, with English abstract):	J. Mineral. Petrol. Econ. Geol.,	84,	398-402.
99-0897	Fujii, N., Tsukimura, K. and Julio, J.M.,	1989,	Mode of occurrence and genetic processes of the Irikki kaolin deposit, southern Kyushu (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	40,	299-322.
99-0921	Song, Y. and Frey, F.A.,	1989,	Geochemistry of peridotite xenoliths in basalt from Hannuoba, Eastern China: implications for subcontinental mantle heterogeneity:	Geochem. Cosmochim. Acta.,	53,	97-113.
99-0952	Vrána, S.,	1989,	Perpotassic granulites from southern Bohemia: A new rock-type derived from partial melting of crustal rocks under upper mantle conditions	Contrib. Mineral. Petrol.,	103,	510-522.
99-0964	Downes, H., Bodinier, J.-L., Dupuy, C., Leyreloup, A. and Dostal, J.,	1989,	Isotope and trace-element heterogeneities in high-grade basic metamorphic rocks of Marvejols: tectonic implications for the Hercynian suture zone of the French Massif Central:	Lithos,	24,	37-54.
99-1017	Stolz, A.J. and Davies, G.R.,	1989,	Metasomatized lower crustal and upper mantle xenoliths from north Queensland: chemical and isotopic evidence bearing on the composition and source of the fluid phase:	Geochem. Cosmochim. Acta.,	53,	649-660.
99-1019	Cameron, E.M.,	1989,	Scouring of gold from lower crust:	Geology,	17,	26-29.
99-1033	Kanisawa, S. and Yoshida, T.,	1989,	Genesis of the extremely low-K tonalites from the island arc volcanism:	Bull. volcanol.,	51,	346-354.
99-1063	Jolivet, L., Huchon, P. and Rangin, C.,	1989,	Tectonic setting of Western Pacific marginal basins:	Tectonophysics,	160,	23-47.
99-1064	Yamazaki, T. and Okamura, Y.,	1989,	Subducting seamounts and deformation of overriding forearc wedges around Japan:	Tectonophysics,	160,	207-229.

99-1066	Sugiyama, Y.,	1989,	島弧における帯状構造の屈曲とプレートの斜め沈み込み第1部 西南日本外帯沖の屈曲構造とプレート境界地震:	地質調査所月報,	40,	533-541.
99-1068	Sugiyama, Y.,	1989,	島弧における帯状構造の屈曲とプレートの斜め沈み込み第2部 西南日本外帯の屈曲構造とプレート間相対運動の変遷:	地質調査所月報,	40,	543-564.
99-1069	Awata, Y. and Sugiyama, Y.,	1989,	Geological structure due to the right-lateral reverse faulting accompanied with the large earthquakes along the Nankai Trough (In Japanese):	地震,	42,	231-233.
99-1088	Hirata, K., Ikami, A., Ishida, M. and Mikumo, T.,	1989,	Three-dimensional P-wave velocity structure beneath Ceutral Japan: low-velocity bodies in the wedge portion of the upper mantle above high-velocity subducting plates:	Tectonophys,	163,	63-73.
99-1091	Nelson, E.P. and Forsythe, R.D.,	1989,	Ridge collision at convergent margins: implications for Archean and post-Archean crustal growth:	Tectonophys,	161,	307-315.
99-1095	Arndt, N.T. and Goldstein, S.L.,	1989,	An open boundary between lower continental crust and mantle: its role in crust formation and crustal recycling:	Tectonophys,	161,	201-212.
99-1098	Albarede, F.,	1989,	Sm / Nd constraints on the growth rate of continental crust:	Tectonophys,	161,	299-305.
99-1099	Warren, P.H.,	1989,	Growth of the continental crust: a planetary-mantle perspective:	Tectonophys,	161,	165-199.
99-1122	Taira, A. and Ai, J.,	1989,	付加島弧の火山島弧の地殻断面:	月刊地球		57-63.
99-1138	Kitchen, D.E.,	1989,	The disequilibrium partial melting and assimilation of Caledonian granite by Tertiary basalt at Barnesmore, Co. Donegal:	Geol. Mag.,	126,	397-405.
99-1144	Bacon, C.R., Adami, L.H. and Lanphere, M.A.,	1989,	Direct evidence for the origin of low-18O silicic magmas: quenched samples of a magma chamber's partially-fused granitoid walls, Crater Lake, Oregon:	Earth. Planet. Sci. Lett.,	96,	199-208.
99-1152	Oba, Y.,	1989,	Crystal clots from dome lavas (dacites) of Usu Volcano, Hokkaido (In Japanese, with English abstract):	J. Mineral. Petrol. Econ. Geol.,	84,	192-199.
99-1158	De Silva, S.L.,	1989,	The origin and significance of crystal rich inclusions in pumices from two Chilean ignimbrites:	Geol. Mag.,	126,	159-175.
99-1163	Woodhead, J. D.,	1989,	Geochemistry of the Mariana arc (western Pacific): source composition and processes:	Chem. Geol.,	76,	1-24.
99-1164	Woodhead, J.D. and McCulloch, M.T.,	1989,	Ancient seafloor signals in Pitcairn Island lavas and evidence for large amplitude, small length-scale mantle heterogeneities:	Earth. Planet. Sci. Lett.,	94,	257-273.
99-1305	Yoshida, T.,	1989,	東北本州弧第四紀火山岩類の研究	地質雑,	32,	353-384.
99-1313	Shuto, K.,	1989,	日本海拡大説からみた東北日本弧の第三紀火山活動:	地球科学,	43,	28-42.
99-1343	Notsu, K., Arakawa, Y., Nakano, S. and Yamasaki, M.,	1989,	Lateral variation in 87Sr/86Sr ratios of volcanic rocks from central Japan:	Geochem. J.,	23,	45-55.
99-1345	Notsu, K., Arakawa, Y., Nakano, S. and Yamasaki, M.,	1989,	Lateral variation in 87Sr/86Sr ratios of volcanic rocks from central Japan:	Geochem. J.,	23,	45-55.
99-1368	Sato, H.,	1989,	過酸化水素水処理—比濁法による硫黄分析と堆積環境:	第四紀研究,	28,	35-40.
99-1369	Ishikawa, K. and Kanisawa, S.,	1989,	フレイムレス原子吸光法による珪酸塩岩石中の微量元素の定量	岩鉱,	81,	492-496.
99-1373	William-Jones, A.E. and Ferreira, D.R.,	1989,	Thermal metamorphism and H2O-Co2-NaCl immiscibility at Patapedia, Quebec: evidence from fluid inclusions:	Contrib. Mineral. Petrol.,	102,	247-254.
99-1374	Michael, P.J. and Schilling, J.-G.,	1989,	Chlorine in mid-ocean ridge magmas: evidence for assimilation of seawater-influenced components:	Geochim. et Cosmochim. Act.,	53,	3131-3143.
99-1436	Mass, C.F. and Portman, D.A.,	1989,	Major volcanic eruptions and climate: a critical evaluation.	Jour. Climate,	2,	566-593.
99-1453	Sigurdsson, H. and Carey, S.,	1989,	Plinian and co-ignimbrite tephra fall from the 1815 eruption of Tambora volcano.	Bull. volcanol.,	51,	243-270.
99-1454	Smith, T.L. and Batiza, R.,	1989,	New field and laboratory evidence for the origin of hyaloclastite flows on seamount summits.	Bull. volcanol.,	51,	96-114.
99-1455	Bloomer, S.H., Stern, R.J. and Smoot, N.C.,	1989,	Physical volcanology of the submarine Mariana and Volcano Arcs.	Bull. volcanol.,	51,	210-224.
99-1456	Handler, P.,	1989,	The effect of volcanic aerosols on global climate.	Jour.Volcanol. Geotherm	37,	233-249.
12-107	Friedrich-Wilhelm Tesch	1989,	Changes in swimming depth and direction of silver eels ( <i>Anguilla anguilla</i> L.) from the continental shelf to the deep sea.	Aquat. Uuillg Resolr.,	2,	9-20.
12-126	MICHAEL E. BERNDT1, WILLIAM E. SEYFRIF.D, JR.I and DAVID R. JANECKY 1	1989,	Plagioclase and epidote buffering of cation ratios in mid-ocean ridge hydrothermal fluids: experimental results in and near the supercritical region.	Geochimica et Cosmochimica Acta,	53,	2283-2300.
12-167	S.E. KESSON and A.E. RINGWOOD	1989,	Slab-mantle interactions 2. The foermentation of diamonds.	Chemical geology,	78,	97-118.
12-168	S.E. KESSON and A.E. RINGWOOD	1989,	Slab-mantle interactions 1. Sheared and refertilised garnet peridotite xenoliths - samples of Wadati	Chemical geology,	78,	83-96.
12-186	EDWARD R. SHOLKOVITZ, I DONALD J. PJEPRGRAS,2 . * and STEIN B. JACOBSEN2	1989,	The pore water chemistry of rare earth elements in Buzzards Bay sediments.	Geochimica et Cosmochimica Acta,	53,	2847-2856.
12-198	JULIE MORRIS and FOUAD TERA	1989,	10Be and 9Be in mineral separates and whole rocks from volcanic arcs: Implications for sediment subduction.	Geochimica et Cosmochimica Acta,	53,	3197-3206.
12-217	CLIVE R. NEALI and JON P. DAVIDSON2	1989,	An unmetasomatized source for the Malaitan alnoite (Solomon Islands): Petrogenesis involving zone refining, megacryst fractionation, and assimilation of oceanic lithosphere.	Geochimica et Cosmochimica Acta,	53,	1975-1990.
12-218	CLIVE R. NEAL and LAWRENCE A. TAYLOR	1989,	A negative Ce anomaly in a peridotite xenolith: Evidence for crustal recycling into the mantle or mantle metasomatism?	Geochimica et Cosmochimica Acta,	53,	1035-1040.
12-380	D.S. Musselwhite', O.J. DePaolo 2 M. McCurry	1989,	The evolution of a silicic magma system: isotopic and chemical evidence from the Woods Mountains Volcanic Center, eastern California.	Contrib Mineral Petrol	101,	19-29.
12-391	JOHN N. CHRISTENSEN, JOHN L. ROSENFELD,* DONALD J. DEPAOLO	1989,	Rates of tectonometamorphic processes from Rubidium and Strontium isotopes in Garnet.	Science,	244,	1465-1469.
12-407	Dalila Ben Othman , William M. White, and Jonathan Patchett,	1989,	The geochemistry of marine sediments, island arc magama genesis, and crust-mantle recycling.	Earth and Planetary Science Letters,	94,	1-21.
12-426	D.S. Musselwhite1, D.J. DePaolo 2, M. McCurry	1989,	The evolution of silicic magma system: isotopic and chemical evidence from the Woods Mountains Volcanic Center, eastern California.	Contrib Mineral Petrol	101,	19-29.
12-b023	JAMES L. BISCHOFF* and KENNETH S. PITZER**	1989,	Liquid-vapor relations for the system NaCl-H2O: summary of the P-T-x surface from 300°C to 500°C.	Amer. Jour. Sci.,	589,	217-248.



(Marine volcanology, Kumamoto Univ.)

- 16-027 SIERD CLOETINGH, 1/2 RINUS WORTEL 1 and N. J. VLAAR 1 1989, On the initiation of subduction zones. PAGEOPH, 129, 7-24.
- 16-028 WILLIAM R. MCCANN 1 and RAY E. HABERMANN 2 1989, Morphologic and Geologic Effects of the Subduction of Bathymetric Highs. PAGEOPH, 129, 41-69.
- 16-029 EUAN G. C. SMITH, 1 TIM STERN 1 and MARTIN REYNERS 1 1989, Subduction and Back-arc activity at the Hikurangi convergent margin, New Zealand. PAGEOPH, 129, 203-231.
- 16-069 B.A. Bauml, Z. W. B. Krantz, J. H. Fink, and R. E. Dickinson 1989, TAYLOR INSTABILITY IN RHYOLITE LAVA FLOWS JOURNAL OF GEOPHYSICAL RESEARCH 94, 5815-5828.
- 16-102 B.A. Bauml • 2, W. B. Krantz, J. H. Fink, and R. E. Dickinson 1989, TAYLOR INSTABILITY IN RHYOLITE LAVA FLOWS JOURNAL OF GEOPHYSICAL RESEARCH 94, 5815-5828.
- 12-132 本藏義守、 1988、 上部マントルの電気伝導度構造とマグマ起源。 33、 203-212.
- 12-382 丸山孝彦 山本正継 吉岡修司 1988、 男鹿半島寒風火山の地質と岩石 秋田大学鉱山学部資源地学 53、 1-16. 研究施設報告、
- 04-025 Champion, D.E., Lanphere, M.A., and Kuntz, M.A., 1988, Evidence for a new geomagnetic reversal from lava flows in Idaho: discussion of short polarity reversals in the Brunhes and late Matsuyama polarity chrons. J. Geophys. Res., 93, 11667-11680.
- 00-0017 Lipman, P.W., Normark, W.R., Moore, J.G., Wilson, J.B. and Gutmacher, C.E., 1988, The giant submarine Alika debris slide, Mauna Loa, Hawaii J. Geophys. Res., 93, 4279-4299.
- 00-0200 Crandell, D. R., 1988, Gigantic debris avalanche of Pleistocene age from ancestral mount Shasta volcano, California and Debris-avalanche hazard zonation. U. S. geol. Surv. Bull., 1861, 29pp
- 00-0201 Smith, G. A., 1988, Sedimentology of proximal to distal volcanoclastics dispersed across an active foldbelt: Ellensburg Formation (late Miocene), central Washington. Sedimentology, 35, 953-977,
- 00-0233 Peterson, D.W. and Moore, R.B., 1988, Geologic history and evolution of geologic concepts, island of Hawaii U. S. Geol. Surv. Prof. 1350, 149-189.
- 02-0037 Newhall, C.G., Dzurisin, D., 1988, Historical unrest at Large Calderas of the world. U.S.Geol. Surv.Bull., 1855, 375-453
- 02-0066 Huppert, H.E., Sparks, R.S.J., 1988, The generation of granitic magmas by intrusion of basalt into continental crust. J. Petrology, 29, 599-624.
- 02-0098 Hill, D.P., and Zucca, J.J., 1988, Geophysical constraints on the structure of Kilauea and Mauna Loa volcanoes and some implications for seismomagmatic process. U. S. Geol. Surv. Prof. Pap., 1350, 149-189.
- 02-0101 Dieterich, J.H., 1988, Growth and persistence of Hawaiian Volcanic rift zones. J. Geophys. Res., 93, 4258-
- 02-0124 Moore, R.B., Clague, D.A., Rubin, M., and Bohrsen, W.A., 1988, Hualalai volcano: A preliminary summary of geologic, petrologic, and geophysical data. U.S.Geol. Surv. Prof. Pap., 1350, 571-585.
- 02-0148 Clague, D.A., and Dalrymple, G.B., 1988, Age and petrology of alkalic postshield and rejuvenated-stage lava from Kauai, Hawaii. Contrib. Mineral. Petrol., 99, 202-218.
- 03-0101 Scott, K.M., 1988, Origins, behavior, and sedimentology of lahar-runout flows in the Toutle-Cowlitz river system. U. S. Geol. Surv. Prof. Pap., 1447-A, 74p
- 04-029 Editors: Keating, B.H., Fryer, P., Batiza, R., and Boehlert, G., 1988, Seamounts, Islands, and Atolls Geophysical Monograph, 43, Amer. Geophys. Union 54 pp.
- 04-075 Clague, D.A., Moore, J.G., Torresan, M., Holcomb, R., and Lipman, P., 1988, Sibporad report for Hawaii GLORIA ground-truth cruise F2-88-HW, 25 Feb.-9 March, 1988. U.S. Geol. Surv., Open-File report, 88-292,
- 05-021 Nagaoka, S., 1988, The late Quaternary tephra layers from the caldera volcanoes in and around Kagoshima Bay, Southern Kyushu, Japan. Geogr. Rep. Tokyo Metropolitan Univ., 23, 49-122.
- 06-053 DePaolo, D.J., 1988, Neodymium Isotope Geochemistry: An Introduction Springer-Verlag, NY 187pp
- 06-061 Terakado, Y., Shimizu, H., Masuda, A., 1988, Nd and Sr isotopic variations in acidic rocks formed under a peculiar tectonic environment in Miocene Southwest Japan. Contrib. Min. Petrol. 99, 1-10.
- 06-1017 DePaolo, D.J., 1988, Neodymium Isotope Geochemistry: An Introduction Springer-Verlag, NY 187pp
- 06-1021 Dupre, B., Blanc, G., Boulegue, J., Allegre, C.J., 1988, Metal remobilization at a spreading center studied using lead isotopes. Nat., 333, 165-
- 06-1022 Copeland, P., Parrish, R.R., Harrison, T.M., 1988, Identification of inherited radiogenic Pb in monazite and its implications for U-Pb systematics. Nat., 333, 760-
- 06-1023 Paria, P., Bhattacharya, A., and Sen, S.K., 1988, The reaction garnet + quartz = 2 orthopyroxene + anorthite: a potential geobarometer for granulites. Contrib. Min. Petrol. 99, 126-133.
- 06-1024 Rampino, M.R., Self, S., Stothers, R.B., 1988, Volcanic winters, Ann. Rev. Earth Planet. 16, 73-99.
- 06-1068 Mass, C.F., Portman, D.A., 1988, Major volcanic eruptions and climate: a critical evaluation. J. Climate, 2, 566-
- 06-1071 Hamelin, B., Allegre, C.J., 1988, Lead isotope study of orogenic lherzolite massifs. Earth and Planetary Sci., 91, 117-131. Letters,
- 06-111 Thomas, A.V., Bray, C.J., Spooner, E.T.C., 1988, A discussion of the Jahns-Burnham proposal for the formation of zoned granitic pegmatites using solid-liquid-vapour inclusions from the Tanco Pegmatite, S.E. Manitoba, Canada. Trans. Royal Soc. Edinber. Earth Sci., 79, 299-315.
- 06-112 Lipman, P.W., 1988, Evolution of silicic magma in the upper crust: the mid-Tertiary Latir volcanic field and its cogenetic granitic batholith, northern New Mexico, U.S.A.. Trans. Royal Soc. Edinber. Earth Sci., 79, 265-288.
- 06-1127 大村明雄 1988, ウラン系列年代測定法 地質学論集 29, 107-117
- 06-113 Hutton, D.H.W., 1988, Granite emplacement mechanisms and tectonic controls: inferences from deformation studies. Trans. Royal Soc. Edinber. Earth Sci., 79, 245-255.
- 06-114 Huppert, H.E., Sparks, R.S.J., 1988, The fluid dynamics of crustal melting by injection of basaltic sills. Trans. Royal Soc. Edinber. Earth Sci., 79, 237-243.
- 06-115 Zen E-an 1988, Thermal modelling of stepwise anatexis in a thrust-thickened sialic crust. Trans. Royal Soc. Edinber. Earth Sci., 79, 223-235.
- 06-116 Tait, R.E., Harley, S.L., 1988, Local processes involved in the generation of migmatites within mafic granulites. Trans. Royal Soc. Edinber. Earth Sci., 79, 209-222.
- 06-117 Sawka, W.N., 1988, REE and trace element variations in accessory minerals and hornblende from the strongly zoned McMurtry Meadows pluton, California. Trans. Royal Soc. Edinber. Earth Sci., 79, 157-168.
- 06-118 Miller, C.F., Watson, E.B., Harrison, T.M., 1988, Perspectives on the source, segregation and transport of granitoid magmas. Trans. Royal Soc. Edinber. Earth Sci., 79, 135-156.

- 06-119 Pankhurst, R.J., Hole, M.J., Brook, M., 1988, Isotope evidence for the origin of Andean granites. Trans. Royal Soc. Edinber. Earth Sci., 79, 123-133.
- 06-120 Chappell, B.W., Stephens, W.E., 1988, Origin of infracrustal (I-type) granite magmas. Trans. Royal Soc. Edinber. Earth Sci., 79, 71-86.
- 06-144 Omura, A., Kawai, S., Tamanyu, S., 1988, Dating of volcanic products by the radioactive disequilibrium system between  $^{238}\text{U}$  and  $^{230}\text{Th}$  (in Japanese). Bull. Geol. Surv. Japan, 39, 559-572.
- 06-147 Hidaka, H., Masuda, A., 1988, Nuclide analyses of rare earth elements of the Oklo uranium ore samples: a new method to estimate the neutron fluence. Earth Planet. Sci. Lett., 88, 330-336.
- 06-3054 Cas, R.A.F., Wright, J.V., 1988, 6.8 Surtseyan and phreatoplinian. In volcanic succession, chapter 6. modern pyroclastic fall deposits and their eruptions. Unwin Hyman, London, 157-163.
- 07-005 Barber, T., Brown, K., 1988, Mud diapirism: the origin of melanges in accretionary complexes? Geol. today, 89-94.
- 07-036 加藤祐三, 1988, 福徳岡の場から琉球列島に漂着した灰色軽石. 火山, 33, 21-30.
- 07-098F Birck, J.-L., Allegre, C.J., 1988, Manganese-chromium isotope systematics and the development of the early solar system. Nat., 331, 579-584.
- 07-103 Gittins, J., 1988, Partial melting of fenitized crustal xenoliths in the Oldoinyo Lengai carbonatitic volcano, Tanzania: Discussion. Amer. Min., 73, 1465-1467.
- 07-104 Bodinier, J.L., Dupuy, C., Dostal, J., 1988, Geochemistry and petrogenesis of eastern pyrenean peridotites. Geochem. Cosmochem. Acta, 52, 2893-2907.
- 07-104 Martin, R.F., Morogan, V., 1988, Partial melting of fenitized crustal xenoliths in the Oldoinyo Lengai carbonatitic volcano, Tanzania: Reply. Amer. Min., 73, 1468-1471.
- 07-104F Dautria, J.M., Dostal, J., Dupuy, C., Liotard, J.M., 1988, Geochemistry and petrogenesis of alkali basalts from Tahalra (Hoggar, Northwest Africa). Chemical. Geol., 69, 17-35.
- 07-104s Ellam, R.M., Hawkesworth, C.J., 1988, Elemental and isotopic variations in subduction related basalts: evidence for a three component model. Contrib., Mineral., Petrol., 98, 72-80.
- 07-110s Ellam, R.M., Menzies, M.A., Hawkesworth, C.J., Leeman, W.P., Rosi, M., Serri, G., 1988, The transition from calc-alkaline to potassic orogenic magmatism in the Aeolian islands, Southern Italy. Bull. Volcanol., 50, 386-398.
- 07-112s Ellam, R.M., Hawkesworth, C.J., 1988, Is average continental crust generated at subduction zones? Geol., 16, 314-317.
- 07-113s Lightfoot, P., Hawkesworth, C., 1988, Origin of Deccan Trap lavas: evidence from combined trace element and Sr, Nd, and Pb-isotope studies. Earth Planet. Sci. Lett., 91, 89-104.
- 07-115F Allegre, C.J., Lewin, E., Dupre, B., 1988, A coherent crust-mantle model for the uranium-thorium-lead isotopic system. Chemical. Geol., 70, 211-234.
- 07-119F Carlson, R.W., Hart, W., 1988, Flood basalt volcanism in the Northwestern United States. In Continental flood basalts, J.D. Macdougall (ed.) Kluwer Academic Publisher, 35-61.
- 07-124F Knoper, M.W., Condie, K.C., 1988, Geochemistry and petrogenesis of early Proterozoic amphibolites, west-central Colorado, U.S.A. Chemical. Geol., 67, 209-225.
- 07-128F Condomines, M., Hemond, Ch., Allegre, C.J., 1988, U-Th-Ra radioactive disequilibria and magmatic processes. Earth Planet. Sci. Lett., 90, 243-262.
- 07-152 Bacon, C.R., Hirschmann, M.M., 1988, Mg/Mn partitioning as a test for equilibrium between coexisting Fe-Ti oxides. Amer. Min., 73, 57-61.
- 07-154 Bacon, C.R., Druitt, T.H., 1988, Compositional evolution of the zoned calcalkaline magma chamber of Mount Mazama, Crater Lake, Oregon. Contrib., Mineral., Petrol., 98, 224-256.
- 07-164F Vielzeuf, D., Holloway, J.R., 1988, Experimental determination of the fluid-absent melting relations in the pelitic system. Contrib., Mineral., Petrol., 98, 257-276.
- 07-166s Fodor, R.V., Vandermeiden, H.J., 1988, Petrology of gabbroic xenoliths from Mauna Kea volcano, Hawaii. J. Geophys. Res., 93, 4435-4450.
- 07-171s 鎌田浩毅, 星住英夫, 小屋口剛博, 1988, 中部九州—中国地方西部の火山フロントの形成年代. 月刊地球, 10, 568-575.
- 07-244 Cas, R.A.F., Wright, J.V., 1988, Chapter 4. Lava flows. In volcanic succession, chapter 6. modern pyroclastic fall deposits and their eruptions. Unwin Hyman, London, 59-91.
- 08-060 Clague, D.A., Dalrymple, G.B., 1988, Age and petrology of alkalic postshield and rejuvenated-stage lava from Kauai, Hawaii. Contrib. Mineral. Petrol., 99, 202-218.
- 08-065 Postma, G., Nemeck, W., Kleinspehn, K.L., 1988, Large floating clasts in turbidites: a mechanism for their emplacement. Sedimentary Geology, 58, 47-61.
- 08-129 Kay, R.W., Kay, S.M., 1988, Crustal recycling and the Aleutian arc. Geochim. et. Cosmochim. Acta, 52, 1351-1360.
- 08-141 Klein, E.M., Langmuir, C.H., Zindler, A., Staudigel, H., Hamelin, B., 1988, Isotope evidence of a mantle convection boundary at the Australian-Antarctic discordance. Nature, 333, 623-629.
- 08-146 Hamelin, B., Dupre, B., Brevart, O., Allegre, C., 1988, Metallogenesis at Paleo-spreading centers: lead isotopes in sulfides, rocks and sediments from the Troodos ophiolite (Cyprus). Chemical Geol., 68, 229-238.
- 08-153 Spear, F.S., 1988, The Gibbs method and Duhem's theorem: The quantitative relationships among P,T, chemical potential, phase composition and reaction progress in igneous and metamorphic systems. Contrib. Mineral. Petrol., 99, 249-256.
- 08-167 Breton, N.L., Thompson, A.B., 1988, Fluid-absent (dehydration) melting of biotite in metapelites in the early stages of crustal anatexis. Contrib. Mineral. Petrol., 99, 226-237.
- 08-174 Bick, M.J., Wickham, S.M., Chapman, H.J., Taylor, Jr., H.P., 1988, A strontium, neodymium and oxygen isotope study of hydrothermal metamorphism and crustal anatexis in the Trois Seigneurs Massif, Pyrenees, France. Contrib. Mineral. Petrol., 100, 399-417.
- 08-191 長宗留夫, 1988, 日向灘から奄美大島近海にかけての海域における地震活動. 鹿児島大学理学部紀要(地学・生物学), 21, 23-33.
- 08-204 Zhou, X.-H., Zhu, B.-Q., Liu, R.-X., Chen, W.-J., 1988, Cenozoic basaltic rocks in Eastern China. In Continental flood basalts (ed. J.D. Macdougall.) Kluwer Academic publishers, 311-330.
- 08-226 Salter, V.J.M. Shimizu, N., 1988, World-wide occurrence of HFSE-depleted mantle. Geochim et Cosmochim Acta, 52, 2177-2182.
- 08-234 Chase, C.G., Patchett, P.J., 1988, Stored mafic / ultramafic crust and early Archean mantle depletion. Earth Planet. Sci. Lett., 91, 66-72.
- 08-244 O'Nions, R.K., McKenzie, D.P., 1988, Melting and continent generation. Earth Planet. Sci. Lett., 90, 449-456.
- 08-245 O'Nions, R.K., Oxburgh, E.R., 1988, Helium, volatile fluxes and the development of continental crust. Earth Planet. Sci. Lett., 90, 331-347.

- |          |  |       |   |   |                          |                       |
|----------|--|-------|---|---|--------------------------|-----------------------|
| 08-247   | Cohen, A.S., O'Nions, R.K., Siegenthaler, R., Griffin, W.L.,   | 1988, | Chronology of the pressure-temperature history recorded by a granulite terrain.   | Contrib. Min. Petrol.,  | 98,                      | 303-311.              |
| 08-260   | Wyllie, P.J.,  | 1988, | Solidus curves, mantle plumes, and magma generation beneath Hawaii.   | J. Geophys. Res.,   | 93,                      | 4171-                 |
| 08-274   | Rutter, M.J., Wyllie, P.J.,  | 1988, | Melting of vapour-absent tonalite at 10 kbar to simulate dehydration-melting in the deep crust.   | Nature,   | 331,                     | 159-160.              |
| 08-275   | Johnston, A.D., Wyllie, P.J.,  | 1988, | The reaction sillimanite+Biotite+Quartz $\leftrightarrow$ Cordierite + K-Feldspar+H <sub>2</sub> O and partial melting in the system K <sub>2</sub> O-FeO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O. | Contrib. Min. Petrol.,  | 100,                     | 35-46.                |
| 08-359   | Ernst, R.E., Fowler, A.D., Pearce, T.H.,   | 1988, | Modelling of igneous fractionation and other processes using Pearce diagrams.   | Contrib. Min. Petrol.,  | 100,                     | 12-18.                |
| 08-368   | Ruiz, J., Patchett, P.J., Arculus, R.J.,   | 1988, | Nd-Sr isotope composition of lower crustal xenoliths --- evidence for the origin of mid-tertiary felsic volcanics in Mexico.  | Contrib. Mineral. Petrol.,  | 99,                      | 36-43.                |
| 08-370   | Ruiz, J., Patchett, P.J., Ortega-Gutierrez, F.,  | 1988, | Proterozoic and Phanerozoic basement terranes of Mexico from Nd isotopic studies.   | Geol. Soc. Amer. Min.,  | 100,                     | 274-281.              |
| 08-374   | Ruiz, J., Patchett, P.J., Arculus, R.J.,   | 1988, | Nd-Sr isotopic composition of lower crustal xenoliths --- evidence for the origin of mid-tertiary felsic volcanics in Mexico.   | Contrib. Mineral. Petrol.,  | 99,                      | 36-43.                |
| 08-376   | Piepgras, D.J., Jacobsen, S.B.,  | 1988, | The isotopic composition of neodymium in the North Pacific.   | Geochim et Cosmochim  | 52,                      | 1373-                 |
| 08-388   | Ryan, J.G., Langmuir, C.H.,  | 1988, | Beryllium systematics in young volcanic rocks: implications for 10Be.   | Geochim. et. Cosmochim.   | 52,                      | 237-244.              |
| 08-390   | Ryan, J.G., Langmuir, C.H.,  | 1988, | Beryllium systematics in young volcanic rocks: implications for 10Be.   | Geochim. et. Cosmochim.   | 52,                      | 237-244.              |
| 08-399   | Ringwood, A.E., Irfune, T.,  | 1988, | Nature of the 650-km seismic discontinuity: implications for mantle dynamics and differentiation.   | Nature,   | 331,                     | 131-136.              |
| 08-420   | Mackenzie, D.E., Black, L.P., Sun, S.-S.,  | 1988, | Origin of alkali-feldspar granites: an example from the Poimena granite, northeastern Tasmania, Australia.  | Geochim. et. Cosmochim. Acta.,  | 52,                      | 2507-2524.            |
| 08-426   | Sun, S.-S., McDonough, W.F., Ewart, A.,  | 1988, | Three-component dynamic model for East-Australian basalt.   | Intraplate volcanism in eastern Australia and New Zealand. Editors R.W. Johnson and S.R., Taylor, | Australian Academy Sci., | draft                 |
| 08-435   | Tatsumi, Y., Nohda, S., Ishizaka, K.,  | 1988, | Secular variation of magma source compositions beneath the northeast Japan arc.   | Chemical Geol.,   | 68,                      | 309-316.              |
| 09-038   | Kuroda, N., Shiraki, K., Urano, H.,  | 1988, | Ferropigeonite quartz dacites from Chichi-jima, Bonin Islands: latest differentiates from boninite-forming magma.   | Contrib. Mineral. Petrol.,  | 100,                     | 129-138.              |
| 09-132   | Kimura, M., Uyeda, S., Kato, Y., Tanaka, T., Yamano, M., Gamo, T., Sakai, H., Kato, S., Izawa, E., Oomori, T., | 1988, | Active hydrothermal mounds in the Okinawa Trough backarc basin, Japan.  | Tectonophysics,   | 145,                     | 319-324.              |
| 10-088   | 石井輝秋, 渡辺正晴, 石塚明男, 太田秀, 酒井均, 原村寛, 鹿園直建, 富樫和也, 栗袋佳孝, 富永健, 鎮西清高, 堀越増興, 松本英二,                                      | 1988, | 「しんかい2000」によるシロウリガイ群生地を含む相模湾西部の地質学的研究.  | 海洋科学技術センター試験研究報告,   |                          | 189-218.              |
| 10-176   | Clift, P.D., Lee, J.,  | 1988, | Temporal evolution of the Mariana arc during rifting of the Mariana Trough traced through the volcanoclastic record.  | The Island arc,   | 7,                       | 496-512.              |
| 10-368   | 長宗留男,  | 1988, | 日向灘から奄美大島近海にかけての海域における地震活動.   | 鹿児島大学理学部紀要(地学・生物学),   | 21,                      | 23-33.                |
| 10-373   | Christopher G. Newhall, Daniel Dzurisin  | 1988, | Historical unrest at large calderas of the world volume 1   | U.S. geological survey bull.,   | 1855,                    | 599pp.                |
| 10-373_2 | Christopher G. Newhall, Daniel Dzurisin  | 1988, | Historical unrest at large calderas of the world volume 2   | U.S. geological survey bull.,   | 1855,                    | 260pp.                |
| 10-430   | Robert J. Stern, Sherman H. Bloomer, Ping-Nan Lin, Emi Ito and Julie Morris                                    | 1988, | Shoshonitic magmas in nascent arcs: New evidence from submarine volcanoes in the northern Marianas.   | Geology,  | 16,                      | 426-430.              |
| 99N-119  | Plank, T. and Langmuir, C. H.,   | 1988, | An evaluation of the global variations in the major element chemistry of arc basalt:  | Earth Planet. Sci. Lett.,   | 90,                      | 349-370.              |
| 99N-165  | O'Nions, R. K. and McKenzie, D. P., Hill, R. I. and Siver, L. T.,  | 1988, | Melting and continent generation: San Jacinto intrusive complex 3. Constraints on crustal magma chamber processes from strontium isotope heterogeneity:   | Earth Planet. Sci. Lett., J. Geophys. Res.,   | 90, 93,                  | 449-456. 10373-10388. |
| 99N-166  | Hill, R. I., Chappell, B. W. and Siver, L. T.,   | 1988, | San Jacinto intrusive complex 2. Geochemistry:  | J. Geophys. Res.,   | 93,                      | 10373-10388.          |
| 99S-102  | Loubet, M., Sassi, R. and Donato, G. D.,   | 1988, | Mantle heterogeneities: A combined isotope and trace element approach and evidence for recycled continental crust materials in some OIB sources:  | Earth Planet. Sci. Lett.,   | 89,                      | 299-315.              |
| 99S-106  | Ellam, R. M. and Rogers, N. W.,  | 1988, | Comment on "mantle mixing and crustal contamination as the origin of the high-Sr radiogenic magmatism of Stromboli (Aeolian arc)" by B. Luais:  | Earth Planet. Sci. Lett.,   | 91,                      | 239-243.              |
| 99S-11   | Ujike, O.,   | 1988, | Probable mineralogical control on the mantle metasomatic fluid composition beneath the Northeast Japan arc:   | Geochem. Cosmochem. Acta.,  | 52,                      | 2037-2046.            |
| 99S-116  | Hill, R. I.,   | 1988, | San Jacinto intrusive complex, 1. Geology and mineral chemistry, and a model for intermittent recharge of tonalitic magma chambers:   | J. Geophys. Res.,   | 93,                      | 10325-10348.          |
| 99S-120  | Grove, T. L., Kinzler, R. J., Baker, M. B., Nolan, J. M. D. and Leshner, C. E.,                                | 1988, | Assimilation of granite by basaltic magma at Burnt Lava Flow, Medicine Lake volcano, northern California: Decoupling of heat and mass transfer:   | Contrib. Mineral. Petrol.,  | 99,                      | 320-343.              |
| 99S-147  | Plank, T. and Langmuir, C.H.,  | 1988, | An evaluation of the global variations in the major element chemistry of arc basalts:   | Earth Planet. Sci. Lett.,   | 90,                      | 349-370.              |
| 99S-173  | Brouxel, M. and Lapiere, H.,   | 1988, | Geochemical study of an early Paleozoic island-arc-back-arc basin system. Part 1: The trinity Ophiolite (northern California):  | Geol. Soc. Amer. Bull.,   | 100,                     | 1111-1119.            |
| 99S-174  | Brouxel, M., Lapiere, H., Michard, A. and Albarede, F.,  | 1988, | Geochemical study of an early Paleozoic island-arc-back-arc basin system. Part 2: Eastern Klamath, early to middle Paleozoic island-arc volcanic rocks (northern California):   | Geol. Soc. Amer. Bull.,   | 100,                     | 1120-1130.            |
| 99S-22   | Nicholls, J.,  | 1988, | The statistics of Pearce element diagrams and the Chayes closure problem:   | Contrib. Mineral. Petrol.,  | 99,                      | 11-24.                |
| 99S-23   | Russell, J. K. and Nicholls, J.,   | 1988, | Analysis of petrologic hypotheses with Pearce element ratios:   | Contrib. Mineral. Petrol.,  | 99,                      | 25-35.                |
| 99S-48   | Downes, H. and Duthou, J.,   | 1988, | Isotope and trace-element arguments for the lower-crustal origin of Hercynian granitoids and pre-Hercynian orthogneisses, massif central (France):  | Chemical. Geol.,  | 68,                      | 291-308.              |

- 99S-76 Witt, G. and Seck, H. A., 1988, Origin of amphibole in recrystallized and porphyroclastic mantle xenoliths from the Rhenish Massif: Implications for the nature of mantle metasomatism: Earth Planet. Sci. Lett., 91, 327-340.
- 99S-96 Monaghan, M. C., Klein, J. and Measures, C. I., 1988, The origin of 10Be in island-arc volcanic rocks: Earth Planet. Sci. Lett., 89, 288-298.
- 99S-98 Volpe, A. M., Macdougall, J. D. and Hawkins, J. W., 1988, Lau basin basalts (LBB): Trace element and Sr-Nd isotopic evidence for heterogeneity in backarc basin mantle: Earth Planet. Sci. Lett., 90, 174-186.
- 99Y-113 Donaldson, C. H. and Henderson, C. M. B., 1988, A new interpretation of round embayments in quartz crystals: Mineralogical magazine, 52, 27-33.
- 99Y-114 Duggan, M. B., 1988, Zirconium-rich sodic pyroxenes in felsic volcanics from the Warrumbungle volcano, central New South Wales, Australia: Mineralogical magazine, 52, 491-496.
- 99Y-15 Puziewicz, J. and Johannes, W., 1988, Phase equilibria and compositions of Fe-Mg-Al minerals and melts in water-saturated peraluminous granitic systems: Contrib. Mineral. Petrol., 100, 156-168.
- 99Y-169 Morimoto, N., Fabries, J., Ferguson, A. K., Ginzburg, I. V., Ross, M., Seifert, F. A., Zussman, J., Aoki, K. and Gottardi, G., 1988, Nomenclature of pyroxenes: American Mineralogist., 73, 1123-1133.
- 99Y-4 Nekvasil, H., 1988, Calculation of equilibrium crystallization paths of compositionally simple hydrous felsic melts: American Mineralogist., 73, 956-965.
- 99Y-87 Phillips, M. W., Popp, R. K. and Clowe, C. A., 1988, Structural adjustments accompanying oxidation-dehydrogenation in amphiboles: American Mineralogist., 73, 500-506.
- 99Y-93 Cosca, M. A., Rouse, R. R. and Essene, E.J., 1988, Dorriote [Ca<sub>2</sub>(Mg<sub>2</sub>Fe<sub>43+</sub>)(Al<sub>4</sub>Si<sub>2</sub>O<sub>20</sub>), a new member of the aenigmatite group from a pyrometamorphic melt-rock: American Mineralogist., 73, 1440-1448.
- 99Y-94 Sharp, T. G. and Buseck, P. R., 1988, Prograde versus retrograde chlorite-amphibole intergrowths in a calc-silicate rock: American Mineralogist., 73, 1292-1301.
- 99-0052 Conrad, W. K., Nicholls, I.A. and Wall, V. J., 1988, Water-saturated and -undersaturated melting of metaluminous and peraluminous crustal compositions at 10 kb: evidence for the origin of silicic magmas in the Taupo Volcanic Zone, New Zealand, and Other Occurrences: J. Petrol., 29, 765-803.
- 99-0064 Nagaoka, S., 1988, The late Quaternary tephra layers from the caldera volcanoes in and around Kagoshima bay, southern Kyushu, Japan: Geogr. Rep. Tokyo Metropolitan Univ., 23, 49-122.
- 99-0119 Grunder, A.L. and Mahood, G.A., 1988, Physical and chemical models of zoned silicic magmas: the Loma Seca Tuff and Calabozos caldera, southern Andes: J. Petrology, 29, 831-867.
- 99-0206 Hodder, A.P.W., 1988, A mantle heterogeneity in the Southwest Pacific: Tectonophysics, 156, 145-165.
- 99-0214 Lipman, P.W., 1988, Evolution of silicic magma in the upper crust: the mid Tertiary Latir volcanic field and its cogenetic granitic batholith, northern New Mexico, U.S.A.: Trans. R. Soc. Edinb.: Earth Sci., 79, 265-288.
- 99-0215 Druitt, T.H. and Bacon, C.R., 1988, Compositional zonation and cumulus processes in the Mount Mazama magma chamber, Crater Lake, Oregon: Trans. R. Soc. Edinb.: Earth Sci., 79, 289-297.
- 99-0435 Hildreth, W. and Moorbath, S., 1988, Crustal contributions to arc magmatism in Andes of Central Chile: Contrib. Mineral. Petrol., 98, 455-489.
- 99-0507 Cas, R.A.F. and Wright, J.V., 1988, Volcanism and tectonic setting: Volcanic successions, modern and ancient. Unwin Hyman, London, 444-467.
- 99-0516 Cas, R.A.F. and Wright, J.V., 1988, Ignimbrites and ignimbrite-forming eruptions: Volcanic successions, modern and ancient. Unwin Hyman, London, 223-266.
- 99-0555 Inoue, K., 1988, The growth-history of Takachiho composite volcano in the Kirishima Volcano group (In Japanese, with English abstract): J. Mineral. Petrol. Econ. Geol., 83, 26-41.
- 99-0570 Yanagi, T., Arikawa, H., Hamamoto, R. and Hirano, I., 1988, Petrological implications of strontium isotope compositions of the Kinpo volcanic rocks in Southwest Japan: Ascent of the magma chamber by assimilating the lower crust: Geochem. J., 22, 237-248.
- 99-0574 Nakada, S. and Kamata, H., 1988, Petrological relationship of basalts and andesites in southern part of the Shimabara peninsula, Kyushu, Japan (In Japanese, with English abstract): Bull. volcanol. Soc. Japan, 33, 273-289.
- 99-0600 Terakado, Y. and Masuda, A., 1988, Trace-element variations in acidic rocks from the inner zone of Southwest Japan: Chem. Geol., 67, 227-241.
- 99-0602 Terakado, Y., Shimizu, H. and Masuda, A., 1988, Nd and Sr isotopic variations in acidic rocks formed under a peculiar tectonic environment in Miocene Southwest Japan: Contrib. Mineral. Petrol., 99, 1-10.
- 99-0612 Kamata, H., Hoshizumi, H. and Koyaguchi, T., 1988, 中部九州—中国地方西部の火山フロントの形成年代: 月刊地球, 10, 568-573.
- 99-0616 Nagamune, T., 1988, Regional features of seismicity in the oceanic regions of the east-south of Kyushu, Japan (In Japanese, with English abstract): 鹿児島大学理学部起用(地学・生物学), 21, 23-33.
- 99-0624 Okano, K. and Kimura, S., 1988, Characteristics of the Median tectonic line in Shikoku inferred from the focal distribution of microearthquakes (In Japanese, with English abstract): J. Seismil. Soc. Japan, 41, 603-607.
- 99-0641 Takahashi, M., 1988, On the Na<sub>2</sub>O content of convergent zone High-alumina basalts: Chem. Geol., 68, 17-29.
- 99-0753 Otsuka, H. and Furukawa, H., 1988, Early and middle Pleistocene stratigraphy in Kyushu and Ryukyu, Japan (In Japanese, with English abstract): Mem. Geol. Soc. Japan, 30, 155-168.
- 99-0771 Okubo, Y., 1988, 日本列島下のキュリ一点深度: 月刊地球, 21, 33-38.
- 99-0804 Nagaoka, S., 1988, A silicic pyroclastic-flow eruption and pyroclastic surges from the Kikai caldera volcano in the Last interglacial stage (In Japanese, with English abstract): J. Geogr., 97, 32-45.
- 99-0805 Aoki, K. Nakamura, Y., 1988, Petrography and geochemistry of Bandai volcano (In Japanese): J. Geogr., 97, 43-5.
- 99-0911 Nakada, S., Tanaka, M. and Nakamura, M., 1988, Modal compositions of the Unzen and the Yufu-Tsurumi volcanic rocks (In Japanese, with English abstract): 九大理島原地震火山研研報, 14, 13-22.
- 99-0912 Tanaka, M. and Nakada, S., 1988, Geology of eastern part of Unzen Volcano (In Japanese, with English abstract): 九大理島原地震火山研研報, 14, 1-11.
- 99-0916 Tait, S. R., 1988, Samples from the crystallising boundary layer of a zoned magma chamber: Contrib. Mineral. Petrol. 100, 470-483.
- 99-0918 Dunbar, J.A. and Sawyer, D.S., 1988, Continental rifting at pre-existing lithospheric weakness: Nature 333, 450-452.
- 99-0945 Macdonald, R. and Smith, R. L., 1988, Relationships between silicic plutonism and volcanism: geochemical evidence: Trans. R. Soc. Edinb.: Earth Sci., 79, 257-263.

99-0954	Esperança, S., Carlson, R.W. and Shirey, S.B.,	1988,	Lower crustal evolution under Arizona: Sr, Nd and Pb isotopic and geochemical evidence from the mafic xenoliths of Camp Creek:	Earth Planet. Sci. Lett.,	90,	26-40.
99-0956	Gittins, J.,	1988,	Partial melting of fenitized crustal xenoliths in the Oldoinyo Lengai carbonatitic volcano, Tanzania: Discussion:	Am. Miner.,	73,	1465-1467.
99-0970	Dodge, F.C.W., Lockwood, J.P. and Calk, L.C.,	1988,	Fragments of the mantle and crust from beneath the Sierra Nevada batholith: xenoliths in a volcanic pipe near Big Creek, California:	Geol. Soc. Am. Bull.,	100,	938-947.
99-0972	Shuto, K., Kagami, H., Shimazu, M. and Yano, T.,	1988,	Sr and Nd isotopic study of gabbroic inclusions in calc-alkaline andesites from the northern Fossa Magna region, Central Japan:	J. Mineral. Petrol. Econ. Geol.,	83,	77-84.
99-1090	Hoffman, P.F.,	1988,	Archean oceanic flake tectonics:	Geophys. Res. Lett.,	15,	1077-1088.
99-1105	Kovalenko, V.I., Hervig, R.L. and Sheridan, M.F.,	1988,	Ion-microprobe analyses of trace elements in anorthoclase, hedenbergite, aenigmatite, quartz, apatite, and glass in pantellerite: evidence for high water contents in pantellerite melt:	Amer. Min.,	73,	1038-1045.
99-1125	Tamaki, K.,	1988,	Geological structure of the Japan Sea and its tectonic implications:	Bull. Geol. Surv. Japan,	39,	269-365.
99-1128	Xu, H.,	1988,	Petrology and geochemistry of the alkali rocks from Dogo, Oki islands Shimane Prefecture, Southwestern Japan:	Sci. Rep. Tohoku Univ. Series III,	17,	1-106.
99-1157	Graham, I.J., Grapes, R.H. and Kifle, K.,	1988,	Buchitic metagreywacke xenoliths from mount Ngauruhoe, Taupo volcanic zone, New Zealand:	J. Volcanol. Geotherm. Res.,	35,	205-216.
99-1166	Woodhead, J.D.,	1988,	The origin of geochemical variations in Mariana lavas: a general model for petrogenesis in intra-oceanic island arcs?	J. Petrol.,	29,	805-830.
99-1176	Johnston, A.D. and Wyllie, P.J.,	1988,	Interaction of granitic and basic magmas: experimental observations on contamination processes at 10 kbar with H <sub>2</sub> O:	Contrib. Mineral. Petrol.,	98,	352-362.
99-1363	Nohda, S., Tatsumi, S., Otofujii, Y., Matsuda, T. and Ishizaka, K.,	1988,	Asthenospheric injection and back-arc opening: isotopic evidence from northeast Japan:	Chem. Geol.,	68,	317-327.
99-1367	Tatsumi, Y., Nohda, S. and Ishizaka, K.,	1988,	Secular variation of magma source compositions beneath the northeast Japan arc:	Chem. Geol.,	68,	309-316.
99-1397	Ormerod, D.S., Hawkesworth, C.J., Rogers, N.W., Leeman, W.P. and Menzies, M.A.,	1988,	Tectonic and magmatic transitions in the Western Great Basin, USA.	Nature,	333,	349-353.
99-1400	Meen, J.K.,	1988,	Production of isotopic disequilibrium in igneous rocks by crustal contamination - an example from a laramide volcanic center in Montana, U.S.A.	Chem. Geol.,	72,	299-309.
99-1402	Mazzone, P. and Grant, N.K.,	1988,	Mineralogical and isotopic evidence for phenocryst-matrix disequilibrium in the Garner Mountain andesite.	Contrib. Mineral. Petrol.,	99,	267-272.
99-1434	Newhall, C.G. and Dzurisin, D.,	1988,	Historical unrest at Large Calderas of the world.	U.S. Geol. Surv. Bull.,	1855,	1-30.
99-1459	Rampino, M.R.,	1988,	Volcanic winter.	Ann. Rev. Earth Planet. Sci.,	16,	73-99.
12-100	R. W. KAY <sup>1</sup> and S. MAHLBURG KAY	1988,	Crustal recycling and the Aleutian arc.	Geochimica et Cosmochimica Acta,	52,	1351-1359.
12-103	STEIN D. JACOBSEN,	1988,	Isotopic and chemical constraints on mantle-crust evolution.	Geochimica et Cosmochimica Acta,	52,	1341-1350.
12-104	T. Kato, A.E. Ringwood and T. Irifune	1988,	Experimental determination of element partitioning between silicate perovskites, garnets and liquids: constraints on early differentiation of the mantle.	Earth and Planetary Science Letters,	89,	123-145.
12-148	D. McKENZIE AND M. J. BICKLE	1988,	The Volume and Composition of Melt Generated by Extension of the Lithosphere.	Jour. Petrol.,	29,	625-679.
12-149	HERBERT E. HUPPERT <sup>1</sup> AND R. STEPHEN J. SPARKS	1988,	The Generation of Granitic Magmas by Intrusion of Basalt into Continental Crust.	Jour. Petrol.,	29,	599-624.
12-155	Stanley R. Hart	1988,	Heterogeneous mantle domains: signatures, genesis and mixing chronologies	Earth and Planetary Science Letters,	90,	273-296.
12-158	HANNA NEKYASIL	1988,	Calculated effect of anorthite component on the crystallization paths of H <sub>2</sub> O-undersaturated haplogranitic melts.	Amer. Mine.,	73,	966-981.
12-159	HANNA NEKYASIL	1988,	Calculation of equilibrium crystallization paths of compositionally simple hydrous felsic melts.	Amer. Mine.,	73,	956-965.
12-169	David M. Jenkins	1988,	Experimental study of the join tremolite-tschermakite: A reinvestigation.	Contrib Mineral Petrol	99,	392-400.
12-172	DAVID J. ANDEISEN, Donald H. LINDSLEY	1988,	Internally consistent solution models for Fe-Mg-Mn-Ti oxides: Fe-Ti oxides.	Amer. Mine.,	73,	714-726.
12-173	PAULA IVI. DAVIDSON,* DONALD H. LINDSLEY	1988,	Thermochemistry of pyroxenes on the join Mg <sub>2</sub> Si <sub>2</sub> O <sub>6</sub> -CaMgSi <sub>2</sub> O <sub>6</sub> : A revision of the model for pressures up to 30 kbar.	Amer. Mine.,	73,	1264-1266.
12-187	STEIN B. 1 ACODSEN ROBERT F. DYMEK	1988,	Nd and S isotopic systematics of clastic metasediments from Isua, West Greenland: Identification of Pre-3.8 Ga differentiated crustal components.	JGR,	93,	338-354.
12-207	A. Dana Johnston* and Peter J. Wyllie	1988,	Interaction of granitic and basic magmas: experimental observations on contamination processes.	Contrib Mineral Petrol	98,	352-362.
12-208	HERBERT E. HUPPERT <sup>1</sup> AND R. STEPHEN J. SPARKS	1988,	The Generation of Granitic Magmas by Intrusion of Basalt into Continental Crust.	Jour. Petrol.,	29,	599-624.
12-319	Gautam Sen, Robert E. Jones,	1988,	Exsolved silicate and oxide phases from clinopyroxenes in a single Hawaiian xenolith: Implications for oxidation state of the Hawaiian upper mantle.	Geology,	16,	69-72.
12-344	井口隆	1988,	日本における火山体の山体崩壊と岩屑流 -磐梯山、鳥海山、岩手山-	国立防災科学技術センター研究報告、	41,	163-275.
12-345	守屋以智雄、	1988,	磐梯火山の地形発達史。	地学雑誌、	97-4,	293-300.
12-401	Gautam Sen,	1988,	Petrogenesis of spinel lherzolite and pyroxenite suite xenoliths from the Koolau shield, Oahu, Hawaii: Implications for petrology of the post-eruptive lithosphere beneath Oahu.	Contrib Mineral Petrol	100,	61-91.
12-419	Donald J. DePaolo	1988,	Age dependence of the composition of continental crust: evidence from Nd isotopic variations in granitic rocks.	Earth and Planetary Science Letters,	90,	263-271.
12-434	Gautam Sen,	1988,	Petrogenesis of spinel lherzolite and pyroxenite suite xenoliths from the Koolau shield, Oahu, Hawaii: Implications for petrology of the post-eruptive lithosphere beneath Oahu.	Contrib Mineral Petrol	100,	61-91.

15-305	MARK CLOOS 1 and RONALD L. SHREVE	1988,	Subduction-Channel Model of Prism Accretion, Melange Formation, Sediment Subduction, and Subduction Erosion at Convergent Plate Margins: 2. Implications and Discussion.	PAGEOPH,	128,	501-545.
15-339	MARK CLOOS ~ and RONALD L. SHREVE	1988,	Subduction-Channel Model of Prism Accretion, Melange Formation, Sediment Subduction, and Subduction Erosion at Convergent Plate Margins: 1. Background and Description.	PAGEOPH,	128,	455-500.
16-024	MARK CLOOS 1 and RONALD L. SHREVE	1988,	Subduction Channel model of prism accretion, melange formation, sediment subduction, and subduction erosion at convergent plate margins: 2. Implications and discussion.	PAGEOPH,	128,	501-545
16-025	ALBERT T. HSUI 1	1988,	Application of fluid mechanic principles to the study of geodynamic processes at trench-arc-back arc systems.	PAGEOPH,	128,	661-681.
16-026	SCOTT M. MCLENNAN	1988,	Recycling of the continental crust.	PAGEOPH,	128,	683-724
12-428	長峰智、	1987、	南部九州更新世中期の一火砕流堆積物について	九州後期新生代火山活動・地 団研専報、	33、	171-178.
00-0012	Ota, Y. and Machida, H.,	1987,	Quaternary sea-level changes in Japan.	In Sea-level change, Tooley, M.J. and Shennan, I (eds)	Black well	182-224.
00-0043	Mark, R.K. and Moore, J.G.,	1987,	Slopes of the Hawaiian ridge	US Geol. Surv. Prof. Pap.,	1350,	101-107.
00-0044	Moore, J.G.,	1987,	Subsidence of the Hawaiian ridge	US Geol. Surv. Prof. Pap.,	1350,	85-100.
00-0051	Clague, D.A. and Dalrymple, G.B.,	1987,	The Hawaiian-Emperor volcanic chain part I geological evolution	US Geol. Surv. Prof. Pap.,	1350,	5-54.
00-0052	Fornari, D.J.,	1987,	The geomorphic and structural development of Hawaiian submarine rift zones	US Geol. Surv. Prof. Pap.,	1350,	125-132.
00-0053	Langenheim, V.M.A. and Clague, D.A.,	1987,	The Hawaiian-Emperor volcanic chain part II stratigraphic framework of volcanic rocks of the Hawaiian island	US Geol. Surv. Prof. Pap.,	1350,	55-84.
00-0054	Fornari, D.J. and Campbell, J.F.,	1987,	Submarine topography around the Hawaiian islands	US Geol. Surv. Prof. Pap.,	1350,	109-124.
00-0055		1987,	preface	US Geol. Surv. Prof. Pap.,	1350,	
00-0056	Peterson, D.W. and Moore, R.B.,	1987,	Geologic history and evolution of geologic concepts, island of Hawaii	US Geol. Surv. Prof. Pap.,	1350,	149-189.
00-0057	Siebert, L., Glicken, H. and Ui, T.,	1987,	Volcanic hazards from Bezymianny-and Bandai-type eruptions	Bull. Volcanol.,	49,	435-459.
00-0111	White, J.D.L. and Busby-Spera, C. J.,	1987,	Deep marine arc apron deposits and syndepositional magmatism in the Alisitos group at Punta Cono, Baja California, Mexico.	Sedimentology,	34,	911-927.
00-0196	Brocher, T. M.,	1987,	Variations in Oceanic Layer 2 elastic velocities near Hawaii and their correlation to lithospheric flexure.	J. Geophy. Res.,	92,	2647- 2661.
00-0213	Blair, T. C.,	1987,	Sedimentary processes, vertical stratification sequences, and geomorphology of the roaring river alluvial fan, Rocky mountain national park, Colorad.	J. Sedimentary Petrolog,	57,	1-18.
00-0237	Menzies, M.,	1987,	Alkaline rocks and their inclusions: a window on the Earth's interior.	In Fitton, J.G. and Upton, B.G.J., (eds), Alkaline Igneous rocks, Geol. Soc. Spec. Pub.,	30,	15-27.
00-0238	Fitton, J.G. and Upton, B.G. J.,	1987,	Introduction.	In Fitton, J.G. and Upton, B.G.J., (eds), Alkaline Igneous rocks, Geol. Soc. Spec. Pub.,	30,	ix-xiv.
00-0244	Bailey, D.K.,	1987,	Mantle metasomatism-perspective and prospect.	In Fitton, J.G. and Upton, B.G.J., (eds), Alkaline Igneous rocks, Geol. Soc. Spec. Pub.,	30,	1-13.
00-0246	Clague, D.A.,	1987,	Hawaiian alkaline volcanism.	In Fitton, J.G. and Upton, B.G.J., (eds), Alkaline Igneous rocks, Geol. Soc. Spec. Pub.,	30,	227-252.
02-0042	Macdonald, R., Davies, G.R., Bliss, C.M., Leat, P.T., Bailey, D.K., Smith, R.L.,	1987,	Geochemistry of high-silica peralkaline rhyolites, Naivasha, Kenya rift valley.	J. Petorology,	28,	979-1008.
02-0057	Gromet, L.P., Silver, L.T.,	1987,	REE variations across the peninsula ranges batholith: implications for batholithic petrogenesis and crustal growth in magmatic arcs.	J. Petorology,	28,	75-125.
02-0140	Hussong, D.M., Campbell, J. F., Hills, D., Peat, D., and Williams, J.,	1987,	Detailed mapping of the submarine geology of Oahu, Hawaii, using the SeaMARC/S system.	Eos	68,	1336
03-0061	Rowland, S.K., and Walker, G.P.L.,	1987,	Toothpaste lava: characteristics and origin of a lava structural type transitional between pahoehoe and aa	Bull. Volcanol.,	49,	631-641.
03-0069	Clague, D.A.,	1987,	Hawaiian xenolith populations, magma supply rates, and development of magma chambers.	Bull. Volcanol.,	49,	577-587.
03-0070	Rousset, D., Bonneville, A., and Lenat, J.-F.,	1987,	Detailed gravity study of the offshore structure of Piton de la Fournaise volcano, Reunion Island.	Bull. Volcanol.,	49,	713-722.
03-0071	Moore, J.G., and Clague, D.,	1987,	Coastal lava flows from Mauna Loa and Hualalai volcanoes, Kona, Hawaii	Bull. Volcanol.,	49,	752-764.
03-0089	Fornari, D.J., and Campbell, J.F.,	1987,	Submarine topography around the Hawaiian islands.	U.S.Geol. Surv.Prof. Pap.,	1350,	109-124.
06-074	Nixon (Ed), P.H.	1987,	references	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	765-
06-075	Nixon (Ed), P.H.	1987,	Abbreviations and symbols	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	757-
06-076	Menzies, M.A., Hawkesworth, C.J.,	1987,	49 Upper mantle processes and composition.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	725-
06-077	Jones, R.A.,	1987,	48 Strontium and neodymium isotopic and rare earth element evidence for the genesis of megacrysts in kimberlites of outhern Africa.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	
06-078	Wyllie, P.J.,	1987,	42 Metasomatism and fluid generation in mantle xenoliths.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	609-
06-079	Reay, A., Sipiera, P.P.,	1987,	25 Mantle xenoliths from the New Zealand region.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	
06-080	Nixon, P.H., Neal, C.R.,	1987,	24 Ontong Java plateau: deep-seated xenoliths from thick oceanic lithosphere.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	
06-081	Swanson, S.E., Kay, S.M., Brearly, M., Scarfe, C.M.,	1987,	22 Arc and back-arc xenoliths in Kurile-Kamchatka and western Alaska.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons	

06-082	Nixon, P.H.,	1987,	17 Kimberlitic xenoliths and their cratonic setting.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons Ltd	
06-083	Guan-Zhi, H.,	1987,	15 Mantle xenoliths from kimberlites in China.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons Ltd	181-
06-084	Cao, R.-L., Zhu, S.-H.,	1987,	14 Mantle xenoliths and alkali-rich host rocks in eastern China.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons Ltd	
06-085	Aranda-Gomez, J.J., Ortega-Gutierrez, F.,	1987,	5 Mantle xenoliths in Mexico.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons Ltd	75-
06-086	Menzies, M.A., Arculus, R.J., Best, M.G., Bergman, S.C., Ehrenberg, S.N., Irving, A.J., Roden, M.F., Schulze, D.J.,	1987,	4 A record of subduction process and within-plate volcanism in lithospheric xenoliths of the southwestern USA.	in Mantle Xenoliths, P.H. Nixon (Ed),	Jhon Wiley and Sons Ltd	
06-1012	Chough, S.K., Barg, E.,	1987,	Tectonic history of Ullung basin margin, East Sea (Sea of Japan).	Geol.,		15, 45-48.
06-1070	Rudnick, R.L., Williams, I.S.,	1987,	Dating the lower crust by ion microprobe.	Earth and Planetary Sci. Letters,		85, 145-161.
06-1100	岩田昌寿	1987,	西南日本産超マフィック捕獲岩および関連火山岩類のSr-Nd 同位体的研究	修論	岡山大学地球内部研究	
06-139	Hollister, L.S., Grissom, G.C., Peters, E.K., Stowell, H.H., Sisson, V.B.,	1987,	Confirmation of the empirical correlation of Al in hornblende with pressure of solidification of calc-alkaline plutons.	Amer. Mine.		72, 231-239.
06-140	Gasparik, T.,	1987,	Orthopyroxene thermobarometry in simple and complex systems.	Contrib. Min. Petrol.		96, 357-370.
06-143	O'Neill, H.St.C., Wall, V.J.,	1987,	The olivine-orthopyroxene-spinel oxygen geobarometer, the nickel precipitation curve, and the oxygen fugacity of the Earth's upper mantle.	J. Petrol.,		28, 1169-1191.
06-151	Huchon, P., Angelier, J.,	1987,	From subduction to collision: the Suruga-Fujigawa belt, Izu collision zone, central Japan.	Bull. Soc. Geol. France,		8, 511-521.
06-2020	Wickham, S.M., Oxburgh F.R.S., E.R.,	1987,	Low-pressure regional metamorphism in the Pyrenees and its implications for the thermal evolution of rifted continental crust.	Phil. Trans. R. Soc. Lond.,	A321,	219-242.
06-3039	Verwoerd, W.J., Chevallier, L.,	1987,	Contrasting types of surtseyan tuff cones on Marion and Prince Edward islands, southwest Indian Ocean.	Bull volcanol.,		49, 399-417.
06-3111	Warner, R.J., Flower, M.F.J., Rodolfo, K.S.,	1987,	Geochemical evidence for sundering of the West Mariana arc in miocene ash from the Parece Vela Basin.	J. Volcanol. Geotherm. Res.		1987, 263-281.
06-3114	Hickey-Vargas, R., Reagan, M.K.,	1987,	Temporal variation of isotope and rare earth element abundances in volcanic rocks from Guam: implications for the evolution of the Marana Arc.	Contrib. Min. Petrol.		97, 497-508.
07-010	Fryer, P., Fryer, G.J.,	1987,	Origin of non-volcanic seamounts in forearc environments.	In Seamount islands and atolls (eds Keating BH, Fryer P, Batiza, R, Boehlert, GW)	AGU Monog Ser. 43,	61-69.
07-035	大西雅弘, 林正雄, 加藤祐三,	1987,	琉球列島産新生代火山岩類の放射年代.	岩鉱,		82, 370-377.
07-038	Thomson, J., Colley, S., Higgs, N.C., Hydes, D.J., Wilson, T.R.S., Sorensen, J.,	1987,	Geochemical oxidation fronts in NE Atlantic distal turbidites and their effects in the sedimentary record.	In: Geology and Geochemistry of Abyssal Plains, Weaver, P.P.E., Thomson, J., (Eds),	Geol. Spec. Pub. No. 31,	167-177.
07-039	Jarvis, I., Higgs, N.,	1987,	Trace-element mobility during early diagenesis in distal turbidites: late Quaternary of the Madeira Abyssal Plain, N Atlantic.	In: Geology and Geochemistry of Abyssal Plains, Weaver, P.P.E., Thomson, J., (Eds),	Geol. Spec. Pub. No. 31,	179-213.
07-096s	Baker, D.R., Eggler, D.H.,	1987,	Compositions of anhydrous and hydrous melts coexisting with plagioclase, augite, and olivine or low-Ca pyroxene from 1 atm to 8 kbar: application to the Aleutian volcanic center of Atka.	Amer. Min.,		72, 12-28.
07-101F	bodinier, J.L., Guiraud, M., Fabries, J., Dostal, J., Dupuy, C.,	1987,	Petrogenesis of layered pyroxenites from the Lherz, Freychinède and Prades ultramafic bodies (Ariege, French Pyrenees).	Geochem. Cosmochem. Acta.,		51, 279-290.
07-102s	Rogers, N.W., Hawkesworth, C.J., Matthey, D.P.,	1987,	Sediment subduction and the source of potassium in orogenic leucites.	Geol.,		15, 451-453.
07-1119	Allegre, C.J., Ellis, D.J.,	1987,	Isotope geodynamics. Origin and evolution of granulites in normal and thickened crusts.	Earth Planet. Sci. Lett.		86, 175-203.
07-128s	Carlson, R.W., Hart, W.K., Griffin, W.L., Sutherland, F.L., Hollis, J.D.,	1987,	Crustal genesis on the Oregon plateau. Geothermal profile and crust-mantle transition beneath east-central Queensland: volcanology, xenolith petrology and seismic data.	JGR		92, 6191-6203.
07-133	Griffin, W.L., O'Reilly, S.Y.,	1987,	The composition of the lower crust and the nature of the continental Moho - xenolith evidence.	Mantle Xenoliths, Edited by P.H. Nixon,	John Wiley & Sons Ltd	413-432.
07-138F	Arculus, R.J.,	1987,	The significance of source versus process in the tectonic controls of magma genesis.	J. Volcanol. Geother. Res.,		32, 1-12.
07-139	Duda's, F.O., Carlson, R.W., Eggler, D.H.,	1987,	Regional Middle Proterozoic enrichment of the subcontinental mantle source of igneous rocks from central Montana.	Geol.,		15, 22-25.
07-145	Sorensen, S.S., Barton, M.D.,	1987,	Metasomatism and partial melting in a subduction complex: Catalina Schist, southern California.	Geol.,		15, 115-118.
07-157s	Green, T.H., Pearson, N.J.,	1987,	An experimental study of Nb and Ta partitioning between Ti-rich minerals and silicate liquids at high pressure and temperature.	Geochim. Cosmochem. Acta.,		51, 55-62.
07-168F	Goldstein, S.J., Jacobsen, S.B.,	1987,	The Nd and Sr isotopic systematics of river-water dissolved material: implications for the sources of Nd and Sr in seawater.	Chemical. Geol.,		66, 245-272.
07-190	Cox, K.G., Smith, M.R., Beswetherick, S.,	1987,	Textural studies of garnet lherzolites: evidence of exsolution origin from high-temperature harzburgites.	In: P.H. Nixon (Editor), Mantle xenolith.	John Wiley & Sons Ltd	537-550.
07-235	海上保安庁,	1987,	沿岸の海の基本図: 横当島(海底地質構造図)	海洋情報研究センター		6504-1-S, CD-ROM
07-236	海上保安庁,	1987,	沿岸の海の基本図: 硫黄島(海底地質構造図)	海洋情報研究センター		6506-1-S, CD-ROM
08-029	Souquet, P., Eschard, R., Lods, H.,	1987,	Facies sequences in large-volume debris- and turbidity-flow deposits from the Pyrenees (Cretaceous: France, Spain).	Geo-Mar Lett.,		7, 73-90.
08-042	Moore, J.G., Campbell, J.F.,	1987,	Age of tilted reefs, Hawaii.	J. Geophy. Res.,		92, 2641-2646.
08-127	Debari, S., Kay S.M., Kay, R.W.,	1987,	Ultramafic xenoliths from Adagdag volcano, Adak, Aleutian Islands, Alaska: deformed igneous cumulates from the moho of an island arc.	J. Geol.,		95, 329-341.
08-130	Debari, S., Kay S.M., Kay, R.W.,	1987,	Ultramafic xenoliths from Adagdag volcano, Adak, Aleutian Islands, Alaska: deformed igneous cumulates from the moho of an island arc.	J. Geol.,		95, 329-341.
08-150	Hunter, R.H., Sparks, R.S.J.,	1987,	The differentiation of the Skaergaard intrusion.	Contrib. Min. Petrol.,		95, 451-461.

(Marine volcanology, Kumamoto Univ.)

- 08-155 Hickmott, D.D., Shimizu, N., Spear, F.S., Selverstone, J., 1987, Trace-element zoning in a metamorphic garnet. *Geology*, 15, 573-576.
- 08-162 Wilkinson, J.F.G., Maitre, R.W., 1987, Upper mantle amphiboles and micas and TiO<sub>2</sub>, K<sub>2</sub>O, and P<sub>2</sub>O<sub>5</sub> abundances and 100 Mg/(Mg+Fe<sup>2+</sup>) ratios of common basalts and andesites: implications for modal mantle metasomatism and undepleted mantle compositions. *J. Petrol.*, 28, 37-73.
- 08-169 Ribe, N.M., 1987, Theory of melt segregation: a review. *J. Volcanol. Geotherm.*, 33, 241-253.
- 08-170 Clemens, J.D., Vielzeuf, D., 1987, Constrains on melting and magma production in the crust. *Earth Planet. Sci. Lett.*, 86, 287-306.
- 08-175 Wickham, S.M., Taylor, Jr., H.P., 1987, Stable isotope constraints on the origin and depth of penetration of hydrothermal fluids associated with Hercynian regional metamorphism and crustal anatexis in the Pyrenees. *Contrib. Min. Petrol.*, 95, 255-268.
- 08-235 Patchett, P.J., Ruiz, J., 1987, Nd isotopic ages of crust formation and metamorphism in the Precambrian of eastern and southern Mexico. *Contrib. Min. Petrol.*, 96, 523-528.
- 08-236 Patchett, P.J., Ruiz, J., 1987, Nd isotopic ages of crust formation and metamorphism in the Precambrian of eastern and southern Mexico. *Contrib. Min. Petrol.*, 96, 523-528.
- 08-266 Wyllie, P.J., 1987, 42 Metasomatism and fluid generation in mantle xenoliths. *Mantle xenoliths* (ed. P.H. Nixon), John Wiley & Sons, 609-627.
- 08-284 Wasserburg, G.J., 1987, Isotopic abundances: inferences on solar system and planetary evolution. *Earth Planet. Sci. Lett.*, 86, 129-173.
- 08-310 Boomer, D.W., Powell, M.J., 1987, Determination of uranium in environmental samples using inductively coupled plasma mass spectrometry. *Anal. Chem.*, 59, 2810-2813.
- 08-332 Wickham, S.M., 1987, Crustal anatexis and granite petrogenesis during low-pressure regional metamorphism: the Trois Seigneurs Massif, Pyrenees, France. *J. Petrol.*, 28, 127-169.
- 08-333 Wickham, S.M., 1987, The segregation and emplacement of granitic magmas. *J. Geol. Soc. Lond.*, 144, 281-297.
- 08-342 Rudnick, R.L., Taylor, S.R., 1987, The composition and petrogenesis of the lower crust: a xenolith study. *J. Geophys. Res.*, 92, 13981-13997.
- 08-379 Nixon, G.T., Pearce, T.H., 1987, Laser-interferometry study of oscillatory zoning in plagioclase: the record of magma mixing and phenocryst recycling in calc-alkaline magma chambers, Iztaccihuatl volcano, Mexico. *Amer. Min.*, 72, 1144-1162.
- 08-380 Peace, T.H., Russell, J.K., Wolfson, I., 1987, Laser-interference and Nomarski interference imaging of zoning profiles in plagioclase phenocrysts from the May 18, 1980, eruption of Mount St. Helens, Washington. *Amer. Min.*, 72, 1131-1143.
- 08-384 Wright, E., White, W.M., 1987, The origin of Samoa: new evidence from Sr, Nd, and Pb isotopes. *Earth Planet. Sci. Lett.*, 81, 151-162.
- 08-396 Oba, T., Yagi, K., 1987, Phase relations on the actinolite-pargasite join. *J. Petrol.*, 28, 23-36.
- 08-402 Suzuki, K., 1987, Grain-boundary enrichment of incompatible elements in some mantle peridotites. *Chemical Geol.*, 63, 319-334.
- 09-006 Ujike, O., 1987, Mantle metasomatic enrichment in LILE of basalt magma sources beneath the Northeast Japan arc, as indicated by the LILE/Y - Zr/Y plots. *Jour. Japan Assoc. Min. Petr. Econ. Geol.*, 82, 245-256.
- 09-022 木村政昭, 加藤祐三, 田中武男, 仲二郎, 蒲生俊敬, 山野誠, 安藤雅孝, 上田誠也, 酒井均, 大森保, 井沢英二, 兼永勝, 小野朋典, 押田淳, 1987, 沖縄トラフ中央地溝の研究. *海洋科学技術センター試験研究報告*, 165-196.
- 09-111 Sibuet, J.-C., Letouzey, J., Barbier, F., Charvet, J., Foucher, J.-P., Hilde, T.W.C., Kimura, M., Ling-Yun, C., Marsset, B., Muller, C., Stephan, J.-F., 1987, Back arc extension in the Okinawa Trough. *J. Geophys. Res.*, 92, 14041-14063.
- 09-111 Sibuet, J.-C., Letouzey, J., Barbier, F., Charvet, J., Foucher, J.-P., Hilde, T.W.C., Kimura, M., Ling-Yun, C., Marsset, B., Muller, C., Stephan, J.-F., 1987, Back arc extension in the Okinawa Trough. *J. Geophys. Res.*, 92, 14041-14063.
- 10-013 Lallemand, S., Le Pichon, X.L., 1987, Coulomb wedge model applied to the subduction of seamounts in the Japan trench. *Geology*, 15, 1065-1069.
- 10-072 Bloomer, S.H., Hawkins, J.W., 1987, Petrology and geochemistry of boninite series volcanic rocks from the Mariana trench. *Contrib. Mineral. Petrol.*, 97, 361-377.
- 10-234 J.-X. ZHOU 1987, An occurrence of shoshonites near Kilmelford in the Scottish its tectonic implications Caledonides and *Journal of the Geological Society*, 144, 699-706.
- 10-443 Pierre Souquet, R6mi Eschard, and Henri Lods, 1987, Facies Sequences in Large-Volume Debris- and Turbidity-Flow Deposits From the Pyrenees (Cretaceous: France, Spain). *Geo-Marine Letters*, 7, 83-90.
- 10-448 Yoon Kyu Kim\* and Hirokazu Fujimaki 1987, Plutonic Inclusions and Olivines in High-K Volcanics from Ulreung Island, Korea. *Mineralogy and Petrology*, 37, 117-136.
- 99N-100 Yamaoka, K. and Fukao, Y., 1987, Why do island arcs form cusps at their junctions?: *Geol.*, 15, 34-36.
- 99N-186 Cigolini, C. and Kudo, A. M., 1987, Xenoliths in recent basaltic andesite flows from Arenal Volcano, Costa Rica: inference on the composition of the lower crust: *Contrib. Mineral. Petrol.*, 96, 381-390.
- 99S-118 Pederson, A. K. and Ronsbo, J. G., 1987, Oxygen deficient Ti oxides (natural magneli phases) from mudstone xenoliths with native iron from Disko, central West Greenland: *Contrib. Mineral. Petrol.*, 96, 35-46.
- 99S-119 Sampson, D. E. and Cameron, K. L., 1987, The geochemistry of the Inyo volcanic chain: Multiple magma systems in the Long Valley region, eastern California: *J. Geophys. Res.*, 92, 10403-10421.
- 99S-129 Carlson, R. W. and Hart, W. K., 1987, Crustal genesis on the Oregon plateau: *J. Geophys. Res.*, 92, 6191-6204.
- 99S-132 Rutter, M. J., 1987, The nature of the lithosphere beneath the Sardinian continental block: Mantle and deep crustal inclusions in mafic alkaline lavas: *Lithos*, 20, 225-234.
- 99S-144 Tilling, R. I., 1987, Introduction to special section on how volcanoes work: part 1: *J. Geophys. Res.*, 92, 13685-13692.
- 99S-161 Brown, L., 1987, 10Be as a tracer of erosion and sediment transport: *Chem. Geol.*, 65, 189-196.
- 99S-171 Seitz, M. G., Wogelius, R. A. and Flower, M. F., 1987, Nuclear waste elements slip through hydrothermally altered basalt: *Chem. Geol.*, 64, 109-119.
- 99S-180 Karson, J. A. and Elthon, D., 1987, Evidence for variations in magma production along oceanic spreading centers: A critical appraisal: *Geology*, 15, 127-131.
- 99S-181 Shaw, H. F., Chen, J. H., Saleeby, J. B. and Wasserburg, G. J., 1987, Nd-Sr-Pb systematics and age of the Kings River ophiolite, California: Implications for depleted mantle evolution: *Contrib. Mineral. Petrol.*, 96, 281-290.
- 99S-32 Morse, S. A., 1987, Origin of earliest planetary crust: role of compositional convection: *Earth Planet. Sci. Lett.*, 81, 118-126.



## (Marine volcanology, Kumamoto Univ.)

- 99S-53 Jenner, G. A., Cawood, P. A., Rautenschlein, M. and White, W. M., 1987, Composition of back-arc basin volcanics, Valu Fa ridge, Lau basin: Evidence for a slab-derived component in their mantle source: J. Volcanol. Geotherm. Res., 32, 209-222.
- 99S-78 Frost, T. P. and Mahood, G. A., 1987, Field, chemical, and physical constraints on mafic-felsic magma interaction in the Lamarck Granodiorite, Sierra Nevada, California: Geol. Soc. Amer. Bull., 99, 272-291.
- 99Y-164 Weis, D., Demaiffe, D., Cauet, S. and Javoy, M., 1987, Sr, Nd, O and isotopic ratios in Ascension Island lavas and plutonic inclusions: cogenetic origin: Earth Planet. Sci. Lett., 82, 255-268.
- 99Y-95 Brandeis, G. and Jaupart, C., 1987, The kinetics of nucleation and crystal growth and scaling laws for magmatic crystallization: Contrib. Mineral. Petrol., 96, 24-34.
- 10-530 木村政昭\*1 加藤祐三, 田中武男 仲二郎\*2 蒲生俊敬場3 山野誠\*4, 安藤雅孝\*5 上田誠也, 酒井均 大森保\*1 井沢英二\*6 兼永勝 小野朋典\*1 押田淳 1987, 沖縄トラフ中央地溝の研究 海洋科学技術センター試験研究報告, 165-196.
- 99-0074 Whalen, J.B., Currie, K.L. and Chappell, B.W., 1987, A-type granites: geochemical characteristics, discrimination and petrogenesis: Contrib. Mineral. Petrol., 95, 407-419.
- 99-0077 Chappell, B. W., White, A.J.R. and Wyborn, D., 1987, The importance of residual source material (Restite) in granite petrogenesis: J. Petrology, 28, 1111-1138.
- 99-0116 Macdonald, R., Davies, G.R., Bliss, C.M., Leat, P.T., Biley, D.K. and Smith, R.L., 1987, Geochemistry of high-silica peralkaline rhyolites, Naivasha, Kenya Rift Valley: J. Petrol., 28, 979-1008.
- 99-0120 Baker, B.H., 1987, Outline of the petrology of the Kenya rift alkaline province: Fitton, J.G. and Upton, B.G.J. (eds), Alkaline Igneous Rocks No. 30 Geol. Soc. Spec. Pub. 293-311.
- 99-0121 Fitton, J.G., 1987, The Cameroon line, West Africa: a comparison between oceanic and continental alkaline volcanism: Fitton, J.G. and Upton, B.G.J. (eds), Alkaline Igneous Rocks No. 30 Geol. Soc. Spec. Pub. 273-291.
- 99-0122 Macdonald, R., 1987, Quaternary peralkaline silicic rocks and caldera volcanoes of Kenya: Fitton, J.G. and Upton, B.G.J. (eds), Alkaline Igneous Rocks No. 30 Geol. Soc. Spec. Pub. 313-333.
- 99-0142 Wiuckham, S.M. and Oxburgh, E.R., 1987, Low-pressure regional metamorphism in the Pyrenees and its implications for the thermal evolution of rifted continental crust: Phil. Trans. R. Soc. Lond. A, 321, 219-242.
- 99-0162 Baker, D.R. and Eggler, D.H., 1987, Compositions of anhydrous and hydrous melts coexisting with plagioclase, augite, and olivine or low-Ca pyroxene from 1 atm to 8 kbar: application to the Aleutian volcanic center of Atka: Am. Miner., 72, 12-28.
- 99-0180 Weaver, B.L., Wood, D.A. Tarney, J. and Joron, J.L., 1987, Geochemistry of ocean island basalts from the South Atlantic: Ascension, Bouvet, St. Helena, Gough and Tristan da Cunha: Fitton, J.G. and Upton, B.G.J. (eds), Alkaline Igneous Rocks No. 30 Geol. Soc. Spec. Pub. 253-267.
- 99-0267 Huchon, P. and Angelier, J., 1987, From subduction to collision: the Suruga-Fujigawa belt, Izu collision zone, central Japan: Bull. Soc. Géol. France, 3, 511-521.
- 99-0280 Hamamoto, R. and Sakai, H., 1987, Rb-Sr age of granophyre associated with the Muroto-misaki gabbroic complex: 九大理研報, 15, 131-135.
- 99-0384 Nakano, S., Fukuoka, T. and Aramaki, S., 1987, Trace element abundances in the Quaternary volcanic rocks of the Norikura volcanic chain, central Honshu, Japan: Geochem. J., 21, 159-172.
- 99-0389 Sasaki, A., 1987, Isotope systematics of ore leads from the Korean Peninsula and the Japanese islands (In Japanese, with English abstract): Min. Geol., 37, 223-226.
- 99-0433 Hildreth, W., 1987, New perspectives on the eruption of 1912 in the Vally of Ten Thousand Smokes, Katmai National Park, Alaska: Bull. Volcanol., 49, 680-693.
- 99-0489 Harris, C. and Sheppard, S.M.F., 1987, Magma and fluid evolution in the lavas and associated granite xenoliths of Ascension Island: Fitton, J.G. and Upton, B.G.J. (eds), Alkaline Igneous Rocks No. 30 Geol. Soc. Spec. Pub. 269-272.
- 99-0542 Uto, K., Hirai, H., Goto, K. and Arai, S., 1987, K-Ar ages of carbonate- and mantle nodule-bearing lamprophyre dikes from Shingu, central Shikoku, Southwest Japan: Geochem. J., 21, 283-290.
- 99-0548 Hayasaka, S., 1987, Geologic structure of Kagoshima Bay, south Kyushu, Japan (In Japanese, with English abstract): 九州後期新生代火山活動・地 33, 225-233.
- 99-0560 Nakamura, M., 1987, Kirishima Volcano, History by tephra (In Japanese, with English abstract): 九州後期新生代火山活動・地 33, 179-188.
- 99-0575 Hayashi, M. and Sugiyama, H., 1987, Unzen volcanic rocks as heat source of geothermal activity: Rep. Res. Inst. Indust. Sci. Kyushu, Univ., 82, 59-73.
- 99-0587 Sasada, M., 1987, Pre-Tertiary basement rocks of Hohi area, central Kyushu, Japan (In Japanese, with English abstract): Bull. Geol. Surv. Japan, 38, 385-422.
- 99-0615 Nagamune, T., 1987, Intermediate-depth earthquakes and tectonics of the Kyushu-Ryukyuu region (In Japanese, with English abstract): J. Seismil. Soc. Japan, 40, 417-423.
- 99-0622 Takashima, M., 1987, Non-Double seismic zone beneath Kyushu (In Japanese): J. Seismil. Soc. Japan, 40, 115-117.
- 99-0639 Okamoto, K., Kinoshita, O., Nonaka, K. and Yagi, S., 1987, Magma mixing model of the Tertiary granitic rocks of the southern Kyushu (In Japanese, with English abstract): J. Japan. Assoc. Mineral. Petrol. Econ. Geol., 82, 257-268.
- 99-0653 Yanagi, T. and Hamamoto, R., 1987, Grain-size dependent variation of Rb content in biotite from granodiorites in North Kyushu (In Japanese, with English abstract): 九大理研報(地質) 15, 83-88.
- 99-0658 Kido, M. and Hikosan Collaborative Res. G., 1987, Tectonic movement and volcanism of Miocene and Pliocene ages in the Hikosan and Tsue area, Northern and Central Kyushu, Japan (In Japanese, with English abstract): 九州後期新生代火山活動, 地 33, 107-126.
- 99-0659 Seno, M., 1987, The olivine andesite in the Setouchi volcanic rocks from the Arita area, Saga Prefecture (In Japanese, with English abstract): 九大理研報(地質) 13, 135-143.
- 99-0660 Tajima, T., 1987, volcano-stratigraphy of the northern part of the Nishi-Sonogi peninsula and the Higashi-Sonogi district, Nagasaki Prefecture, Japan-with special reference to pillow lava and hyaloclastite flows (In Japanese, with English abstract): 九州後期新生代火山活動, 地 33, 53-70.
- 99-0672 Aoki, K., 1987, Japanese Island arc: xenoliths in alkali basalts, high-alumina basalts, and calc-alkaline andesites and dacites: In: P.H. Nixon edited, Mantle xenoliths, Jhon wiley & Sons Ltd 319-333.
- 99-0691 Hayashi, M. and Watanabe, K., 1987, Radiometric ages for Neogene and Quaternary igneous rocks in Kyushu (In Japanese, with English abstract): 九州後期新生代火山活動, 地 33, 295-311.
- 99-0711 Miyamachi, M., 1987, Correlation of the pyroclastic flow deposits in Southern Kyushu, Japan (In Japanese, with English abstract): 九大教養地研報, 25, 9-38.

- |         |   |       |  |  |   |              |
|---------|---|-------|--|--|---|--------------|
| 99-0749 | Kurasawa, H.,   | 1987, | strontium isotopic consequence of the volcanic rocks from Kyushu, Southwest Japan (In Japanese, with English abstract):  | 九州後期新生代火山活動・地<br>団研專報,   | 33,                                       | 313-327.     |
| 99-0774 | Nagamine, S.,   | 1987, | On a pyroclastic flow deposit of Middle Pleistocene in Southern Kyushu, Japan (In Japanese, with English abstract):  | 九州後期新生代火山活動・地<br>団研專報,   | 33,                                       | 171-178.     |
| 99-0782 | Sibuet, J.-C., Letouzey, J., Barrier, F., Charvet, J., Foucher, J.-P., Hilde, T.W.C., Kimura, M., Ling-Yun, C., Marsset, B., Muller, C. and Stephan, J.-F., | 1987, | Back arc extension in the Okinawa Trough:  | J. Geophys. Res.,  | 92,                                       | 14041-14063. |
| 99-0797 | Ohta, K.,   | 1987, | Geological structure of Unzen volcano and its relations to the volcanic phenomina (In Japanese, with English abstract):  | 九州後期新生代火山活動・地<br>団研專報,   | 33,                                       | 71-85.       |
| 99-0836 | Matsumoto, Y.,  | 1987, | The late Cenozoic volcanic series in northern and central Kyushu, Japan (In Japanese, with English abstract):  | 九州後期新生代火山活動・地<br>団研專報,   | 33,                                       | 235-249.     |
| 99-0895 | Hase, Y., Yamamoto, M., Nagamina, S. and Nomura, S.,  | 1987, | Volcano-stratigraphy of Yaeyama area in Kagoshima Prefecture, Japan (In Japanese, with English abstract):  | 九州後期新生代火山活動・地<br>団研專報,   | 33,                                       | 189-206.     |
| 99-0903 | Ewart, A. and Hawkesworth, C.J.,  | 1987, | The Pleistocene-Recent Tonga-Kermadec arc lavas: interpretation of new isotopic and rare earth data in terms of a depleted mantle source model:                  | J. Petrol.,  | 28,                                       | 495-530.     |
| 99-0919 | Hollister, L.S., Grissom, G.C., Peters, E.K., Stowell, H.H. and Sisson V.B.,  | 1987, | Confirmation of the empirical correlation of Al in hornblende with pressure of solidification of calc-alkaline plutons:  | Am. Miner.,  | 72,                                       | 231-239.     |
| 99-0975 | Yagi, K. and Takeshita, H.,   | 1987, | Impact of hornblende crystallization for the genesis of calc-alkalic andesites:  | In B.O. Mysen edit,<br>Magmatic Processes:<br>Physicochemical Principles   | Geochemica<br>l Soc. Spec.<br>Pub. No. 1  | 183-190.     |
| 99-0993 | Kushiro, I.,  | 1987, | A petrological model of the mantle wedge and lower crust in the Japanese island arcs:  | In B.O. Mysen edit,<br>Magmatic Processes:<br>Physicochemical Principles   | Geochemica<br>l Soc. Spec.<br>Pub. No. 1  | 165-181.     |
| 99-1005 | Arai, S.,   | 1987, | Xenoliths of "olivine cumulates" from Ichinomegata and Sannomegata, Japan (In Japanese, with English abstract):  | J. Japan. Assoc. Mineral.<br>Petrol. Econ. Geol.   | 82,                                       | 51-59.       |
| 99-1010 | Gamble, J.A. and Kyle, P.R.,  | 1987, | The origins of glass and amphibole in spinel-wehrlite xenoliths from Foster Crater, Mcmurdy Volcanic Group, Antarctica:  | J. Petrol.,  | 28,                                       | 755-779.     |
| 99-1014 | Nixon, P.H.,  | 1987, | The Pacific plate and adjoining regions:   | In: P.H. Nixon (edited),<br>Mantle Xenoliths,  | John Wiley<br>and Sons<br>Ltd             | 295-301.     |
| 99-1018 | Rutter, M.J.,   | 1987, | Evidence for crustal assimilation by turbulently convecting, mafic alkaline magmas: geochemistry of mantle xenolith-bearing lavas from northern Sardinia:        | J. Volcanol. Geotherm.<br>Res.,  | 32,                                       | 343-354.     |
| 99-1030 | Kanisawa, S. and Shibata, K.,   | 1987, | Strontium isotope ratios of the products from the Adachi volcano, Northeast Japan (In Japanese, with English abstract):  | J. Japan. Assoc. Mineral.<br>Petrol. Econ. Geol.,  | 82,                                       | 81-84.       |
| 99-1065 | Murata, A.,   | 1987, | Conical folds in the Hitoyoshi bending, south Kyushu, formed by the clockwise rotation of the southwest Japan arc:   | J. Geol. Soc. Japan,   | 93,                                       | 91-105.      |
| 99-1115 | Faure, M. and Lalevéé, F.,  | 1987, | Bent structural trends of Japan: flexural-slip folding related to the Neogene opening of the Sea of Japan:   | Geology,   | 15,                                       | 49-52.       |
| 99-1120 | Celaya, M. and McCabe, R.,  | 1987, | Kinematic model for the opening of the Sea of Japan and the bending of the Japanese islands:   | Geology,   | 15,                                       | 53-57.       |
| 99-1153 | Mazzone, P., Stewart, D.C. and Hughes, J.M.,  | 1987, | Sub-solidus dehydration of amphiboles in an andesitic magma:   | Contrib. Mineral. Petrol.,   | 97,                                       | 292-296.     |
| 99-1160 | Scarfe, C.M. and Fujii, T.,   | 1987, | Petrology of crystal clots in the pumice of Mount St. Helens' March 19, 1982 eruption: significant role of Fe-Ti oxide crystallization:                          | J. Volcanol. Geotherm.<br>Res.,  | 34,                                       | 1-14.        |
| 99-1167 | Griffin, W.L. and O'Reilly, S.Y.,   | 1987, | The composition of the lower crust and the nature of the continental Moho: xenolith evidence:  | In P. H. Nixon edited,<br>Mantle Xenolith  | John Wiley<br>& Sons Ltd,                 | 413-432.     |
| 99-1168 | Arai, S. and Takahashi, N.,   | 1987, | A kaersutite-bearing dunite xenolith from Ichinomegata, northeastern Japan (In Japanese, with English abstract):   | J. Japan. Assoc. Mineral.<br>Petrol. Econ. Geol.,  | 82,                                       | 85-89.       |
| 99-1198 | Mukaiyama, H., Mogi, T. and Kimura, T.,   | 1987, | Tectonic deduced from Landsat images in the Southern part of Chubu District, Central Japan (In Japanese, with English abstract):                                 | J. Seismol. Soc. Japan,  | 40,                                       | 541-549.     |
| 99-1207 | Hase, Y., Yamamoto, M., Nagamine, S. and Nomura, S.,  | 1987, | Volcano-stratigraphy of Yaeyama area in Kagoshima Prefecture, Japan (In Japanese, with English abstract):  | In Matsumoto, Y., Hase,<br>Y., Takeshita, H.,<br>Hayasaka, S. and<br>Furukawa, H. (editors),<br>Various topics of the late<br>Cenozoic volcanism in<br>Kyushu, Japan:<br>Monograph 33, | The Assoc.<br>Geol.<br>Collab.<br>Japan., | 189-206.     |
| 99-1208 | Hase, Y., Yamawaki, S. and Hayasaka, Y.,  | 1987, | Reinvestigation of the Quaternary stratigraphy of the northwestern coastal area of Kagoshima Bay in Southern Kyushu, Japan (In Japanese, with English abstract): | In Matsumoto, Y., Hase,<br>Y., Takeshita, H.,<br>Hayasaka, S. and<br>Furukawa, H. (editors),<br>Various topics of the late<br>Cenozoic volcanism in<br>Kyushu, Japan:<br>Monograph 33, | The Assoc.<br>Geol.<br>Collab.<br>Japan., | 207-224.     |
| 99-1264 | Sinton, J.M. and Fryer, P.,   | 1987, | Mariana trough lavas from 18° N: implications for the origin of back arc basin basalts:  | J. Geophys. Res.,  | 92,                                       | 12782-12802. |
| 99-1328 | Gust, D.A. and Perfit, M.R.,  | 1987, | Phase relations of a high-Mg basalt from the Aleutian Island Arc: implications for primary island arc basalts and high-Al basalts:                               | Contrib. Mineral. Petrol.,   | 97,                                       | 7-18.        |
| 99-1329 | Meen, J.K.,   | 1987, | Formation of shoshonites from calcalkaline basalt magmas: geochemical and experimental constraints from the type locality:                                       | Contrib. Mineral. Petrol.,   | 97,                                       | 333-351.     |
| 99-1330 | Crawford, A.J., Fallon, T.J. and Eggins, S.,  | 1987, | The origin of island arc high-alumina basalts:   | Contrib. Mineral. Petrol.,   | 97,                                       | 417-430.     |
| 99-1347 | Notsu, K., Ono, K. and Soya, T.,  | 1987, | Strontium isotopic relations of bimodal volcanic rocks at Kikai volcano in the Ryukyu arc, Japan   | Geology,   | 15,                                       | 345-348.     |
| 99-1351 | Notsu, K., Aramaki, S., Oshima, O. and Kobayashi, Y.,   | 1987, | Two overlapping plates subducting beneath central Japan as revealed by strontium isotope data:   | J. Volcanol. Geotherm.<br>Res.,  | 32,                                       | 195-207.     |

- 99-1353 Notsu, K., Lopez-Escoban, L. and Onuma, N., 1987, Along arc variation of Sr-isotope composition in volcanic rocks from the Southern Andes (33° S-55° S): *Geochem. J.*, 21, 307-313.
- 99-1417 Tilling, R.I., Wright, T.L. and Millard, Jr., H.T., 1987, Trace element chemistry of Kilauea and Mauna Loa lava in space and time: a reconnaissance *U.S. Geol. Surv. Prof. Pap.*, 1350, 641-689.
- 99-1418 Wright, T.L. and Helz, R.T., 1987, Recent advances in Hawaiian petrology and geochemistry. *U.S. Geol. Surv. Prof. Pap.*, 1350, 625-640.
- 99-1421 Clague, D.A. and Dalrymple, G.B., 1987, The Hawaiian-Emperor volcanic chain part I. *U.S. Geol. Surv. Prof. Pap.*, 1350, 5-54.
- 99-1422 Malahoff, A., 1987, Geology of the summit of Loihi submarine volcano. *U.S. Geol. Surv. Prof. Pap.*, 1350, 133-144.
- 99-1425 Takahishi, T.J., 1987, Guide to pronunciation of Hawaiian words. *U.S. Geol. Surv. Prof. Pap.*, 1350, 1663-1667.
- 12-020 Steven C. Bergman 1987, Lamproites and other potassium-rich igneous rocks: a review of their occurrence, mineralogy and geochemistry *Geological Society Special Publication, FITTON, J. G. & UPTON, B. G. J. (eds), 1987, Alkaline Igneous Rocks*, 30, 103-190.
- 12-021 Nicholas M. S. Rock 1987, The nature and origin of lamprophyres: an overview *Geological Society Special Publication, FITTON, J. G. & UPTON, B. G. J. (eds), 1987, Alkaline Igneous Rocks*, 30, 191-226.
- 12-130 石田瑞穂、 1987, 関東・東海地域の地震活動と地殻構造。 *地学雑誌*, 96, 37-50.
- 12-320 Donald W. Peterson and Richard B. Moore 1987, GEOLOGIC HISTORY AND EVOLUTION OF GEOLOGIC CONCEPTS, Island of Hawaii. *Volcanism in Hawaii, Edited by Decker, Robert W.; Wright, Thomas L.; Stauffer, Peter H. u.s. Geological Survey Professional Paper* 1350, 149-186.
- 12-321 Donald W. Peterson and Richard B. Moore 1987, GEOLOGIC HISTORY AND EVOLUTION OF GEOLOGIC CONCEPTS, Island of Hawaii. *Volcanism in Hawaii, Edited by Decker, Robert W.; Wright, Thomas L.; Stauffer, Peter H. u.s. Geological Survey Professional Paper* 1350, 149-186.
- 12-322 Donald W. Peterson and Richard B. Moore 1987, GEOLOGIC HISTORY AND EVOLUTION OF GEOLOGIC CONCEPTS, Island of Hawaii. *Volcanism in Hawaii, Edited by Decker, Robert W.; Wright, Thomas L.; Stauffer, Peter H. u.s. Geological Survey Professional Paper* 1350, 149-186.
- 12-429 William M. White, A.W. Hofmann, 1987, Isotope geochemistry of Pacific Mid-Ocean ridge Basalt. *Journal of Geophysical research*, 92, 4881-4893.
- 12-510 Barbara H. Keating, Patricia Fryer, Rodey Batiza, and George W. Boehlert Editors 1987, Seamounts, Islands, and Atolls. *Geophysical monograph*, 43, 1-405p.
- 12-b006 Emile A. Okal, Rodey Batiza, 1987, Hotspots: The first 25 years. *Seamounts, Islands, and Atolls, Barbara H. Keating, Patricia Fryer, Rodey, Batiza and George W. Boehlert edis*, Wiley 1-11
- 12-b007 Daniel J. Fomari 1 Rodey Batiza, 2 and Mary Ann Luckman 1987, SEAMOUNT ABUNDANCES AND DISTRIBUTION NEAR THE EAST PACIFIC RISE 0°-24°N BASED ON SEABEAM DATA *Seamounts, Islands, and Atolls, Barbara H. Keating, Patricia Fryer, Rodey, Batiza and George W. Boehlert edis*, Wiley 13-21.
- 15-164 狛 武費 1987, 電量測定および高周波燃焼法を用いた岩石、堆積物中の全硫黄の定量。 *地質調査所月報*, 38, 777-783.
- 16-095 JEAN-CLAUDE SEI BUET1, JEAN-ETOUZEY2, F LORENCE ARBIER3, J ACQUECH ARVET, 4 JEAN-PAFUOLU CHERI THOMASW, C. HILDE5, MASA AKKI IMURA6, CHIAOL ING-YUN7, BRUNOM ARSEST CARLAM ULLER9, AND JEAN-FRANI-OSISTI PHASN 1987, Back Arc Extension in the Okinawa Trough *JOURNAL OF GEOPHYSICAL RESEARCH*, 92, 14041-14063
- 08-371 Ganguly, J., Ruiz, J., 1986/87, Time-temperature relation of mineral isochrons: a thermodynamic model, and illustrative examples for the Rb-Sr system. *Earth Planet. Sci. Lett.*, 81, 338.
- 08-122 倉沢一、藤縄明彦、Leeman, W.P., 1986, ひとつの火山に共存するカルク・アルカリおよびソレライト質岩系マグマ - スロンチウム同位体比による検討 - *地質学雑誌*, 92, 255-268.
- 12-131 石田瑞穂、 1986, 関東・東海地域の震源分布から推定したフィリピン海及び太平洋プレートの等深線。 *国立防災科学技術センター研究報告、地質調査所* 36, 1-19.
- 13-022 松井和典・河田清雄、 1986, 20万分の1地質図「福江および富江」
- 00-0011 Furuta, T., Fujioka, K. and Arai, F., 1986, Widespread submarine tephra around Japan: Petrographic and chemical properties. *Mar. Geol.*, 72, 125-142.
- 00-0059 Ui, T., Yamamoto, H. and Suzuki-Kamata, K., 1986, Characterization of debris avalanche deposits in Japan *J. Volcan. Geotherm. Res.*, 29, 231-243.
- 00-0194 Ibbeken, H. and Schleyer, R., 1986, Photo-sieving: a method for grain-size analysis of coarse-grained, unconsolidated bedding surface. *Earth Surface Processes and landforms* 11, 59-77.
- 02-0008 Hammarstrom, J.M., Zen, E. 1986, Aluminum in hornblende: An empirical igneous geobarometer. *Amer. Mine.*, 71, 1297-1310.
- 03-0073 Carmichael I.S.E., and Ghiorso, M.S., 1986, Oxidation-reduction relations in basic magma: a case for homogeneous equilibria. *Earth Planet. Sci. Lett.*, 78, 200-210.
- 04-079 O'Brien, P.E., and Wells, A.T., 1986, A small, alluvial crevasse splay. *J. Sed. Petrology*, 56, 876-879.
- 06-026 Nakamura Y., Fujimaki H., Nakamura N., and Tatsumoto M. 1986, Hf, Zr, and ree partition coefficients between ilmenite and liquid: implications for lunar petrogenesis. *J. Geophys. Res.* 91, 239-250.
- 06-050 Bard, J.P., 1986, Microtextures of igneous and metamorphic rocks *bard* Kluwer Academic Publishers 278p

06-1042	Adams, G.E., Bishop, F.C.,	1986,	The olivine - clinopyroxene geobarometer: experimental results in the CaO-FeO-MgO-SiO <sub>2</sub> system.	Contrib Mineral Petrol,	94,	230-237.
06-1063	Furuta, T., Fujioka, K., Arai, F.,	1986,	Widespread submarine tephra around Japan - petrographic and chemical properties.	Mar. Geol.,	72,	125-142.
06-1134	佐々木実, 吉田武義, 青木謙一郎	1986,	東北日本弧, 日光火山群の地球化学的研究	核理研研究報告,	19,	307-319.
06-1141	倉沢一 ほか	1986,	ひとつの火山に共存するカルク・アルカリおよびソレライト質岩系マグマ - ストロンチウム同位体比による検討-	地質学雑誌	92,	255-268.
06-136	Bohlen, S.R., Liotta, J.,	1986,	A barometer for garnet amphibolites and garnet granulites.	J. Petrol.,	27,	1025-
06-142	Bertrand, P., Sotin, C., Mercier, J.-C.C., Takahashi, E.,	1986,	From the simplest chemical system to the natural one: garnet peridotite barometry.	Contrib. Min. Petrol.	93,	168-178.
06-146	Newman, S., Macdougall, J.D., Finkel, R.C.,	1986,	Petrogenesis and 230 Th-232Th disequilibrium at Mt. Shasta, California, and in the Cascades.	Contrib. Min. Petrol.	93,	195-206.
06-150	Ogawa, Y., Yukutake, T., Utada, H.,	1986,	Two-dimensional modelling of resistivity structure beneath the Tohoku district, Northern Honshu of Japan, by a Finite Element Method.	J. Geomag. Geoelectr.,	38,	45-79.
06-3074	Wohletz, K.H.,	1986,	Explosive magma-water interactions: Thermodynamics, explosion mechanisms, and field studies.	Bull volcanol.,	48,	245-264.
07-114s	Gill, J.B.,	1986,	Early geochemical evolution of an oceanic island arc and backarc: Fiji and the south Fiji basin.	J. Petrol.,	95,	589-615.
07-123F	Condie, K.C.,	1986,	Geochemistry and tectonic setting of early Proterozoic supracrustal rocks in the southwestern United States.	J. Petrol.,	94,	845-864.
07-130F	Cameron, K.L., Cameron, M.,	1986,	Whole-rock/ groundmass differentiation trends of rare earth elements in high-silica rhyolites.	Geochem. Cosmochem. Acta.,	50,	759-769.
07-142s	Macdougall, J.D., Lugmair, G.W.,	1986,	Sr and Nd isotopes in basalts from the East Pacific Rise: significance for mantle heterogeneity.	Earth Planet. Sci. Lett.	77,	273-284.
07-143F	Brearley, M., Scarfe, C.M.,	1986,	Dissolution rates of upper mantle minerals in an alkali basalt melt at high pressure: an experimental study and implications for ultramafic xenolith survival.	J. Petrol.,	27,	1157-1182.
07-147s	Mongkoltip, P., Ashworth, J.R.,	1986,	Amphibolitization of metagabbros in the Scottish Highlands.	J. Metamorphic Geol.,	4,	261-283.
07-148s	Myers, J.D., Frost, C.D., Angevine, C.L.,	1986,	A test of a quartz eclogite source for parental Aleutian magmas: a mass balance approach.	J. Geol.,	94,	811-828.
07-149	Bacon, C.R.,	1986,	Magmatic inclusions in silicic and intermediate volcanic rocks.	J. Geophys. Res.,	91,	6091-
07-154F	Rong-Long, C., Ross, C., Ernst, W.G.,	1986,	Experimental studies to 10 kb of the bulk composition tremolite50-tschermakite50 + excess H <sub>2</sub> O.	Contrib., Mineral., Petrol.,	93,	160-167.
07-155s	Obara, K., Hasegawa, A., Takagi, A.,	1986,	Three dimensional P and S wave velocity structure beneath the northeastern Japan arc (in Japanese).	地震,	39,	201-215.
07-157F	Rong-Long, C., Ross, C., Ernst, W.G.,	1986,	Experimental studies to 10 kb of the bulk composition tremolite50-tschermakite50 + excess H <sub>2</sub> O.	Contrib., Mineral., Petrol.,	93,	160-167.
07-163F	Clemens, J.D., Holloway, J.R., White, A.J.R.,	1986,	Origin of an A-type granite: experimental constraints	Amer.Min.,	71,	317-324.
07-165F	Tschiyama, A.,	1986,	Experimental study of olivine-melt reaction and its petrological implications.	J. Volcanol. Geother. Res.,	29,	245-264.
07-167s	Ellis, D.J.,	1986,	Garnet-liquid Fe <sup>2+</sup> - Mg equilibria and implications for the beginning of melting in the crust and subduction zones.	Amer. J. Sci.,	286,	765-791.
07-171	Allegre, C.J., Hamelin, B., Provost, A., Dupre, B.,	1986,	Topology in isotopic multispace and origin of mantle chemical heterogeneities.	Earth, Planet., Sci., Lett.,	81,	319-337.
07-180	Cameron, K., Cameron, M.,	1986,	Whole-rock/ groundmass differentiation trends of rare earth elements in high-silica rhyolites.	Geochim. Cosmochim. Acta.,	50,	759-769.
08-103	Arculus, R.J., Powell, R.,	1986,	Source component mixing in the regions of arc magma generation.	J. Geophys. Res.,	91,	5913-
08-124	Kay, R.W., Kay, S.M.,	1986,	Petrology and geochemistry of the lower continental crust: an overview.	In The nature of the lower continental crust, (eds. Dawson, J.B., Carswell, D.A., Hall, D.A., Wedepohl, K.H.)	Geol. Soc. Spec. Pub.,	147-159.
08-139	Leeman, W.P., Hawkesworth, C.J.,	1986,	Open magma systems: trace element and isotopic constraints.	J. Geophys. Res.,	91,	5901-
08-148	Sparks, R.S.J., Marshall, L.A.,	1986,	Thermal and mechanical constraints on mixing between mafic and silicic magmas.	J. Volcanol. Geotherm. Res.,	29,	99-124.
08-149	Huppert, H.E., Sparks, R.S.J., Whitehead, J.A., Hallworth, M.A.,	1986,	Replenishment of magma chambers by light inputs.	J. Geophys. Res.,	91,	6113-6122.
08-163	Wilkinson, J.F.G.,	1986,	Classification and average chemical compositions of common basalts and andesites.	J. Petrol.,	27,	31-62.
08-164	Ellis, D.J., Thompson, A.B.,	1986,	subsolidus and partial melting reactions in the quartz-excess and water-deficient conditions to 10 kb: some implications for the origin of peraluminous melts from mafic rocks.	J. Petrol.,	27,	91-121.
08-178	Ferrara, G., Preite-Martinez, M., Taylor, Jr. H.P., Tonarini, S., Turi, B.,	1986,	Evidence for crustal assimilation, mixing of magmas, and a 87Sr-rich upper mantle. An oxygen and strontium isotope study of the Vulcini volcanic area, Central Italy.	Contrib. Mineral. Petrol.,	92,	269-280.
08-195	Zen, E.-A.,	1986,	Aluminum enrichment in silicate melts by fractional crystallization: some mineralogical and petrographic constraints.	J. Petrol.,	27,	1095-1117.
08-203	Zindler, A., Hart, S.,	1986,	Helium: problematic primordial signals.	Earth Planet. Sci. Lett.,	79,	1-8.
08-210	木下修, 伊藤英文,	1986,	西南日本の白亜紀火成活動の移動と海嶺のもぐり込み.	地質学雑誌,	92,	723-
08-253	wyborn, D., Chappell, B.W.,	1986,	The petrogenetic significance of chemically related plutonic and volcanic rock units.	Geol. Mag.,	123,	619-628.
08-263	Huang, W.-L., Wyllie, P.J.,	1986,	Phase relationships of gabbro-tonalite-granite-water at 15 kbar with applications to differentiation and anatexis.	Amer. Min.,	71,	301-316.
08-279	Weaver, B.L., Wood, D.A., Tarney, J., Joron, J.L.,	1986,	Role of subducted sediment in the genesis of ocean-island basalts: geochemical evidence from South Atlantic Ocean islands.	Geology,	14,	275-278.
08-341	Rudnick, R.L., McDonough, W.F., McCulloch, M.T., Taylor, S.R.,	1986,	Lower crustal xenoliths from Queensland, Australia: evidence for deep crustal assimilation and fractionation of continental basalts.	Geochim. et. Cosmochim. Acta.,	1986,	1099-1115.

- 08-345 Tsukui, M., Sakuyama, M., Koyaguchi, T., Ozawa, K., 1986, Long-term eruption rates and dimensions of magma reservoirs beneath Quaternary polygenetic volcanoes in Japan. Jour. Volcanol. Geotherm. Res., 29, 189-202.
- 08-347 Elthon, D., 1986, Comments on "composition and depth of origin of primary mid-ocean ridge basalts" by D.C. Presnall and J.D. Hoover. Contrib. Min. Petrol., 94, 253-256.
- 08-382 White, W.M., Dupre, B., 1986, Sediment subduction and magma genesis in the Lesser Antilles: isotopic and trace element constraints. J. Geophys. Res., 91, 5927-5941.
- 08-395 Oba, T., Nicholls, I.A., 1986, Experimental study of cummingtonite and Ca-Na amphibole relations in the system Cum-Act-Pl-Qz-H<sub>2</sub>O. Amer. Min., 71, 1354-1365.
- 08-411 Taylor, S.R., Rudnick, R.L., McLennan, S.M., Eriksson, K.A., 1986, Rare earth element patterns in Archean high-grade metasediments and their tectonic significance. Geochim. et. Cosmochim. Acta., 50, 2267-2279.
- 08-429 Tatsumi, Y., Hamilton, D.L., Nesbitt, R.W., 1986, Chemical characteristics of fluid phase released from a subducted lithosphere and origin of arc magmas: evidence from high-pressure experiments and natural rocks. Jour. Volcanol. Geotherm. Res., 29, 293-309.
- 08-430 巽好幸, 1986, ウエッジ内対流とマントルダイアピル —島弧マグマの発生—. 火山 第2集, 31, 39-44.
- 08-431 Tatsumi, Y., Nakamura, N., 1986, Composition of aqueous fluid from serpentinite in the subducted lithosphere. Geochem. J., 20, 191-196.
- 08-433 Nohda, S., Tatsumi, Y., 1986, What happened in the mantle wedge during the Japan Sea opening? J. Geomag. Geoelectr., 38, 545-550.
- 08-437 Tatsumi, Y., 1986, Formation of the volcanic front in subduction zones. Geophys. Res. Lett., 13, 717-720.
- 08-438 巽好幸, 1986, 沈み込み帯マグマの成因. 火山第2集, 30, 153-172.
- 08-441 Tera, F., Brown, L., Morris, J., Sacks, I.S., 1986, Sediment incorporation in island-arc magmas: inferences from 10Be. Geochim. et. Cosmochim. Acta., 50, 535-550.
- 08-443 Whitham, A.G., Sparks, R.S.J., 1986, Pumice. Bull. Volcanol., 48, 209-223.
- 09-023 中村光一, 坂口圭一, 長井俊夫, 1986, 鬼界カルデラの海底地質調査. 海洋科学技術センター試験研究報告, 137-155.
- 09-070 植田義夫, 1986, 南西諸島周辺海域の地磁気異常と構造論. 火山, 31, 177-188.
- 10-026 Miyashiro, A., 1986, Hot regions and the origine of marginal basins in the western Pacific. Tetonophysics, 122, 195-216.
- 10-083 石井輝秋, 1986, 小笠原海域から採集されたドレッジ試料—海底試料研究の1例—. 月刊地球, 8, 510-511.
- 10-092 中村光一・坂口圭一・長井俊夫, 1986, 鬼界カルデラの海底地質調査—特にgiant pumiceの産状, 微地形の検討, 水温の測定について—. 海洋科学技術センター試験研究報告, 137-155.
- 10-476 海上保安庁 水路部, 1986, 南西諸島 離島海の基本図「横当島」. 資料整理報告書, 94 p.
- 99N-102 Huang, W. L. and Wyllie, P. J., 1986, Phase relationships of gabbro-tonalite-granite-water at 15 kbar with applications to differentiation and anatexis. Am. Miner., 71, 301-316.
- 99N-103 Brown, Jr., G. E. and Ewing, R. C., 1986, Introduction to Jahns merorial Issue. Am. Miner., 71, 233-238.
- 99N-104 Fenn, P. M., 1986, On the origin of graphic granite. Am. Miner., 71, 325-330.
- 99N-105 Sawanson, S. E. and Fenn, P. M., 1986, Quartz crystallization in igneous rocks. Am. Miner., 71, 331-342.
- 99S-122 Feigenson, M. D. and Carr, M. J., 1986, Positive correlated Nd and Sr isotope ratios of lavas from the Central American volcanic front. Geol., 14, 79-82.
- 99S-124 Dungan, M. A., Lindstrom, M. M., McMillan, N. J., Moorbath, S., Hoefs, J. and Haskin, L. A., 1986, Open system magmatic evolution of the Taos Plateau volcanic field, northern New Mexico 1. The petrology and geochemistry of the Servilleta basalt. J. Geophys. Res., 91, 5999-6028.
- 99S-130 Gust, D. A. and Arculus, R. J., 1986, Petrogenesis of alkalic and calcalkalic volcanic rocks of Mormon Mountain volcanic field, Arizona. Contrib. Mineral. Petrol., 94, 416-426.
- 99S-162 Monaghan, M. C., Krishnaswami, S. and Turekian, K. K., 1986, The global-average production rate of 10Be. Earth Planet. Sci. Lett., 76, 279-287.
- 99S-20 Alibert, C., Michard, A. and Albarede, F., 1986, Isotope and trace element geochemistry of Colocado Plateau volcanics. Geochem. Cosmochem. Acta., 50, 2735-2750.
- 99T-17 Johnston, A. d., 1986, Anhydrous P-T phase relations of near-primary high-alumina basalt from the South Sandwich Islands: Implications for the origin of island arcs and tonalite-trondhjemite series rocks. Contrib. Mineral. Petrol., 92, 368-382.
- 99T-21 Juteau, M., Michard, A. and Albarede, F., 1986, The Pb-Sr-Nd isotope geochemistry of some recent circum-Mediterranean granites. Contrib. Mineral. Petrol., 92, 331-340.
- 99Y-39 White, W. M., Patchett, J. and BenOthman, D., 1986, Hf isotope ratios of marine sediments and Mn nodules: evidence for a mantle source of Hf in seawater. Earth Planet. Sci. Lett., 79, 46-54.
- 10-529 中村光一・坂口圭一\*1・長井俊夫, 1986, 鬼界カルデラの海底地質調査—特に, Giant pumiceの産状, 微地形の検討, 水温の測定について—. 海洋科学技術センター試験研究報告, 137-155.
- 99-0073 Clemens, J.D., Holloway, J.R. and White, A.J.R., 1986, Origin of an A-type granite: experimental constraints. Am. Miner., 71, 317-324.
- 99-0163 Bhattacharya, A. and Sen, S.K., 1986, Granulite metamorphism, fluid buffering, and dehydration melting in the Madras charnockites and metapelites. J. Petrol., 27, 1119-1141.
- 99-0304 von drach, V., Marsh, B.D. and Wasserburg, G.J., 1986, Nd and Sr isotopes in the Aleutians: multicomponent parenthood of island-arc magma. Contrib. Mineral. Petrol., 92, 13-34.
- 99-0354 Bacon, C.R., 1986, Magmatic inclusions in silicic and intermediate volcanic rocks. J. Geophys. Res., 91, 6091-6100.
- 99-0366 Brandeis, G. and Jaupart, C., 1986, On the interaction between convection and crystallization in cooling magma chambers. Earth Planet. Sci. Lett., 84, 345-361.
- 99-0381 Fujimaki, H., 1986, Fractional crystallization of the basaltic suite of Usu volcano, southwest Hokkaido, Japan, and its relationships with the associated felsic suite. Lithos, 19, 129-140.
- 99-0411 Kimura, M., Kaneoka, I., Kato, Y., Yamamoto, S., Kushiro, I., Tokuyama, H., Kinoshita, H., Isezaki, N., Masaki, H., Oshida, A., Uyeda, S. and Hilde, T.W.C., 1986, Report on DELP 1984 cruises in the middle Okinawa Trough Part V: topography and geology of the central grabens and Their vicinity. Bull. Earthq. Res. Inst., 61, 269-310.
- 99-0412 Kato, Y., 1986, Petrography of andesite dredged at the northern slope of the Okinawa Trough (in Japanese, with English abstract). Bull. Coll. Sci. Univ. Ryukyus, 41, 49-56.
- 99-0416 Kizaki, K., 1986, Geology and tectonics of the Ryukyu islands. Tectonophysics, 125, 193-207.
- 99-0418 Juan, V.C., 1986, Thermal tectonic evolution of the Yellow Sea and East China Sea-implication for transformation of continental to oceanic crust and marginal basin formation. Tectonophysics, 125, 231-244.

- 99-0427 Hofmann, A.W., Jochum, K.P., Seufert, M. and White, W.M., 1986, Nb and Pb in oceanic basalts: new constraints on mantle evolution: Earth Planet. Sci. Lett., 79, 33-45.
- 99-0436 Hildreth, W., Grove, T.L. and Dungan, M.A., 1986, Introduction to special section on open magmatic systems: J. Geophys. Res., 91, 5887-5889.
- 99-0447 Hildreth, W. and Mahood, G.A., 1986, Ring-fracture eruption of the Bishop Tuff Geol. Soc. Am. Bull., 97, 396-403.
- 99-0539 Uto, K., 1986, Variation of Al<sub>2</sub>O<sub>3</sub> content in late Cenozoic Japanese basalts: a re-examination of Kuno's high-alumina basalt: J. Volcanol. Geotherm. Res., 29, 397-411.
- 99-0541 Uto, K., Yoshida, T., Aoki, K. and Tanaka, T., 1986, Geochemical study of the Sendai basalt, southern Kyushu, Japan (In Japanese): 核理研報告, 19, 349-360.
- 99-0545 Ida, Y., Yamaguchi, M. and Masutani, F., 1986, Recent seismicity and stress field in Kirishima Volcano (In Japanese, with English abstract): J. Seismol. Soc. Japan, 39, 111-121.
- 99-0546 Ida, Y., Yamaguchi, M. and Masutani, F., 1986, Recent seismicity in Kirishima Volcano and Kakuto caldera (In Japanese, with English abstract): J. Seismol. Soc. Japan, 39, 595-605.
- 99-0550 Yokoyama, I., 1986, Crustal deformation caused by the 1914 eruption of Sakurajima volcano, Japan and its secular changes: J. Volcanol. Geotherm. Res., 30, 283-302.
- 99-0552 Yokoyama, I. and Ohkawa, S., 1986, The subsurface structure of the Aira caldera and its vicinity in southern Kyushu, Japan: J. Volcanol. Geotherm. Res., 30, 253-282.
- 99-0577 Sugiyama, H., Hayashi, M. and Fujino, T., 1986, Fission track age of the Unzen volcanic rocks in Western Kyushu, Japan: Bull. volcanol. Soc. Japan, 31, 85-94.
- 99-0646 Ujike, O., Soya, T. and Ono, K., 1986, Major element, Rb, Sr, Y and Zr composition and origin of volcanic rocks from the Kikai caldera, south of Kyushu (In Japanese, with English abstract): J. Japan. Assoc. Mineral. Petrol. Econ. Geol., 81, 105-115.
- 99-0651 Tatsumi, Y., Hamilton, D.L. and Nesbitt, R.W., 1986, Chemical characteristics of fluid phase released from a subducted lithosphere and origin of arc magmas: evidence from high-pressure experiments and natural rocks: J. Volcanol. Geotherm. Res., 29, 293-309.
- 99-0727 Nakada, S., 1986, Comparative study of chemistry of rocks from the Kirishima, and the Daisen volcanic belts in Kyushu, southwest Japan (In Japanese, with English abstract): Bull. volcanol. Soc. Japan, 31, 95-110.
- 99-0743 Kurasawa, H., 1986, Strontium isotopic evidence for the genesis of volcanic rocks from Japanese Island arcs (In Japanese, with English abstract): J. Geogr., 95, 30-52.
- 99-0763 Takeuchi, A., 1986, Oligocene/Miocene rotational block-movement and paleostress field of Japan: J. Geomag. Geoelectr., 38, 495-511.
- 99-0773 Tsukawaki, S., Kuratomi, K., Kaneda, S., Oki, K. and Hayasaka, S., 1986, Upper Cainozoic stratigraphy of the western part of the Hitoyoshi basin, south Kyushu, Japan (In Japanese, with English abstract): 鹿児島大理学部紀要(地学・生物学), 19, 87-106.
- 99-0781 Letouzey, J. and Kimura M., 1986, The Okinawa Trough: genesis of a back-arc basin developing along a continental margin: Tectonophysics, 125, 209-230.
- 99-0893 Kubota, Y., 1986, geological and geotectonic setting of gold-silver mineralization in the Hokusatsu district, southern Kyushu, Japan (In Japanese, with English abstract): Min. Geol., 36, 459-474.
- 99-0917 Peng, Z.C., Zartman, R.E., Futa, K. and Chen, D.G., 1986, Pb-, Sr- and Nd- isotopic systematics and chemical characteristics of Cenozoic basalts, Eastern China: Chem. Geol., 59, 3-33.
- 99-0920 Takahashi, E., 1986, Genesis of calc-alkali andesite magma in a hydrous mantle-crust boundary: petrology of lherzolite xenoliths from the Ichinomegata crater, Oga Peninsula Northeast Japan, Part II: J. Volcanol. Geotherm. Res., 29, 355-395.
- 99-0925 Nakamura, E., and McDougall, I. and Campbell, I.H., 1986, K-Ar ages of basalts from the Higashi-Matsuura district, northwest Kyushu, Japan and regional geochronology of the Cenozoic alkaline volcanic rocks in eastern Asia: Geochem. J., 20, 91-99.
- 99-0938 Nakamura, T., Banju, M., Sato, J. and Takahashi, H., 1986, Composition variation within the 1707 fallout tephra from Fuji Volcano (In Japanese, with English abstract): Bull. Volcanol. Soc. Japan, 31, 253-264.
- 99-0968 Downes, H. and Leyreloup, A., 1986, Granulitic xenoliths from the French Massif Central - petrology, Sr and Nd isotope systematics and model age estimates: In Dawson, J.B., Caeswell, D.A., Hall, J. and Wedepohl, K.H. (eds), The nature of the Lower Continental Crust, Geol. Soc. Special. Pub., 24, 319-330.
- 99-0982 Takahashi, E., 1986, Genesis of calc-alkali andesite magma in a hydrous mantle-crust boundary: petrology of lherzolite xenoliths from the Ichinomegata crater, Oga Peninsula, Northeast Japan, Part II: J. Volcanol. Geotherm. Res., 29, 355-395.
- 99-1009 Aoki, K. and Yoshida, T., 1986, 秋田県一の目湯の火山岩と地殻下部由来捕獲岩の微量成分 核理研報告, 19, 279-287.
- 99-1020 Broadhurst, J.R., 1986, Mineral reactions in xenoliths from the Colorado Plateau: implications for lower crustal conditions and fluid composition: In: J.B.Dawson, D.A.Carswell, J. Hall and K.H. Wedepohl (edited), The Nature of the Lower Continental Crust, Geol. Soc. Spec. Pub. 24, 331-349.
- 99-1035 Beard, J. S., 1986, Characteristic mineralogy of arc-related cumulate gabbros: implications for the tectonic setting of gabbroic plutons and for andesite genesis: Geology, 14, 848-851.
- 99-1059 Viallon, C., Huchon, P. and Barrier, E., 1986, Opening of the Okinawa basin and collision in Taiwan: a retreating trench model with lateral anchoring: Earth Planet.Sci.Lett., 80, 145-155.
- 99-1067 Jolivet, L., 1986, America-Eurasia plate boundary in eastern Asia and opening of marginal basins: Earth Planet.Sci.Lett., 81, 282-288.
- 99-1094 Morse, S.A., 1986, Origin of earliest planetary crust: role of compositional convection: Earth Planet.Sci.Lett., 81, 118-126.
- 99-1114 Takeuchi, A., 1986, Oligocene / Miocene rotational block-movement and paleostress field of Japan: J. Geomag. Geoelectr., 38, 495-511.
- 99-1116 Utada, H., Hamano, Y. and Yukutake, T., 1986, A two-dimensional conductivity model across central Japan: J. Geomag. Geoelectr., 38, 447-473.
- 99-1220 Tsukui, M., Sakuyama, M., Koyaguchi, T. and Ozawa, K., 1986, Long-term eruption rates and dimensions of magma reservoirs beneath Quaternary polygenetic volcanoes in Japan: J. Volcanol. Geotherm. Res., 29, 189-202.
- 99-1244 Meschede, M., 1986, A method of discriminating between different types of mid-ocean ridge basalts and continental tholeiites with the Nb-Zr-Y diagram: Chem. Geol., 56, 207-218.

99-1303	Nakagawa, M., Shimotori, H. and Yoshida, T.,	1986,	Aoso-Osore volcanic zone-The volcanic front of the Northeast Honshu arc, Japan(In Japanese, with English abstract)	岩鉱,	81,	471-478.
99-1323	Arculus, R.J. and Powell, R.,	1986,	Source component mixing in the regions of arc magma generation :	J.Geophys. Res.,	96,	5913-
99-1338	Sakuyama, M. and Nesbitt, R.W.,	1986,	Geochemistry of the Quaternary volcanic rocks of the northeast Japan arc:	J. Volcanol.Geother.Res.,	29,	413-450.
99-1361	Nohda, S. and Wasserburg, G.J.,	1986,	Trends of Sr and Nd isotopes through time near the Japan Sea in northeastern Japan:	Earth Planet. Sci. Lett.,	78,	157-167.
99-1364	Nohda, S. and Wasserburg, G.J.,	1986,	Trends of Sr and Nd isotopes through time near the Japan Sea in northeastern Japan:	Earth Planet. Sci. Lett.,	78,	157-167.
99-1365	Nohda, S. and Tatsumi, Y.,	1986,	What happened in the mantle wedge during the Japan Sea opening:	J. Geomag. Geoelectr.,	38,	545-550.
99-1390	Kay, R.W. and Kay, S.M.,	1986,	Petrology and geochemistry of the lowervcontinental crust: an overview.	In: J.B. Dowson, Hall, D.A. Wedepohl, K.H.,The nature of the Lower continental crust,	Geol. Soc.Spec. Pub., 24,	147-159.
99-1396	Leeman, W.P. and Hawkesworth, C. J.,	1986,	Open magma systems: trace element and isotopic constraints.	J. Geophys. Res.,	91,	5901-5912.
12-138	JAMES G. BROPHY* AND BRUCE O. MARSH	1986,	On the origin of high-alumina arc basalt and the mechanics of melt extraction.	Jour. Petrol.,	27,	763-789.
12-175	Wes Hildreth, Timothy L. Grove, Michael A. Dungan	1986,	Introduction to special section on open magmatic systems.	JGR,	91,	5887-5889.
12-206	R. W. Kay't, J. L. Rubenstone* & S. Mahlburg Kay	1986,	Aleutian terranes from Nd isotopes.	Nature,	322,	605-609.
12-213	S. R. HART, H. STAUDIGEL,	1986,	Ocean crust vein mineral deposition: Rb/Sr ages, U-Th-Pb geochemistry and duration of circulation at DSDP sites 261, 462 and 516.	Geochimica et Cosmochimica Acta,	50,	2751-2761.
12-402	AKIHO MIYA SHIRO	1986,	Hot regions and the origin of marginal basins in the western Pacific.	Tectonophysics,	122,	195-216.
16-068	E. THEILIG AND R. GREELEY	1986,	Lava flows on Mars: analysis of small surface features and comparisons with terrestrial analogs.	PROCEEDINGS OF THE SEVENTEENTH LUNAR AND PLANETARY SCIENCE CONFERENCE, PART 1 JOURNAL OF GEOPHYSICAL RESEARCH,	91,	E193-E206.
08-202	Staudigel, H., Doyle, P., Zindler, A.,	1985/8	Sr and Nd isotope systematics in fish teeth.	Earth Planet. Sci. Lett.,	76,	45-56.
99-1112	Lallemand, S. and Jolivet, L.,	1985/6,	Japan Sea: a pull-apart basin?	Earth Planet.Sci.Lett.,	76,	375-389.
12-136	野津憲治,	1985,	地殻・マントルの地球化学。	地球化学,	19,	71-84.
02-0010	Whitney, J.A., Stormer, J.C., Jr.,	1985,	Mineralogy, Petrology, and Magmatic Conditions from the Fish Canyon Tuff, Central San Juan Volcanic Field, Colorado.	J. Petrology,	26,	726-762.
02-0097	Yamagishi, H., and Dimroth, E.,	1985,	A comparison of Miocene and Archean rhyolite hyaloclastites: evidence for a hot and fluid rhyolite lava.	J. Volc. Geotherm. Res.,	23,	337-355.
02-0164	Watts, A.B., ten Brink, U.S., Buhl, P., and Brocher, T.M.,	1985,	A multichannel seismic study of lithospheric flexure across the Hawaiian - Emperor seamount chain.	Nat.,	315,	105-111.
03-0064	Lipman, P.W., Banks, G.N., and Rhodes, J.M.,	1985,	Degassing-induced crystallization of basaltic magma and effects on lava rheology.	Nat.,	317,	604-607.
03-0094	Byers, C.D., Garcia, M.O., and Muenow, D.W.,	1985,	Volatiles in pillow rim glasses from Loihi and Kilauea volcanoes, Hawaii.	Geochim. et Cosmochim. Acta.,	49,	1887-1896.
06-028	Alan B. Binder,	1985,	Mare Basalt Genesis: Modeling Trace Elements and Isotopic Ratios.	J. Geophys. Res.,	90,	D19-D30.
06-062	Lallemand, S., Jolivet, L.,	1985,	Japan Sea: a pull-apart basin?	Earth Planet. Sci. Lett.	76,	375-389.
06-1044	McKenzie, D.,	1985,	<sup>230</sup> Th- <sup>238</sup> U disequilibrium and the melting processes beneath ridge axes.	Earth and Planetary Sci., Letters,	72,	149-157.
06-1067	Angell, J.K., Korshover, J.,	1985,	Surface temperature changes following the six major volcanic episodes between 1780 and 1980.			937-
06-1101	小坂文子, 小沢竹二郎, 松尾禎士, 平林順一, 大隈多加志	1985,	9. 地球化学 9.1 硫黄島における地球化学的研究.	地学雑誌,	94,	149-
06-1120	宇井忠英, 佐藤博明	1985,	島弧の火山活動と安山岩マグマの発生	地質学論集	25,	193-
06-138	Stoemer Jr. J.C., Whitney, J.A.,	1985,	Two feldspar and iron-titanium oxide equilibria in silicic magmas and the depth of origin of large volume ash-flow tuffs.	Amer. Mine.	70,	52-64.
06-2004	見野和夫	1985,	地形と地震の関係 (II)	地震	38	423-434
06-3080	Freundt, A., Schmincke, H.-U.,	1985,	Hierarchy of facies of pyroclastic flow deposits generated by Laacher See-type eruptions.	Geol.,	13,	278-281.
07-009	Fryer, P., Ambos, E.L., Hussong, D.M.,	1985,	Origin and emplacement of Mariana forarc seamounts.	Geol.,	13,	774-777.
07-105	Morogan, V., Martin, R.F.,	1985,	Mineralogy and partial melting of fenitized crustal xenoliths in the Oldoinyo Lengai carbonatitic volcano, Tanzania.	Amer. Min.,	70,	1114-1126.
07-113F	Anderson, D.L.,	1985,	Hotspot magmas can form by fractionation and contamination of mid-ocean ridge basalts.	Nat.,	318,	145-149.
07-114	Green, T.H., Pearson, N.J.,	1985,	Rare earth element partitioning between clinopyroxene and silicate liquid at moderate to high pressure.	Contrib., Mineral., Petrol.,	91,	24-36.
07-118F	Allegre, C.J., Turcotte, D.L.,	1985,	Geodynamic mixing in the mesosphere boundary layer and the origin of oceanic islands.	GRL	12,	207-210.
07-132F	Cortini, M., van Calsteren, P.W.C. ,	1985,	Lead isotope differences between whole-rock and phenocrysts in recent lavas from southern Italy.	Nat.,	314,	343-345.
07-133s	Le Bel, L., Cocherie, A., Baubron, J.-C., Fouillac, A.M., Hawkesworth, C.J.,	1985,	A high-K, mantle derived plutonic suite from 'Linga', near Arequipa (Peru).	J. Petrol.,	26,	124-148.
07-134F	Ashworth, J.R., McLellan, E.L.,	1985,	5 Textures	In: J.R. Ashworth (ed.), Migmatites,	Blackie, Glasgow,	180-203.
07-140F	Arculus, R.J.,	1985,	Arc magmatism: an unresolved problem of sources, material fluxes, tectonic evolution and thermochemical regions of subduction zones.	In: N.Nasu et al. (eds.), Formation of active ocean margins,	TERRAPUB	367-397.
07-149s	Myers, J.D., Marsh, B.D., Sinha, A.K.,	1985,	Strontium isotopic and selected trace element variations between two Aleutian volcanic centers (Adak and Atka): implications for the development of arc volcanic plumbing systems.	Contrib., Mineral., Petrol.,	91,	221-234.

08-057	Kranck, K., Milligan, T.G.,	1985,	Origin of grain size spectra of suspension deposited sediment.	Geo-Mar Lett.,	5,	61-66.
08-115	Menzies, M., Kempton, P., Dungan, M.,	1985,	Interaction of continental lithosphere and asthenospheric melts below the Geronimo volcanic field, Arizona, U.S.A.	J. Petrol.,	26,	663-693.
08-145	Hamelin, B., Dupre, B., Allegre, C.J.,	1985,	Pb-Sr-Nd isotopic data of Indian Ocean ridges: new evidence of large-scale mapping of mantle heterogeneities.	Earth Planet. Sci. Lett.,	76,	288-298.
08-188	鎌田浩毅,	1985,	九州中北部における火山活動の推移と地質構造.	地質調査報告,	264,	33-64.
08-190	鎌田浩毅,	1985,	熊本県宮原西方の火山岩類の層所と噴出年代—九州中北部の火山活動の時代と分布—.	地質学雑誌,	91,	289-303.
08-193	Zen, E-A.,	1985,	An oxygen buffer for some peraluminous granites and metamorphic rocks.	Amer. Min.,	70,	65-73.
08-243	Frost, C.D., O'Nions, R.K.,	1985,	Caledonian magma genesis and crustal recycling.	J. Petrol.,	26,	515-544.
08-248	Miller, R.G., O'Nions, R.K.,	1985,	Source of precambrian chemical and clastic sediments.	Nature,	314,	325-330.
08-249	Galer, S.J.G., O'Nions, R.K.,	1985,	Residence time of thorium, uranium and lead in the mantle with implications for mantle convection.	Nature,	316,	778-782.
08-313	米田幸子, 原村寛, 浦辺徹郎, 松本良,	1985,	蛍光X線分析法による火山岩中の塩素含有量の測定.	岩鉱,	80,	363-368.
08-316	Schilling, J.-G.,	1985,	Upper mantle heterogeneities and dynamics.	Nature,	314,	62-67.
08-334	Wedepohl, K.H.,	1985,	Origin of the Tertiary basaltic volcanism in the northern Hessian depression.	Contrib.Mineral. Petrol.,	89,	122-143.
08-406	Ringwood, T.,	1985,	Dynamics of subducted lithosphere and implications for basalt petrogenesis.	Terra cognita 6,	11,	67-77.
09-021	上田誠也, 木村政昭, 田中武男, 兼岡一郎, 加藤祐三, 久城育夫,	1985,	沖縄トラフ拡大軸の研究.	海洋科学技術センター試験研究報告,		123-142.
09-059	Letouzey, J., Kimura, M.,	1985,	Okinawa Trough genesis: structure and evolution of a backarc basin developed in a continent.	Marine Petrol. Geol.,	2,	111-130.
09-060	Kimura, M.,	1985,	Back-arc rifting in the Okinawa Trough.	Marine Petrol. Geol.,	2,	222-240.
09-118	木崎甲子郎 編,	1985,	琉球弧の地質史.	沖縄タイムス社		278 p
10-027	Ogawa, Y., Fujoka, K., Nishiyama, T., Uehara, S., Nakagawa, M.,	1985,	35. Ophiolitic rocks of the middle america trench landward slope off Guatemala: deformational characteristics and tectonic significance.	Initial Reports of the Deep Sea Drilling Project,	84,	791-809.
10-084	Ishii, T.,	1985,	Dredged samples from the Ogasawara fore-arc seamount or "Ogasawara paleoland"- "fore-arc ophiolite".	N. Nasu et al.(eds), Formation of active ocean margins	TERAPUB, Tokyo,	307-342.
10-085	石井輝秋,	1985,	オフィオライトの起源—島弧前縁部の上部リソスフェア由来のオフィオライト.	月刊地球,	7,	680-688.
10-114	盛谷智之, 中尾征三, 石橋嘉一, 中村光一, 岡村行信, 池原研, 川幡徳高, 西村清和, 山崎俊嗣, 氏家治, 宮崎純一, 木下泰正,	1985,	日本周辺海域の海洋地質調査活動—昭和59年度の白嶺丸による調査航海—.	地質ニュース,	367,	22-43.
10-165	Konishi, K.,	1985,	Coral reefs and present-day collision-subduction tectonics.	\\In Nasu, N., (Ed.), Formation of activeocean margins	Terra scientific, Tokyo,	875-890.
10-166	Ogawa, Y., Naka, J., Taniguchi, H.,	1985,	Ophiolite-based forearcs: a particular type of plate boundary.	\\In Nasu, N., (Ed.), Formation of activeocean margins	Terra scientific, Tokyo,	719-746.
10-167	Kimura, M.,	1985,	Formation of the Okinawa trough.	\\In Nasu, N., (Ed.), Formation of activeocean margins	Terra scientific, Tokyo,	567-591.
10-168	Yuasa, M.,	1985,	Sofugan tectonic line, a new tectonic boundary separating northern and southern parts of the Ogasawara (Bonin) arc, Northwest Pacific.	\\In Nasu, N., (Ed.), Formation of activeocean margins	Terra scientific, Tokyo,	483-496.
10-169	Fryer, P., Hussong, M.,	1985,	SeaMARC II studies of subducting seamounts.	\\In Nasu, N., (Ed.), Formation of activeocean margins	Terra scientific, Tokyo,	291-306.
10-170	Hussong, D.M., Fryer, P.,	1985,	Fore-arc tectonics in the northern mariana arc.	\\In Nasu, N., (Ed.), Formation of activeocean margins	Terra scientific, Tokyo,	273-290.
10-173	Fryer, P., Smoot, N.C.,	1985,	Processes of seamount subduction in the Mariana and Izu-Bonin trench.	Marine Geology,	64,	77-90.
10-215	Fryer, P., Smoot, N.C.,	1985,	Processes of seamount subduction in the Mariana and Izu-Bonin trenches.	Marine Geology,	64,	77-90.
10-236	P. Fryer, E. L. Ambos and D. M. Hussong	1985,	Origin and emplacement of Mariana forearc seamounts	Geology,	13,	774-777.
10-302	P. Fryer, E. L. Ambos and D. M. Hussong	1985,	Origin and emplacement of Mariana forearc seamounts.	Geology,	13,	774-777.
10-342	Masaaki, Kimura,	1985,	Back-arc rifting in the Okinawa Trough.	Marine and Petroleum Geology,	2,	222-240.
10-352	Jean letouzey, Masaaki Kimura	1985,	Okinawa Trough genesis: structure and evolution of a backarc basin developed in a continent.	Marine and Petroleum Geology,	2,	111-130.
10-457	I. K. ANGELL AND I. KORSHOVER,	1985,	Surface Temperature Changes Following the Six Major Volcanic Episodes between 1780 and 1980.	Journal of climate and applied meteorology,	24,	937-951.
10-471	工業技術院地質調査所,	1985,	西南日本周辺大陸棚の海底地質に関する研究.	昭和59年度研究報告,		
99S-121	Cameron, K. L. and Cameron, M.,	1985,	Rare earth element, 87Sr/86Sr, and 143Nd/144Nd compositions of Cenozoic orogenic dacites from Baja California, northwestern Mexico, and adjacent west Texas: Evidence for the predominance of a subcrustal component:	Contrib. Mineral. Petrol.,	91,	1-11.
99S-137	Scharer, U. and Allegre, C. J.,	1985,	Determination of the age of the Australian continent by single-grain zircon analysis of Mt Narryer metaquartzite:	Nat.,	315,	52-55.
99S-138	Hamelin, B. and Allegre, C. J.,	1985,	Large-scale regional units in the depleted upper mantle revealed by an isotope study of the South-West Indian Ridge:	Nat.,	315,	196-199.
99S-77	Furman, T. and Spera, F.,	1985,	Co-mingling of acid and basic magma with implications for the origin of mafic I-type xenoliths: Field and petrochemical relations of an unusual dike complex at Eagle lake, Sequoia national park, California, U. S. A.:	J. Volcanol. Geotherm. Res.,	24,	151-178.
10-528	上田誠也*1 木村政昭*2 田中武男*, 兼岡一郎*3 加藤祐三*2 久城育夫*	1985,	沖縄トラフ拡大軸の研究	海洋科学技術センター試験研究報告,		123-142.
10-573	MAKOTO Y AMANO and SEIY A UYEDA	1985,	POSSIBLE EFFECTS OF COLLISIONS ON PLATE MOTIONS.	Tectonophysics,	119,	223-244.



10-577	SUSAN McGEARY *, AMOS NUR, and ZVI BEN-AVRAHAM	1985,	SPATIAL GAPS IN ARC VOLCANISM: THE EFFECT OF COLLISION OR SUBDUCTION OF OCEANIC PLATEAUS	Tectonophysics,	119,	195-221.
99-0170	Green, T.H. and Pearson, N.J.	1985,	Experimental determination of REE partition coefficients between amphibole and basaltic to andesitic liquids at high pressure:	Geochem. Cosmochim. Acta.,	49,	1465-1468.
99-0246	Togashi, S., Shirahase, T. and Tamanyu, S.,	1985,	Sr isotope geochemistry of voluminous rhyolite of the Tamagawa welded tuffs, related rocks and andesite area, northeast Japan:	J. Volcanol. Geotherm. Res.,	24,	339-352.
99-0277	Ikeda, Y., Katsui, Y. and Kurasawa, H.,	1985,	A magma mixing model based on strontium isotopic and trace element data for the origin of calc-alkali andesites from the Daisetsu-Tokachi volcanic chain, central Hokkaido, Japan:	J. Japan. Assoc. Min. Petr. Econ. Geol.,	80,	304-315.
99-0278	Wada, K.,	1985,	Magma mixing process of calc-alkalic andesites from Funagata volcano:	J. Japan. Assoc. Min. Petr. Econ. Geol.,	80,	467-483.
99-0414	Kato, Y.,	1985,	Does the Okinawa Trough connect with the Beppu-Shimabara Graben, central Kyushu? -An interpretation based on rock series/types of igneous rocks (In Japanese, with English abstract):	Bull. Coll. Sci. Univ. Ryukyus,	40,	157-160.
99-0417	Tada, T.,	1985,	Spreading of the Okinawa Trough and its relation to the crustal deformation in the Kyushu (2): (In Japanese, with English abstract)	J. Seismol. Soc. Japan,	2,	1-12.
99-0529	Honza, E. and Tamaki, K.,	1985,	The Bonin arc:	In Alan E. M. Nairn, Frances G. Stehli and Seiya Uyeda (eds), The ocean basins and margins.	Plenum Pub. Co.,	459-502.
99-0578	Kamata, H. and Watanabe, K.,	1985,	Comparison and examination of K-Ar ages and fission-track age of the volcanic rocks in central-north Kyushu, Japan -The age when the volcano-tectonic depression was initially formed-(In Japanese, with English abstract):	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	80,	263-271.
99-0593	Miyake, Y.,	1985,	MORB-like tholeiites formed within the Miocene forarc basin, Southwest Japan:	Lithos,	18,	23-24.
99-0618	Tada, T.,	1985,	Spreading of the Okinawa Trough and its relation to the crustal deformation in the Kyushu (2) (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	38,	1-12.
99-0627	Yamasaki, F. and Ooida, T.,	1985,	Configuration of subducted Philippine Sea Plate beneath the Chubu district, Central Japan (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	38,	193-201.
99-0628	Okano, K., Kimura, S., Konomi, T. and Nakamura, M.,	1985,	The focal distribution of earthquakes in Shikoku and its surrounding region (In Japanese, with English abstract):	J. Seismil. Soc. Japan,	38,	93-103.
99-0631	Ui, T. and Sato, H.,	1985,	Arc volcanism and genesis of andesite magma in Japan (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	25,	193-204.
99-0638	Takahashi, M.,	1985,	A proposal and development of granitoid series concept (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	25,	225-244.
99-0740	Kurasawa, H. and Ishikawa, H.,	1985,	Chemical compositions and strontium isotopic ratios of the Tertiary volcanic rocks from southern Kanto, central Japan (In Japanese, with English abstract):	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	80,	437-450.
99-0747	Kurasawa, H.,	1985,	Strontium isotopic composition of the volcanic rocks from Unzen, Tara and Kumamoto-Kimpo area in Kyushu, Southwest Japan (In Japanese, with English abstract):	Bull. volcanol. Soc. Japan,	30,	273-286.
99-0871	Kamata, H.,	1985,	stratigraphy and eruption age of the volcanic rocks in the west of MiyanoHaru area, Kumamoto Prefecture - Age and distribution of the volcanic activity of central-north Kyushu, Japan (In Japanese, with English abstract):	Jour. Geol. Soc. Japan,	91,	289-303.
99-0891	Hase, Y. and Danhara, T.,	1985,	Radiometric ages of the volcanic rocks of the Late Cenozoic in Southern Kyushu, Japan (in Japanese, with English abstract):	地球科学	39,	136-155.
99-0898	通商産業省資源エネルギー庁	1985,	昭和59年度広域調査報告書南薩地域			180 p
99-0913	Miyamachi, M. and Ohta, K.,	1985,	Zircon fission-track ages of Unzen Volcanic rocks, Northwest Kyushu, Japan (In Japanese, with English abstract):	九大理島原地震火山研研報,	13,	45-50.
99-0953	Mora, C.I. and Valley, J.W.,	1985,	Ternary feldspar thermometry in granulites from the Oaxacan Complex, Mexico:	Contrib. Mineral. Petrol.,	89,	215-225.
99-1021	Leeman, W.P., Menzies, M.A., Matty, D.J. and Embree, G.F.,	1985,	Strontium, neodymium and lead isotopic compositions of deep crustal xenoliths from the Snake River Plain: evidence for Archean basement:	Earth Planet. Sci. Lett.,	75,	354-368.
99-1039	Kanisawa, S.,	1985,	The Medeshima pumice and lithic fragments around Sendai Area: estimation of source vent and existence of extremely low K tonalites:	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	80,	352-362.
99-1084	Asano, S., Wada, K., Yoshii, T., Hayakawa, M., Misawa, Y., Moriya, T., Kanazawa, T., Murakami, H., Suzuki, F., Kubota, R. and Suyehiro, K.,	1985,	Crustal structure in the northern part of the Philippine Sea plate as derived from seismic observations of Hatoyama-Off Izu Peninsula explosions:	J. Phys. Earth,	33,	173-189.
99-1119	Otofujii, Y., Hayashida, A. and Torii, M.,	1985,	When was the Japan Sea opened?: paleomagnetic evidence from southwest Japan:	In Nasu et al. edited, Formation of active ocean margins	TERPUB, Tokyo,	551-566.
99-1300	Hashida, T. and Shiamzaki, K.,	1985,	Seismic tomography: 3-D images of upper mantle attenuation beneath the Kanto district, Japan:	Earth Planet. Sci. Lett.,	75,	403-409.
99-1348	Notsu, K.,	1985,	地殻・マントルの地球化学:	地球化学,	19,	71 - 84.
99-1350	Notsu, K., Kita, I. and Yamaguchi, T.,	1985,	Mantle contamination under Akagi volcano, Japan, as inferred from combined Sr-O isotope relationships:	Geophys. Res. Lett.,	12,	365-368.
99-1435	Angell, J.K. and Korshover, J.,	1985,	Surface temperature Changes following the six major volcanic episodes between 1780 and 1980.	J. Climate Applied Meteorology,	24,	937-951.
12-101	S. Mahlburg Kay, R. W. Kay	1985,	Role of crystal cumulates and he oceanic crust in the formation of the lower crust of the Aleutian arc.	Geology,	13,	461-464.
12-151	PETER B. KELEMEN	1985,	ASSIMILATION OF ULTRAMAFIC ROCK IN SUBDUCTION-RELATED MAGMATIC ARCS	Jour. Petrol.,	94,	829-843.
12-201	Dan McKenzie,	1985,	The extraction of magma from the crust and mantle.	Earth and Planetary Science Letters,	74,	81-91.

(Marine volcanology, Kumamoto Univ.)

- 12-318 Stephen G. Wells, John C. Dohrenwend, Leslie D. MaFadden, Brent D. Turrin, Kenneth D. Mahrer, 1985, Late Cenozoic landscape evolution on lava flow surfaces of the Cima volcanic field, Mojave Desert, California. Geological Society of America Bulletin 96, 1518-1529.
- 12-423 DONALD J. D. r: PAOLO 1985, Isotopic studies of processes in mafic magma chambers: I. The Kiglapait intrusion, Labrador. Journal of Petrology, 26, 925-951.
- 12-438 Susumrn UMINO, 1985, Volcanic geology of Chichijima, the Bonin Islands (Ogasawara Islands). Journal of the geological society of Japan, 91, 505-523.
- 12-460 Daniel L. Carey and David C. Roy 1985, Deposition of Laminated shale: A field and experimental study. Geo-Marine Letters, 5, 3-9.
- 12-507 Kate Kranck and T. G. Milligan 1985, Origin of grain size spectra of suspension deposited sediment. Geo-Marine Letters, 5, 61-66.
- 12-b047 A.B. Watts, D.P. McKenzie, B.E. Parsons, M. Roufosse, 1985, The relationship between gravity and bathymetry in the Pacific Ocean. Geophys. J. R. astr. Soc., 83, 263-298.
- 15-150 Masaaki Kimura 1985, Back-arc rifting in the Okinawa Trough Marine and Petroleum 2, 222-240.
- 99S-168 Berndt, M. and Seyfried, W. E., 1984?, 30. B, Li, and associated trace element chemistry of alteration minerals, holes 597B and 597C1 ? ? 491-497.
- 12-437 守屋以智雄、 1984、ステレオ・ランドサット(10)、ニュージージーランド北島タウボ火山帯。地理、 29、 97-101.
- 00-0058 Siebert, L., 1984, Large volcanic debris avalanches: characteristics of source areas, deposits and associated eruptions J. Volcan. Geotherm. Res., 22, 163-197.
- 00-0234 Kline, G. deV. And Lee, Y. I., 1984, A preliminary assessment of geodynamic controls on depositional systems and sandstone diagenesis in back-arc basins, western Pacific Ocean. Tectonophysics, 102, 119-152.
- 02-0040 Wörner, G., Schminck, H.-U., 1984, Mineralogical and chemical zonation of the Laacher See tephra sequence (East Eifel, W. Germany). J. Petrology, 25, 805-835.
- 02-0047 Wörner, G., Schminck, H.-U., 1984, Petrogenesis of the zoned Laacher See tephra. J. Petrology, 25, 836-851.
- 03-0079 Moore, J.G., and Moore, G.W., 1984, Deposit from a giant wave on the island of Lanai, Hawaii. Sci., 226, 1312-1317.
- 05-022 Aramaki, S., 1984, Formation of the Aira Caldera, Southern Kyushu, ~22,000 years ago. J. Geophys. Res., 89, 8485-8491.
- 05-075 Blake, S., 1984, Volatile oversaturation during the evolution of silicic magma chambers as an eruption trigger. J. Geophys. Res., 89, 8237-8244.
- 06-1058 Devine, J.D., Sigurdsson, H., Davis, A.N., 1984, Estimates of sulfur and chlorine yield to the atmosphere from volcanic eruptions and potential climatic effects. J. Geophys. Res., 89, 6309-6325.
- 06-1113 Mukaiyama, H., Nakamura, M., Inoue, M., Kimura, T., 1984, Fractures related to the post-Pliocene volcanism with pyroclastic flows in Japan (in Japanese). 火山, 29, 45-56.
- 06-156 Spear, F.S., Kimball, K.L., 1984, Recamp: A fortran IV program for estimating Fe<sup>3+</sup> contents in amphiboles. Computers and Geol., 10, 317-325.
- 06-3079 Wohletz, K.H., McQueen, R.G., 1984, Volcanic and stratospheric dustlike particles produced by experimental water-melt interactions. Geol., 12, 591-594.
- 06-3081 Self, S., Rampino, M.R., Newton, M.S., Wolff, J.A., 1984, Volcanological study of the great Tambora eruption of 1815. Geol., 12, 659-663.
- 06-3095 Ogasawara, T., Hirano, T., 1984, Changes in osmotic water permeability of the eel gills during seawater and freshwater adaptation. J. Comp. Physiol. B, 154, 3-11.
- 06-3104 Stern, R.J., Bibee, L.D., 1984, Esmeralda Bank: Geochemistry of an active submarine volcano in the Mariana Island Arc. Contrib. Min. Petrol. 86, 159-169.
- 07-095F Briquieu, L., Bougault, H., Joron, J.L., 1984, Quantification of Nb, Ta, Ti and V anomalies in magmas associated with subduction zones: petrogenetic implications. Earth Planet. Sci. Lett. 68, 297-308.
- 07-1000 Dupuy, C., Dostal, J., 1984, Trace element geochemistry of some continental tholeiites. Earth Planet. Sci. Lett. 67, 61-69.
- 07-118 Roedder, E., 1984, Fluid inclusions. Reviews in mineralogy, 12, ??-??
- 07-121F Carlson, R.W., 1984, Isotopic constraints on Columbia River flood basalt genesis and the nature of the subcontinental mantle. Geochim. Cosmochim. Acta., 48, 2357-2372.
- 07-123s Merzbacher, C., Eggler, D.H., 1984, A magmatic geothermometer: Application to Mount St. Helens and other dacitic magmas. Geol., 12, 587-590.
- 07-1500 Herzberg, C.T., 1984, Chemical stratification in the silicate Earth. Earth Planet. Sci. Lett. 67, 249-260.
- 08-158 向山広, 中村真人, 井上雅弘, 木村強, 1984, 火砕流を伴う火山活動と断裂. 火山 第2集, 29, 45-56.
- 08-194 Zen, E.-A., Hammarstrom, J.M., 1984, Magmatic epidote and its petrologic significance. Geology, 12, 515-518.
- 08-223 Sneeringer, M., Hart, S.R., Shimizu, N., 1984, Strontium and samarium diffusion in diopside. Geochim et Cosmochim Acta, 48, 1589-1608.
- 08-233 Patchett, P.J., White, W.M., Feldmann, H., Kielinczuk, S., Hofmann, A.W., 1984, Hafnium/rare earth element fractionation in the sedimentary system and crustal recycling into the Earth's mantle. Earth Planet. Sci. Lett., 69, 365-378.
- 08-270 Wyllie, P.J., 1984, Constraints imposed by experimental petrology on possible and impossible magma sources and products. Phil. Trans. R. Soc. Lond., A 310, 439-456.
- 08-278 Weaver, B.L., Tarney, J., 1984, Continental distribution as a forcing factor for global-scale temperature. Nature, 310, 574-577.
- 08-348 Sen, G., Presnall, D.C., 1984, Liquidus phase relationships on the join anorthite-forsterite-quartz at 10 kbar with applications to basalt petrogenesis. Contrib. Min. Petrol., 85, 404-408.
- 08-357 Pearce, J.A., Harris, N.B.W., Tindle, A.D., 1984, Trace element discrimination diagrams for the tectonic interpretation of granitic rocks. Jour. Petrology, 25, 956-983.
- 08-383 White, W.M., Patchett, J., 1984, Hf-Nd-Sr isotopes and incompatible element abundances in island arcs: implications for magma origins and crust-mantle evolution. Earth Planet. Sci., Lett., 67, 167-185.
- 08-385 White, W.M., Patchett, J., 1984, Hf-Nd-Sr isotopes and incompatible element abundances in island arcs: implications for magma origins and crust-mantle evolution. Earth Planet. Sci., Lett., 67, 167-185.
- 08-424 Sun, S.-S., 1984, Geochemical characteristics of Archaean ultramafic and mafic volcanic rocks: implications for mantle composition and evolution. Archaen Geochemistry. (ed. A. Kroner et al.) Springer-Verlag Berlin Heidelberg, 25-46.
- 08-427 Sun, S.-S., 1984, Geochemical characteristics of Archaean ultramafic and mafic volcanic rocks: implications for mantle composition and evolution. Archaen Geochemistry. (ed. A. Kroner et al.) Springer-Verlag Berlin Heidelberg, 25-46.
- 08-428 Sun, S.-S., 1984, Some geochemical constraints on mantle evolution models. Proceedings of the 27th international Geol., 9, 475-508.
- 09-056 塩野清治 1984, 9. フィリピン海島弧系 II. アジアの変動帯—ヒマラヤと日本海溝の間—(編 藤田和 海文堂, 東京, 179-191.
- 10-029 Raymond, L.A., 1984, Classification of melanges. Geol. Soc. Amer. Sec. 198, 7-20.

10-090	Raymond, L.A., Terranova, T.,	1984,	Prologue The melange problem--a review.	Geol. Soc. Amer spec.	198,	1-5.
10-343	Masao Takai, Mutsumi Miyachi Isamu Hirano	1984,	Paleomagnetism and fission-track ages of Kimbo volcano, southwest Japan.	Rock magnetism and Paleogeophys.,	11,	21-25.
99S-126	Frey, F. A., Gerlach, D. C., Hickey, R. L., Escobar, L. L. and Villavicencio, F. M.,	1984,	Petrogenesis of the Laguna del Maule volcanic complex, Chile (36°S)	Contrib. Mineral. Petrol.,	88,	133-149.
99S-141	Jackson, I. and Arculus, R. J.,	1984,	Laboratory wave velocity measurements on lower crustal xenoliths from Calcutteroo, South Australia:	Tectonophys.,	101,	185-197.
99Y-35	Pearce, J. A., Harris, N. B. W. and Tindle, A. G.,	1984,	Trace element discrimination diagrams for the tectonic interpretation of granitic rocks:	J. Petrol.,	25,	956-983.
99-0085	Aramaki, S.,	1984,	Formation of the Aira caldera, southern Kyushu, ~22,000 years ago:	J. Geophys. Res.,	89,	8485 -
99-0103	Hickey, R.L., Gerlach, D.C. and Frey, F.A.,	1984,	Geochemical variations in volcanic rocks from Central-south Chile:	R.S. Harmon and B.A. Shiva Barreiro (editors), Andean magmatism: chemical and isotopic constraints,		72-95.
99-0371	Sakuyama, M.,	1984,	Magma mixing and magma plumbing systems in island arcs:	Bull. volcanol.,	47,	685-703.
99-0388	Hamelin, B., Dupré, B. and Allègre, C.J.,	1984,	The lead isotope systematics of ophiolite complexes:	Earth Planet. Sci. Lett.,	67,	351-366.
99-0503	Furuta, T., Otsuki, M. and Akimoto, T.,	1984,	Quantitative electron probe microanalysis of Oxygen- Ti-Fe oxides and other minerals:	Bull. volcanol. Soc. Japan,	29,	267-276.
99-0505	Crisp, J.A.,	1984,	Rates of magma emplacement and volcanic output:	J. Volcanol. Geotherm.	20,	177-211.
99-0592	Terakado, Y. and Nakamura, N.,	1984,	Nd and Sr isotopic variations in acidic rocks from Japan: significance of upper-mantle heterogeneity:	Contrib. Mineral. Petrol.,	87,	407-417.
99-0598	Nakada, S. and Okamoto, Y.,	1984,	Petrogenetic model of I- and S-type felsic magmas in the Outer Zone Sw Japan, in terms of Sr isotopic compositions (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	24,	187-198.
99-0695	Matsumoto, Y.,	1984,	Characteristics of the late Cenozoic volcanism in northern and central Kyushu, Japan with special reference to the relation between the depression structure of graben and its volcanism (In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	24,	199-212.
99-0741	Kurasawa, H.,	1984,	Strontium isotopic cosequence of the volcanic rocks from Fuji, Hakone and Izu areas (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	35,	637-659.
99-0745	Kurasawa, H.,	1984,	Strontium isotopic ratios of the volcanic rocks from Dogo of the Oki Islands, Japan (In Japanese, with English abstract):	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	79,	484-497.
99-0746	Kurasawa, H.,	1984,	Strontium isotopic ratios of the volcanic rocks in the western part of the San-in region and the surrounding area, Southwest Japan (In Japanese, with English abstract):	Bull. volcanol. Soc. Japan,	29,	215-234.
99-0834	Takai, M., Miyamachi, M. and Hirano, I.,	1984,	Paleomagnetism and fission-track ages of Kimbo volcano, southwest Japan:	Rock Magnetism and Paleogeophys.,	10,	21-25.
99-0844	Kurasawa, H., Arai, F. and Machida, H.,	1984,	Strontium isotopic identification of the widespread Aira-Tn ash-fall deposits (At) in Japan (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	29,	115-118.
99-0877	Suzuki, K.,	1984,	Squeeze-out and associated structures of the Ata pyroclastic flow deposit, South Kyushu, Japan (In Japanese):	Bull. Volcanol., Soc. Japan,	29,	235-237.
99-0955	van Bergen, M.J. and Barton, M.,	1984,	Complex interaction of aluminous metasedimentary xenoliths and siliceous magma: an example from Mt. Amiata (Central Italy):	Contrib. Mineral. Petrol.,	86,	374-385.
99-0980	Sakuyama, M. and Koyaguchi, T.,	1984,	Magma mixing in mantle xenolith-bearing calc-alkalic ejecta, Ichinomegata volcano, Northeastern Japan:	J. Volcanol. Geotherm. Res.,	22,	199-224.
99-0994	Takamura, H.,	1984,	mantle ultramafic xenoliths in relation to the structure of the intersected part of two arcs in Southwest Honshu, Japan( In Japanese, with English abstract):	Mem. Geol. Soc. Japan,	24,	213-220.
99-0995	Ohira, K.,	1984,	Granulitic rock xenoliths in the Miocene andesite from the eastern part of Shodo-shima, Kagawa Prefecture (In Japanese, with English abstract):	J. Japan. Assoc. Min. Petr. Econ. Geol.,	79,	128-132.
99-0998	Ishizaka, K., Yanagi, T. and Murakami, N.,	1984,	Sr isotopic study of mafic inclusions from Uta-jima, Southwest Japan:	Geochem. J.,	18,	203-208.
99-1043	Fujimaki, H. and Tatsumoto, M.,	1984,	Lu-Hf constrains on the evolution of lunar basalts:	J. Geophys. Res.,	89,	B445-
99-1046	Fujimaki, H., Tatsumoto, M. and Aoki, K.,	1984,	Partition coefficients of Hf, Zr, and Re between phenocrysts and groundmass:	J. Geophys. Res.,	89,	B662-B672.
99-1076	Hasemi, A.H., Ishii, H. and Takagi, A.,	1984,	Fine structure beneath the Tohoku district, northeastern Japan arc, as derived by an inversion of P-wave arrival times from local earthquakes:	Tectonophys.,	101,	245-265.
99-1103	Hajash, Jr., A.,	1984,	Rare earth element abundances and distribution patterns in hydrothermally altered basalts: experimental results:	Contrib. Mineral. Petrol.,	85,	409-412.
99-1104	Möller, P. and Muecke, G.K.,	1984,	Significance of europium anomalies in silicate melts and crystal-melt equilibria: a re-evaluation:	Contrib. Mineral. Petrol.,	87,	242-250.
99-1106	Ottonello, G., Joron, J.L. and Piccardo, G.B.,	1984,	Rare earth and 3d transition element geochemistry of peridotitic rocks: II. Ligurian peridotite and associated basalts:	J. Petrol.,	25,	373-393.
99-1109	Ottonello, G., Ernst, W.G. and Joron, J.L.,	1984,	Rare earth and 3d transition element geochemistry of peridotitic rocks: I. peridotites from the Western Alps:	J. Petrol.,	25,	343-372.
99-1206	Kaneoka, I., Aramaki, S., Kobayashi, T. and Oki, K.,	1984,	Pliocene and Pleistocene volcanism in southern Kyushu: K-Ar ages of Fumoto and Isaku pyroclastic flows and related rocks:	Bull. Volcanol. Soc. Japan,	29,	59-62.
99-1263	Stern, R.J., Smoot, N.C. and Rubin, M.,	1984,	Unzipping of the volcano arc, Japan:	Tectonophys.,	102,	153-174.
99-1307	Yoshida, T. and Aoki, K.,	1984,	Geochemistry of major and trace elements in the Quaternary volcanic rocks from northeast Honshu, Japan:	Sci. Rep. Tohoku Univ., Ser. III,	16,	1-34.
99-1362	Nohda, S.,	1984,	Classification of island arcs by Nd-Sr isotopic data:	Geochem. J.,	18,	1-9.
99-1371	Nedachi, M., Kanisawa, S. and Yamamoto, M.,	1984,	chlorine and fluorine contents of the Neogene granitic rocks in Kyushu, Japan:	Mining Geol.,	34,	437-446.
99-1375	Harris, D.V. and Anderson, Jr. A.T.,	1984,	Volatiles H <sub>2</sub> O, CO <sub>2</sub> , and Cl in a subduction related basalt:	Contrib. Mineral. Petrol.,	87,	120-128.

- 99-1458 Devine, J.D., Sigurdsson, H. and Davis, A.N., 1984, Estimates of sulfur and chlorine yield to the atmosp
- 12-143 S. M. McLENNAN and S. R. TAYLOR 1984, Archaeal Sedimentary Rocks and Their Relation to the Composition of the Archaeal Continental Crust. Archaeal Springer-Verlag Berlin Heidelberg (ed. by A. Kroner et al.) 48-68
- 12-146 DAN McKENZIE 1984, The Generation and Compaction of Partially Molten rock. Jour. Petrol., 25, 713-765.
- 12-182 Wilhelm Johannes 1984, Beginning of melting in the granite system Qz-Or-Ab-An-H<sub>2</sub>O. Contrib Mineral Petrol 86, 264-273.
- 12-212 Stanley R. Hart 1984, A large-scale isotope anomaly in the Southern Hemisphere mantle. Nature, 309, 753-757.
- 12-315 SHIGEO ARAMAKI 1984, Formation of the Aira Caldera, Southern Kyushu, ~22,000 Years Ago JOURNAL OF GEOPHYSICAL RESEARCH 89, 8485-8501.
- 12-379 Shuichiro Koga 1984, Geology and petrology of Akagi volcano, Gunma Prefecture, Japan. Sci. Rep. Inst. Geosci., Univ. Tsukuba Sec. B, 5, 1-67.
- 12-b020 C. A. Woo 1984, Calderas: A planetary perspective. Journal of Geophysical Research, 89, 8391-8406.
- 12-333 早川由紀夫、 1983、 草津白根火山の地質 地質学雑誌, 89, 511-
- 12-339 荒巻重雄、 1983、 日本のカルデラの成因に関するいくつかの問題。 鉱山地質特別号、 11、 139-
- 12-571 M. MARUYAMA and T. SHICHIRI 1983, INFLUENCE OF DIFFUSION ON THE MORPHOLOGY OF NaCl CRYSTALS GROWN FROM THE VAPOR PHASE. Journal of Crystal Growth 62, 401-408.
- 12-b045 松本英二、 1983、 東京湾の底質環境。 地球化学、 17、 27-32.
- 00-0071 Ui, T., 1983, Volcanic dry avalanche deposits-identification and comparison with nonvolcanic debris stream deposits J. Volcan. Geotherm. Res., 18, 135-150.
- 00-0073 Ui, T., 1983, volcanic dry avalanche deposit in 1980 eruption of Mt. St. Helens, U.S.A. Bull. Volc. Soc.Jp. 28, 289-299.
- 00-0078 Macdonald, G.A., Abbott, A.T., and Peterson, F.L., 1983, Volcanoes in the Sea second edition University of Hawaii Press, Honolulu 517p
- 00-0228 Cas, R.A.F., 1983, Submarine 'crystal tuffs': their origin using a Lower Devonian example from southeastern Australia. Geol. Mag., 120, 471-486.
- 02-0095 Yamagishi, H., 1983, Surface structures on pillow lobes. Volc. Soc. Jap. 28, 233-243.
- 03-0067 Newhall, C.G., and Melson, W.G., 1983, Explosive activity associated with the growth of volcanic domes. J. Volcanol. Geotherm. Res. Englewood Cliffs, N.J. Prentice-Hall 669 pp.
- 04-031 Richard A D., 1983, Depositional systems: a genetic approach to sedimentary geology
- 05-016 Self, S., 1983, Large-scale phreatomagmatic silicic volcanism: A case study from New Zealand. J. Volcanol. Geotherm. Res., 17, 433-469.
- 05-067 Mandelbrot, B.B., 1983, The fractal geometry of nature. W.H. Freeman and New York, 480 pp.
- 05-074 Maruyama, M., and Shichiri, T., 1983, Influence of diffusion on the morphology of NaCl crystals grown from the vapor phase. J. Crystal Growth, 62, 401-408.
- 06-1109 Ida Y., 1983, Convection in the mantle wedge above the slab and tectonic processes in subductin zones. J. Geophys. Res., 88, 7449-7456.
- 06-152 Mullen, E.D., 1983, MnO/TiO<sub>2</sub>/P<sub>2</sub>O<sub>5</sub>: a minor element discriminant for basaltic rocks of oceanic environments and its implications for petrogenesis. Earth Planet Sci. Lett., 62, 53-62.
- 06-2016 Taylor, B., and Karner, G.D., 1983, On the evolution of marginal basins Rev. Geophys. Space 21, 1727-
- 06-3044 Sheridan, M.F., Marshall, J.R., 1983, Interpretation of pyroclast surface features using SEM images J. Volcanol. Geotherm. Res. 16, 153-159.
- 06-3046 Self, S., 1983, Large-scale phreatomagmatic silicic volcanism: a case study from New Zealand. J. Volcanol. Geotherm. Res. 17, 433-469.
- 06-3047 Sheridan, M.F., Wohletz, K.H., 1983, Hydrovolcanism: basic considerations and review. J. Volcanol. Geotherm. Res. 17, 1-29.
- 06-3048 Wohletz, K.H., 1983, Mechanisms of hydrovolcanic pyroclast formation: grain-size, scanning electron microscopy, and experimental studies. J. Volcanol. Geotherm. Res. 17, 31-63.
- 06-3063 Wohletz, K.H., Sheridan, M.F., 1983, Hydrovolcanic explosions II. Evolution of basaltic tuff rings and tuff cones. Am. J. Sci., 283, 385-413.
- 06-3078 Self, S., Wright, J.V., 1983, Large wave forms from the Fish Canyon Tuff, Colorado. Geol., 11, 443-446.
- 07-047 松本健夫、 1983、 琉球列島における新生代火山活動。 地質学論集, 22, 81-91.
- 07-048 中川久夫、 1983、 琉球列島新生代地史の概要。 地質学論集, 22, 67-79.
- 07-111s Hawkesworth, C. J., Erlank, A. J., Marsh, J. S., Menzies, M. A. and van Calsteren, P. W. C. 1983, Evolution of the continental lithosphere: evidence from volcanics and xenoliths in Southern Africa. In: Hawkesworth, C. J. and Norry, M. J. (Eds), Continental Basalts and Mantle Xenoliths Shiva 111-138.
- 07-119s Feigenson, M.D., Hofmann, A.W., Spera, F.J., 1983, Case studies on the origin of basalt. II. The transition from tholeiitic to alkalic volcanism on Kohala volcano, Hawaii. Contrib., Mineral., Petrol., 84, 390-405.
- 07-127s Henderson, C.M.B., Gibb, F.G.F., 1983, Felsic mineral crystallization trends in differentiating alkaline basic magmas. Contrib., Mineral., Petrol., 84, 355-364.
- 07-141F Arculus, R.J., Johnson, R.W., Chappell, B.W., McKee, C.O., Sakai, E., 1983, Ophiolite-contaminated andesites, trachybasalts, and cognate inclusions of mount lamington, Papua New Guinea: anhydrite-amphibole-bearing lavas and the 1951 cumuldome. J. Volcanol. Geother. Res., 18, 215-247.
- 07-155F Ernst, W.G., 1983, Phanerozoic continental accretion and the metamorphic evolution of northern and central California. Tectonophysics, 100, 287-320.
- 07-167 Dupre, B., Allegre, C.J., 1983, Pb-Sr isotope variation in Indian Ocean basalts and mixing phenomena. Nat., 303, 142-146.
- 07-169F Herzberg, C.T., 1983, The reaction forsterite+cordierite=aluminous orthopyroxene+spinel in the system MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>. Contrib., Mineral., Petrol., 84, 84-90.
- 07-173 Carlson, R.W., Lugmair, G.W., Macdougall, J.D., 1983, "Columbia river volcanism: the question of mantle heterogeneity or crustal contamination" (reply to a comment by D.J. DePaolo). Geochim. Cosmochim. Acta., 47, 845-846.
- 07-175F Herzberg, C.T., Fyfe, W.S., Carr, M.J., 1983, Density constraints on the formation of the cotinental Moho and crust. Contrib., Mineral., Petrol., 84, 1-5.
- 07-215 平沢晃一、松本輔朗 1983、 鹿児島県トカラ列島諏訪之瀬島の火山地質。 火山, 28, 101-115.
- 08-014 地学団体研究会 1983、 堆積物の研究法, 地学双書, 24, 377 p
- 08-117 Menzies, M.A., Leeman, W.P., Hawkesworth, C.J., 1983, Isotope geochemistry of Cenozoic volcanic rocks reveals mantle heterogeneity below weatern USA reveals mantle heterogeneity below weatern USA. Nature, 303, 205-
- 08-157 向山広、中村真人、井上雅弘、木村強、 1983、 東北日本におけるブロック運動と鮮新世以降の火山活動。 火山 第2集, 28, 395-

08-180	White, A.J.R., Chappell, B.W.,	1983,	granitoid types and their distribution in the Lachlan fold belt, southeastern Australia.	Geol. Soc. Amer. Memor.,	159,	21-34.
08-294	O'Hara, M.J.,	1983,	Importance of the 'shape' of the melting regime during partial melting of the mantle.	Nature,	314,	58-62.
08-309	Greenberg, R.R., Kingston, H.M.,	1983,	Trace element analysis of natural water samples by neutron activation analysis with chelating resin.	Anal. Chem.,	55,	1160-1165.
08-318	Schilling, J-G., Zajac, M., Evans, R., Johnson, T., White, W., Devine, J.D., Kingsley, R.,	1983,	Petrologic and geochemical variations along the mid-Atlantic ridge from 29°N to 73°N.	Amer. Jour. Sci.,	283,	510-586.
08-356	Pearce, J.A.,	1983,	Role of sub-continental lithosphere in magma genesis at active continental margins.	In: C.J. Hawkesworth and M.J. Norry, Editors, Continental Basalts and Mantle Xenoliths	Shiva publishing, Cambridge, MA, USA,	230-249.
08-413	Hsui, A.T., Marsh, B.D., Toksoz, M.N.,	1983,	On melting of the subducted oceanic crust: effects of subduction induced mantle flow.	Tectonophysics,	99,	207-220.
08-432	Tatsumi, Y.,	1983,	Generation of Arc basalt magmas and thermal structure of the mantle wedge in subduction zones.	Jour. Geophys. Res.,	88,	5815-5825.
08-440	Tatsumi, Y.,	1983,	Generation of Arc basalt magmas and thermal structure of the mantle wedge in subduction zones.	Jour. Geophys. Res.,	88,	5815-5825.
09-119	木村政昭, 古川雅英, 北沢久和,	1983,	フィリピン海の西北縁—琉球海溝—.	海洋科学,	15,	453-
09-120	上田誠也,	1983,	背弧海盆の熱水鉱床.	月刊海洋科学	15,	554-561.
10-097	水野篤行 編	1983,	熱水鉱床(その1)	月刊 海洋科学,	159,	502-
10-098	水野篤行 編	1983,	熱水鉱床(その2)	月刊 海洋科学,	160,	566-631.
10-104	志岐常正 編	1983,	フィリピン海 その構造と動態.	月刊 海洋科学,	158,	446-
10-119	Carrigan, C.R.,	1983,	A heat pipe model for vertical, magma-filled conduits.	Journal of volcanology and Geothermal research,	16,	279-298.
10-124	海洋出版	1983,	マンガンジュールの成因.	月刊 海洋科学,	157,	382-
10-218	Bloomer, S.H.,	1983,	Distribution and Origin of igneous rocks from the landward slopes of the Mariana Trench: implications for its structure and evolution.	Journal of Geophysical Research,	88,	7411-7428.
10-326	平沢晃一, 松本幡朗,	1983,	鹿児島県トカラ列島諏訪瀬島の火山地質.	火山, 第2集,	28,	101-
99S-175	McCulloch, M. T. and Cameron, W. E.,	1983,	Nd-Sr isotopic study of primitive lavas from the Troodos ophiolites, Cyprus: Evidence for a subduction-related setting.	Geology,	11,	727-731.
99Y-56	Stormer, Jr., J. C.,	1983,	The effects of recalculation on estimates of temperature and oxygen fugacity from analyses of multicomponent iron-titanium oxides.	American Mineralogist.,	68,	586-594.
99Y-60	Ferry, J. M.,	1983,	Mineral reactions and element migration during metamorphism of calcareous sediments from the Vassalboro Formation, south-central Maine.	American Mineralogist.,	68,	334-354.
99-0204	Weaver, B.L. and Tarney, J.,	1983,	Major and trace element composition of the continental lithosphere.	Phys. Chem. Earth,	15,	39-68.
99-0258	黒田吉益, 鈴置哲郎, 松尾貞士	1983,	岩石・鉱物中の水素同位対比.	月刊 地球,	5,	593-599.
99-0276	Uto, K.,	1983,	伊豆・小笠原弧の第四紀火山岩	月刊 地球,	5,	464-468
99-0285	Tanaka, T.	1983,	新しい地球科学指標,	月刊 地球,	5,	572-576.
99-0286	Ishizaka, K. and Carlson, R.W.,	1983,	Nd-Sr systematics of the Setouchi volcanic rocks, Southwest Japan: a clue to the origin of orogenic andesite.	Earth Planet. Sci. Lett.,	64,	327-340.
99-0365	Ozawa, K.,	1983,	Evaluation of olivine-spinel geothermometry as an indicator of thermal history for peridotites.	Contrib. Mineral. Petrol.,	82,	52-65.
99-0402	Kobayashi, K.	1983,	フィリピン海の海底地学.	地質学論集,	22,	159-165.
99-0403	Kizaki, K.,	1983,	まえがき, 琉球列島の地史.	地質学論集,	22,	1-2.
99-0413	Kato, Y.,	1983,	Quaternary volcanic activities in the Ryukyu island: with special reference to the central and south Ryukyus ( In Japanese).	地質学論集,	22,	93-94.
99-0455	Reid, F.W. and Cole, J.W.,	1983,	Origin of dacites of Taupo volcanic zone, New Zealand.	J. Volcanol. Geotherm.	18,	191-214.
99-0528	Honza, E	1983,	Evolution of arc volcanism related to marginal sea spreading and subduction at trench.	In D. Shimozuru and I. Yokoyama (eds), Arc Volcanism: Physics and Tectonics.	TERRAPUB, Tokyo	177-189.
99-0563	Ida, Y.,	1983,	Thermal and mechanical processes producing arc volcanism and back-arc spreading.	In D. Shimozuru and I. Yokoyama (eds), Arc Volcanism: Physics and Tectonics.	TERRAPUB, Tokyo	165-175.
99-0564	Kobayashi, K.,	1983,	Fore-arc volcanism and cycles of subduction.	In D. Shimozuru and I. Yokoyama (eds), Arc Volcanism: Physics and Tectonics.	TERRAPUB, Tokyo	153-163.
99-0610	Taylor, B. and Karner, G.D.,	1983,	On the evolution of marginal basins.	Reviews of geophysics and space physics	21,	1721-1741.
99-0636	Sato, T. and Ishihara, S.,	1983,	Comparative studies on major element chemistry of granitoids from the Outer Zone of southwest Japan and Hidaka Belt of Hokkaido (In Japanese, with English abstract).	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	78,	324-336.
99-0663	Nakada, S.,	1983,	Zoned magma chamber of the Osuzuyama acid rocks, Southwest Japan.	J. Petrol.,	24,	471-494.
99-0693	Matsumoto, Y.,	1983,	The Cenozoic volcanism in Ryukyu Islands, Japan (In Japanese, with English abstract).	Mem. Geol. Soc. Japan,	22,	81-91.
99-0739	Matsuhisa, Y. and Kurasawa, H.,	1983,	Oxygen and strontium isotopic characteristics of calc-alkalic volcanic rocks from the central and western Japan arcs: evaluation of contribution of crustal components to the magmas.	J. Volcanol. Geotherm. Res.,	18,	483-510.
99-0770	Yamasaki, T.,	1983,	Geotectonics of some geothermal fields associated with the Quaternary volcanic zone.	九大生産研報,	74,	55-76.
99-0780	Kimura, M.,	1983,	Formation of Okinawa Trough grabens (In Japanese, with English abstract).	Mem. Geol. Soc. Japan,	22,	141-157.

99-0786	Kimura, M., Yusa, Y., Moriyama, Z. and Kato, T.,	1983,	Discovery of a central graben beneath Beppu Bay and consideration for the sunken island, "Uryu-jima" (In Japanese,with English abstract):	日本地質学会西日本支部第100回例会記念シンポジウム論文集 Bull. Volcanol., Soc. Japan, 28,	101-108.
99-0868	Kobayashi, T., Hayakawa, Y. and Aramaki, S.,	1983,	Thickness and grain-size distribution of the Osumi pumice fall deposit from the Aira Caldera:	Bull. Volcanol., Soc. Japan, 28,	129-139.
99-0880	Sakaguchi, K. and Ui, T.,	1983,	Capture of lithic fragments during flowage of a pyroclastic flow--A case study in the Tashiro pyroclastic flow, southern Kyushu (In Japanese):	Bull. Volcanol., Soc. Japan, 28,	317-320.
99-0904	Meijer, A.,	1983,	The origin of low-L rhyolites from the Mariana frontal arc:	Contrib. Mineral. Petrol. 83,	45-51.
99-0932	Aramaki, S. and Ui, T.,	1983,	Alkali mapping of the Japanese Quaternary volcanic rocks:	J. Volcanol. Geotherm. 18,	549-560.
99-0934	Sato, J., Nakamura, T. and Takahashi, H.,	1983,	Stratigraphic distribution of Iron and some minor elements in the "B scoria fall deposit" of Asama Volcano (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan, 28,	1-9.
99-0939	Ui, T. and Aramaki, S.,	1983,	Volcanic dry avalanche deposit in 1990 eruption of Mt. St. Helens, U.S.A. (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan, 28,	289-299.
99-1003	Arai, S. and Hirai, H.,	1983,	Petrological notes on deep-seated and related rocks (I) Mantle peridotites from Kurose and Noyamadake alkali basalts, southwestern Japan:	Ann. Rep., Inst. Geosci., Univ. Tsukuba, 9,	65-67.
99-1036	Smith, T.E., Huang, C.H., Walawender, M.J., Cheung, P. and Wheeler, C.,	1983,	The gabbroic rocks of the peninsula ranges batholith, southern California: cumulate rocks associated with calc-alkalic basalts and andesites:	J. Volcanol. Geotherm. Res., 18,	249-278.
99-1042	Gromet, L.P. and Silver, L.T.,	1983,	Rare earth element distributions among minerals in a granodiorite and their petrogenetic implications:	Geochim. Cosmochim. Acta, 47,	925-939.
99-1117	Jurdy, D.M. and Stefanick, M.,	1983,	Flow models for back-arc spreading:	Tectonophysics, 99,	191-206.
99-1216	Machida, H. and Arai, F.,	1983,	Late Pleistocene widespread tephra from Kikai caldera: new units and revision of age estimates on several large-scale pyroclastic flow deposits in Kyushu:	Bull. volcanol. Soc. Japan, 28,	206
99-1218	Machida, H. and Arai, F.,	1983,	Extensive ash falls in and around the Sea of Japan from large late Quaternary eruptions:	J. Volcanol. Geotherm. Res., 18,	151-164.
99-1309	Aramaki, S. and Ui, T.,	1983,	Alkali mapping of the Japanese quaternary volcanic rocks:	J. Volcanol. Geotherm. Res., 18,	549-560.
99-1339	Sakuyama, M.,	1983,	Petrology of arc volcanic rocks and their origin by mantle diapirs:	J. Volcanol. Geotherm. Res., 18,	297-320.
99-1349	Notsu, K., Isshiki, N. and Hirano, M.,	1983,	comprehensive strontium isotope study of Quaternary volcanic rocks from the Izu-Ogasawara arc:	Geochem. J., 17,	289-302.
99-1355	Notsu, K.,	1983,	サブダクションゾーンの同位対比マッピング:	月刊地球, 5,	492-
99-1356	Notsu, K.,	1983,	Strontium isotope composition in volcanic rocks from the Northeast Japan arc:	J. Volcanol. Geotherm. Res., 18,	531-548.
99-1388	Leeman, W.P.,	1983,	The influence of crustal structure in compositions of subduction-related magmas.	J. Volcanol. Geotherm. Res., 18,	561-588.
99-1410	Macdonald, A.P.,	1983,	Plate tectonics and origin of the islands	Volcanoes in the sea: the geology of Hawaii (second edition) University of Hawaii Press, Honolulu	338-344.
12-102	Scott M. McLennan & S. R. Taylor	1983,	Continental freeboard, sedimentation rates and growth of continental crust.	Nature, 306,	169-172.
12-127	DONALD H. LINDSLEY	1983,	Pyroxene thermometry.	American mineralogist. 68,	477-493.
12-184	W. Johannes,	1983,	On the origin of layered migmatites.	In: Atherton, M. P. and Gribble, C. D. (eds.), Migmatites, melting and metamorphism, Cheshire	, 234-248.
12-190	Ellen D. Mullen	1983,	MnO/TiO <sub>2</sub> /P <sub>2</sub> O <sub>5</sub> : a minor element discriminant for basaltic rocks of oceanic environments and its implications for petrogenesis.	Earth and Planetary Science Letters, 62,	53-64.
12-193	SCOTT M. MCLENNAN, S. R. TAYLOR and K. A. ERIKSSON	1983,	Geochemistry of Archean shales from the Pilbara Supergroup, Western Australia.	Geochimica et Cosmochimica Acta, 47,	1211-1222.
12-197	J. D. MORRIS and S. R. HART	1983,	Isotopic and incompatible element constraints on the genesis of island arc volcanics from Cold Bay and Amak Island, Aleutians, and implications for mantle structure.	Geochimica et Cosmochimica Acta, 47,	2015-2030.
12-202	Suzanne Mahlburg Kay, Robert W. Kay, Hannes K. Brueckner, and James L. Rubenstein	1983,	Tholeiitic Aleutian arc plutonism: The Finger bay pluton, Adak, Alaska.	Contrib Mineral Petrol 82,	99-116.
12-392	DONALD J. DEPAOLO	1983,	Comment on "Columbia River volcanism: the question of mantle heterogeneity or crustal contamination" by R. W. Carlson, G. W. Lugmair and J. D. Macdougall.	Geochimica et Cosmochimica Acta, 47,	841-844.
12-393	Chu-Yung Chen & Frederick A. Frey	1983,	Origin of Hawaiian tholeiite and alkalic basalt.	Nature, 302,	785-786.
12-431	A.W. Hofmann and M.D. Feigenson,	1983,	Case studies on the origin of basalt 1. Theory and reassessment of Grenada basalts.	Contrib Mineral Petrol 84,	382-389.
12-435	George P. L. Walker,	1983,	Ignimbrite types and ignimbrite problems.	Journal of volcanology and geothermal research, 17,	65-88.
16-176	JONATHAN H. FINK	1983,	Structure and emplacement of a rhyolitic obsidian flow: Little Glass Mountain, Medicine Lake Highland, northern California.	Geological Society of America Bulletin, 94,	362-380.
00-0113	Lowe, D.R.,	1982,	Sediment gravity flows: II. To the deposits of high-density turbidity currents.	J. Sed. Petrology, 52,	0279-0297.
00-0203	Saxov, S.,	1982,	Marine slides - some introductory remarks.	In: S. Saxov and J. K. Nieuwenhuis (Editors), Marine slides and other mass movements, Plenum Press, New York,	1-7.
02-0150	Clague, D.A.,	1982,	Petrology of tholeiitic basalt dredged from Hualalai volcano, Hawaii.	Eos, 63,	1138
03-0001	Sakai, H., Casadevall, T.J., and Moore, J.G.,	1982,	Chemistry and isotopic ratios of sulfur in basalts and volcanic gases at Kilauea Volcano, Hawaii.	Geochim. et Cosmochim. Acta., 46,	729-738.
03-0100	Lowe, D.R.,	1982,	Sediment gravity flows: II. Depositional models with special reference to the deposits of high-density turbidity currents.	J. Sed. Petrology., 52,	279-297.
03-0175	Clague, D.A., and Frey, F.A.,	1982,	Petrology and trace element geochemistry of the Honolulu volcanics, Oahu: implications for the Oceanic mantle below Hawaii.	J. Petrol., 23,	447-504.
06-1119	Aoki, K.-I., Fujimaki, H.,	1982,	Petrology and geochemistry of calc-alkaline andesite of presumed upper mantle origin from Itino-megata, Japan.	Amer. Mine. 67,	1-13.

- 07-030 加藤祐三, 1982, 琉球列島西表海底火山の位置と噴出量. 琉球列島の地質学研究, 6, 41-47.
- 07-117F Allegre, C., 1982, Chemical geodynamics. Tectonophysics, 81, 109-132.
- 07-117F Allegre, C.J., Dupre, B., Richard, P., Rousseau, D., 1982, Subcontinental versus suboceanic mantle. II. Nd-Sr-Pb isotopic comparison of continental tholeiites with mid-ocean ridge tholeiites, and the structure of the continental lithosphere. Earth Planet. Sci. Lett., 57, 22-34.
- 07-131s Hawkesworth, C.J., 1982, Isotope characteristics of magmas erupted along destructive plate margins. In Andesite. Edited by R.S. Thorpe, Jhon Wiley & Sons, 549-571.
- 07-132s Hawkesworth, C.J., Hammill, M., Gledhill, A.R., van Calsteren, P., Rogers, G., 1982, Isotope and trace element evidence for late-stage intra-crustal melting in the High Andes. Earth Planet. Sci. Lett., 58, 240-254.
- 07-135F Baker, P.E., 1982, Evolution and classification of orogenic volcanic rocks. In: R.S. Thorpe (ed.), Andesites, Jhon Wiley & Sons, 11-23.
- 07-159s Green, T.H., 1982, Anatexis of mafic crust and high pressure crystallization of andesite. In Andesite. Edited by R.S. Thorpe, Jhon Wiley & Sons, 465-487.
- 07-162F Ewart, A., 1982, The mineralogy and petrology of Tertiary-Recent orogenic volcanic rocks: with special reference to the andesitic-basaltic compositional range. In R.S. Thorpe(ed.), Andesites, Jhon Wiley & Sons, 25-95.
- 07-162s Green, T.H., 1982, Anatexis of mafic crust and high pressure crystallization of andesite. In Andesite. Edited by R.S. Thorpe, Jhon Wiley & Sons, 465-487.
- 07-233 海上保安庁, 1982, 沿岸の海の基本図: 薩摩硫黄島(海底地質構造図) 海洋情報研究センター 6351-4-S, CD-ROM
- 07-248 Emami, M.H., Michel, R., 1982, The domean volcanoes of Neogene age in the Qom Area (Central Iran) - an attempt of classifying domean volcanism. Bull. Volcanol., 45, 317-332.
- 08-189 鎌田浩毅, 村岡洋文, 1982, 大分県中部の火山岩類のK-Ar年代. 地質調査月報, 33, 561-577.
- 08-199 高井保明, 佐藤博之, 1982, 魚貫崎及び牛深地域の地質(久根地域の一部を含む) 地域地質研究報告, 5万分の一図幅, 鹿児島(15)第54・55号
- 08-201 indler, A., Jagoutz, E., Goldstein, S., 1982, Nd, Sr and Pb isotopic systematics in a three-component mantle: a new perspective. Nature, 298, 519-523.
- 08-206 Zhou, X., Armstrong, R.L., 1982, Cenozoic volcanic rocks of eastern China-- secular and geographic trends in chemistry and strontium isotopic composition. Earth Planet. Sci. Lett., 58, 301-329.
- 08-207 Zhou, X., Armstrong, R.L., 1982, Cenozoic volcanic rocks of eastern China-- secular and geographic trends in chemistry and strontium isotopic composition. Earth Planet. Sci. Lett., 58, 301-329.
- 08-267 Wyllie, P.J., Sekine, T., 1982, The formation of mantle phlogopite in subduction zone hybridization. Contrib. Min. Petrol., 79, 375-380.
- 08-271 Wyllie, P.J., Sekine, T., 1982, The formation of mantle phlogopite in subduction zone hybridization. Contrib. Min. Petrol., 79, 375-380.
- 08-272 Sekine, T., Wyllie, P.J., 1982, Phase relationships in the system KAlSiO<sub>4</sub>-Mg<sub>2</sub>SiO<sub>4</sub>-SiO<sub>2</sub>-H<sub>2</sub>O as a model for hybridization between hydrous siliceous melts and peridotite. Contrib. Min. Petrol., 79, 368-374.
- 08-281 XXX 1982, X Implications of andesite volcanism. In Andesites (ed. R.S. Thorpe) John Wiley & Sons, 637-661.
- 08-283 1982, X Implications of andesite volcanism. In Andesites (ed. R.S. Thorpe) John Wiley & Sons, 637-661.
- 08-408 Ringwood, A.E., 1982, Phase transformations and differentiation in subduction in subducted lithosphere: implications for mantle dynamics, basalt petrogenesis, and crustal evolution. Jour. Geology, 90, 611-643.
- 08-423 Sun, S.-S., 1982, Chemical composition and origin of the earth's primitive mantle. Geochim. et. Cosmochim. Acta, 46, 179-192.
- 09-092 Yuasa, M., Yokota, S., 1982, Hydrothermal manganese and ferromanganese concretions from seafloor of the Ogasawara arc-trench region, northwestern Pacific. CCOP Tech. Bull., 15, 51-64.
- 10-053 Hussong, D.M., Uyeda, S., Knapp, R., Ellis, H., Kling, S., Natland, J., 1982, 1. Deep sea drilling project leg 60: cruise objectives, principal results, and explanatory notes. Initial Reports of the Deep Sea Drilling Project, 60, 3-30.
- 10-054 Shipboard scientific party 1982, 14. Site 458: Mariana fore-arc. Initial Reports of the Deep Sea Drilling Project, 60, 263-307.
- 10-055 Natland, J.H., 1982, 31. Petrography and mineral compositions of gabbros recovered in deep sea drilling project hole 453 on the western side of the Mariana trough. Initial Reports of the Deep Sea Drilling Project, 60, 579-599.
- 10-056 Sharaskin, A.Y., 1982, 34. Petrography and geochemistry of basement rocks from five leg 60 sites. Initial Reports of the Deep Sea Drilling Project, 60, 647-656.
- 10-057 Natland, J.H., Mahoney, J.J., 1982, 45. Alteration in igneous rocks at deep sea drilling project sites 458 and 459, Mariana fore-arc region: relationship to basement structure. Initial Reports of the Deep Sea Drilling Project, 60, 769-788.
- 10-059 Hickey, R.L., Frey, F.A., 1982, 40. Rare-earth element geochemistry of Mariana fore-arc volcanics: deep sea drilling project site 458 and hole 459B. Initial Reports of the Deep Sea Drilling Project, 60, 735-742.
- 10-231 R.S. Thorpe, 1982, Andesites John Wiley & Sons
- 99N-105 Gerlach, D. C. and Grove, T. R., 1982, Petrology of Medicine Lake Highland Volcanics: Characterization of endmembers of magma mixing. Contrib. Mineral. Petrol., 80, 147-159.
- 99N-127 Grove, T. L., Gerlach, D. C. and Sand, T. W., 1982, Origin of calc-alkaline series lavas at Medicine Lake Volcano by fractionation, assimilation and mixing. Contrib. Mineral. Petrol., 80, 160-182.
- 99S-128 James, D. E., 1982, A combined O, Sr, Nd, and Pb isotopic and trace element study of crustal contamination in central Andean lavas, I. Local geochemical variations. Earth Planet. Sci. Lett., 57, 47-62.
- 99S-135 Hunter, R. H. and Taylor, L. A., 1982, Instability of garnet from the mantle: Glass as evidence of metasomatic melting. Geology, 10, 617-620.
- 99S-149 Baker, P. E., 1982, Evolution and classification of orogenic volcanic rocks. In: Thorpe, R. S (Editor), Andesites. John Wiley & Sons, New York., 11-23.
- 99S-157 Brown, L., Klein, J., Middleton, R., Selwyn, S. and Tera, F., 1982, 10Be in island-arc volcanoes and implications for subduction. Nat., 299, 718-720.
- 10-539 Donald M. Hussong and Patricia Fryer 1982, [2. Structure and Tectonics of the Mariana Arc and Fore-Arc: Drillsite Selection Surveys](#) Initial Reports of the Deep Sea Drilling Project, 60, 33-44.
- 10-540 Cary L. Mrozowski, Dennis E. Hayes, and Brian Taylor 1982, [4. Multichannel Seismic Reflection Surveys of Leg 60 Sites. Deep Sea Drilling Project](#) Initial Reports of the Deep Sea Drilling Project, 60, 57-69.
- 10-551 J.A. Pearce, 1982, Trace element characteristics of lavas from destructive plate boundaries. In Andesites, R.S. Thorpe, John Wiley and Sons, 325-348.

(Marine volcanology, Kumamoto Univ.)

- 99-0082 Collins, W.J., Beams, S.D., White, A.J.R. and Chappell, B.W., 1982, Nature and Origin of A-type garnites with particular reference to southeastern Australia: Contrib. Mineral. Petrol., 80, 189-200.
- 99-0390 Doe, B.R. and Zartman, R.E., 1982, Plumbotectonics of Japan: some evidence for a rejuvenated craton: Min. Geol., 32, 285-289.
- 99-0399 Sasaki, A., Sato, K. and Cumming, G.L., 1982, Isotopic composition of iore lead from the Japanses islans ( in Japanese, with English abstract) : Min. Geol., 32, 457-474.
- 99-0729 Ono, K., Soya, T. and Hosono, T., 1982, Geology of the Satsuma-Io-Jima district. Quadrabgle Series, scale 1: 50,000 (In Japanese, with English abstract): Geol. Surv. Japan, 80 p.
- 99-0867 Kobayashi, T., 1982, Geology of Sakurajima Volcano: a review ( In Japanese, with English abstract): Bull. Volcanol., Soc. Japan, 27, 277-292.
- 99-0951 Selverstone, J., 1982, Fluid inclusions as petrogenetic indicators in granulite xenoliths, Pali-Aike Volcanic Field, Chile: Contrib. Mineral. Petrol., 79, 28-36.
- 99-0963 Leyreloup, A., Bodinier, J.L., Dupuy, C. and Dostal, J., 1982, Petrology and geochemistry of granulite xenoliths from Central Hoggar (Algeria) - implications for the lower crust: Contrib. Mineral. Petrol., 79, 68-75.
- 99-1087 Nakamura, Y. and Wakita, H., 1982, Terrestrial heat flow around the aseismic front of the Japanese Island arc: Tectonophys., 81, T25-T36.
- 99-1215 Research group for the geological map of Hoho Geothermal Area, 1982, Explanatory text of the geological map of Hoho Geothermal Area, Scale 1: 100000. Miscellaneous Map Series (21-1), (In Japanese, with English abstract), Geol. Surv. Japan, 23p.
- 99-1389 Aramaki, S. and Ui, T., 1982, Japan. In: R.S. Thorpe(editor), Andesites. Jhon Wiley & Sons, 259-292.
- 99-1462 Rose Jr., W.I., Stoiber, R.E. and Malinonic, L.L. 1982, Eruptive gas compositions and fluxes of explosive volcanoes: budget of S and Cl emitted from Fuego volcano, Guatemala. In: R.S. Thorpe(editor), Andesites. Jhon Wiley & Sons, 259-292.
- 12-110 F.-W. Tesch 1982, The Sargasso sea eel expedition 1979. HELGOLANDER MEERESUNTERSUCHUNGEN Helgoliinder Meeresunters. 35, 263-277.
- 12-112 R. Kracht 1982, On the geographic distribution and migration of I- and II - group eel larvae as studied during the 1979 Sargasso sea expedition. HELGOLANDER MEERESUNTERSUCHUNGEN Helgoliinder Meeresunters. 35, 321-327.
- 12-139 B. D. Marsh 1982, The Aleutians in Andesites Edited by R. S. Thorpe, John Wiley & Sons 99-
- 12-142 SCOTT M. MCLENNAN AND S. R. TAYLOR 1982, GEOCHEMICAL CONSTRAINTS ON THE GROWTH OF THE CONTINENTAL CRUST. Journal of Geology, 90, 347-361.
- 12-338 S. A. FEDOTOV 1982, Temperatures of Entering Magma, Formation and Dimensions of Magma Chambers of Volcanoes. Bull Volcanol, 45-4, 333-347.
- 13-064 Poul E. Holm, 1982, Non-recognition of continental tholeiites using the Ti-Y-Zr diagram. Contrib Mineral Petrol., 79, 308-310.
- 02-0034 DePaolo, D.J., 1981, Trace element and isotopic effects of combined wallrock assimilation and fractional crystallization. Earth Planet. Sci. Lett., 53, 189-202.
- 04-012 Stanley, D.J., and Maldonado, A., 1981, Depositional models for fine-grained sediment in the western Hellenic Trench, Eastern Mediterranean. Sedimentology, 28, 273-290.
- 04-064 Stanley, D.J., 1981, Unifites: structureless muds of gravity-flow origin in Mediterranean basins. Geo-Marine letters, 1, 77-83.
- 05-004 Walker, G.P.L., 1981, Characteristics of two phreatoplinian ashes, and their water-flushed origin. J. Volcanol. Geotherm. 9, 395-407.
- 05-008 Walker, G.P.L., 1981, Plinian eruptions and their products. Bull. Volcanol., 44, 223-240.
- 06-003 Stanley, D.J., 1981, Unifites: structureless muds of gravity-flow origin in Mediterranean basins. Geo-Marine Let. 1 77-83.
- 06-024 Gary E. Lofgren, Anthony J. Irving, A. E. Bence, Peter W. Lipman, Michael B. Duke, Anthony J. Naldrett Michael A. Dungan, James J. Papike, John C. Green, Arch M. Reid, Stephen E. Haggerty, J. Michael Rhodes, L. A. Haskin, S. Ross Taylor 1981, Petrology and chemistry of terrestrial, lunar and meteoritic basalts. Introduction. Basalt volcanism on the Terrestrial Planets, 1-29.
- 06-025 Gary E. Lofgren, Anthony J. Irving, A. E. Bence, Peter W. Lipman, Michael B. Duke, Anthony J. Naldrett Michael A. Dungan, James J. Papike, John C. Green, Arch M. Reid, Stephen E. Haggerty, J. Michael Rhodes, L. A. Haskin, S. Ross Taylor 1981, 1.2.9 Lunar mare basalt. Basalt volcanism on the Terrestrial Planets, 236-267.
- 06-027 Gary E. Lofgren, Anthony J. Irving, A. E. Bence, Peter W. Lipman, Michael B. Duke, Anthony J. Naldrett Michael A. Dungan, James J. Papike, John C. Green, Arch M. Reid, Stephen E. Haggerty, J. Michael Rhodes, L. A. Haskin, S. Ross Taylor 1981, 1.2.10 Lunar highland basalts. Basalt volcanism on the Terrestrial Planets, 268-281.
- 06-029 Gary E. Lofgren, Anthony J. Irving, A. E. Bence, Peter W. Lipman, Michael B. Duke, Anthony J. Naldrett Michael A. Dungan, James J. Papike, John C. Green, Arch M. Reid, Stephen E. Haggerty, J. Michael Rhodes, L. A. Haskin, S. Ross Taylor 1981, 1.2.10 Lunar highland basalts. Basalt volcanism on the Terrestrial Planets, 268-281.



(Marine volcanology, Kumamoto Univ.)

- 06-043 Gary E. Lofgren, Anthony J. Irving, A. E. Bence, Peter W. Lipman, Michael B. Duke, Anthony J. Naldrett, Michael A. Dungan, James J. Papike, John C. Green, Arch M. Reid, Stephen E. Haggerty, J. Michael Rhodes, L. A. Haskin, S. Ross Taylor 1981, 7.3 Chronology of Lunar volcanism Basalt volcanism on the Terrestrial Planets, 949-974.
- 06-1019 DePaolo, D.J., 1981, Trace elements and isotopic effects of combined wallrock assimilation and fractional crystallization. Earth Planet. Sci. Lett., 53, 189-202.
- 06-1142 山口尚志, 1981, 武尊火山の地質, 地質学雑誌, 87, 823-
- 06-137 d'Arco, Ph., Maury, R.C., Westercamp, D., 1981, Geothermometry and Geobarometry of a cumingtonite-bearing dacite from Martinique, Lesser Antilles. Contrib. Min. Petrol. 77, 177-184.
- 06-3109 Crawford, A.J., Beccaluva, L., Serri, G., 1981, Tectono-magmatic evolution of the West Philippine-Mariana region and the origin of boninites. Earth Planet. Sci. Lett., 54, 346-356.
- 07-105s 湯原浩三, 江原幸雄 1981, 日本列島弧の地熱場について. Kazan 26, 185-203.
- 07-120F Elderfield, H., Hawkesworth, C.J., Greaves, M.J., 1981, Rare earth element geochemistry of oceanic ferromanganese nodules and associated sediments. Geochim. Cosmochim. Acta., 45, 513-528.
- 07-128 Carlson, R.W., Lugmair, G.W., Macdougall, J.D., 1981, Columbia river volcanism: the question of mantle heterogeneity or crustal contamination. Geochem. Cosmochem. Acta., 45, 2483-2499.
- 07-131F Goldstein, S.L., O'Nions, R.K., 1981, Nd and Sr isotopic relationships in pelagic clays and ferromanganese deposits. Nat., 292, 324-327.
- 07-137F Cortini, M., Hermes, O.D., 1981, Sr isotopic evidence for a multi-source origin of the potassic magmas in the Neapolitan area (S. Italy). Contrib., Mineral., Petrol., 77, 47-55.
- 07-167F Arculus, R.J., Johnson, R.W., 1981, Island-arc magma sources: a geochemical assessment of the roles of slab-derived components and crustal contamination. Geochem. J., 15, 109-133.
- 07-167F Arculus, R.J., 1981, Island arc magmatism in relation to the evolution of the crust and mantle. Tectonophysics, 75, 113-133.
- 07-167F Westrich, H.R., Holloway, J.R., 1981, Experimental dehydration of pargasite and calculation of its entropy and gibbs energy. Amer. J. Sci., 281, 922-934.
- 07-179 Taylor, R.P., Strong, D.F., Fryer, B.J., 1981, Volatile control of contrasting trace element distributions in peralkaline granitic and volcanic rocks. Contrib., Mineral., Petrol., 77, 267-271.
- 08-051 Blanpied, C., Stanley, D.J., 1981, Uniform mud (unifite) deposition in the Hellenic Trench, Eastern Mediterranean. Smithsonian Contrib. Mar. Sci., 13, 41 pp.
- 08-059 Stanley, D.J., 1981, Unifites: structureless muds of gravity-flow origin in Mediterranean basins. Geo-Mar Lett., 1, 77-83.
- 08-104 Arculus, R.J., Johnson, R.W., 1981, Island-arc magma sources: a geochemical assessment of the roles of slab-derived components and crustal contamination. Geochem. J., 15, 109-133.
- 08-154 Spear, F.S., 1981, an experimental study of hornblende stability and compositional variability in amphibolite. Amer. Jour. Sci., 281, 697-734.
- 08-159 Zartman, R.E., Doe, B.R., 1981, Plumbotectonics-The model. Tectonophysics, 75, 135-162.
- 08-168 Obata, M., Thompson, A.B., 1981, Amphibole and chlorite in mafic and ultramafic rocks in the lower crust and upper mantle. Contrib. Min. Petrol., 77, 74-81.
- 08-200 Zindler, A., Hart, S.R., Brooks, C., 1981, The Shabogamo intrusive suite, Labrador: Sr and Nd isotopic evidence for contaminated mafic magmas in the Proterozoic. Earth Planet. Sci. Lett., 54, 217-235.
- 08-254 Vollmer, R., Johnston, K., Ghiara, M.R., Lirer, L., Munno, R., 1981, Sr isotope geochemistry of megacrysts from continental rift and converging plate margin alkaline volcanism in south Italy. J. Volcanol. Geotherm. Res., 11, 317-327.
- 08-436 Tatsumi, Y., 1981, Melting experiments on a high-magnesian andesite. Earth Planet Sci., Lett., 54, 357-365.
- 09-091 Zantop, H., 1981, Trace elements in volcanogenic manganese oxides and Iron oxides: the San Francisco Manganese deposit, Jalisco, Mexico. Economic Geol., 76, 545-555.
- 10-305 DANIEL JEAN STANLEY 1981, Unifites: structureless muds of gravity-flow origin in Mediterranean basins Geo-Marine Letters, 1, 77-83.
- 10-419 Christian Blanpied, Daniel Jean Stanley, 1981, Uniform Mud (Unifite) Deposition in the Hellenic Trench, Eastern Mediterranean. SMITHSONIAN CONTRIBUTIONS TO THE MARINE SCIENCES 13, 38pp.
- 99S-167 Nagao, K., Takaoka, N. and Matsubayashi, O., 1981, Rare gas isotopic compositions in natural gases of Japan: Earth Planet. Sci. Lett., 53, 175-188.
- 99S-24 Basaltic Volcanism study project (U.S.) 1981, Tertiary continental flood basalts: Basaltic Volcanism on the Terrestrial Planets Sponsored by the Lunar and Planetary Institute 78-107.
- 99S-25 Basaltic Volcanism study project (U.S.) 1981, Continental rift volcanism: Basaltic Volcanism on the Terrestrial Planets Sponsored by the Lunar and Planetary Institute 108-131.
- 99Y-31 Francis, D. M., Hynes, A. J., Ludden, J. N. and Bedard, J., 1981, Crystal Fractionation and partial melting in the petrogenesis of a Proterozoic high-MgO volcanic site, Ungava, Quebec: Contrib. Mineral. Petrol., 78, 27-36.
- 99Y-45 Izett, G. A., 1981, Volcanic ash beds: recorders of upper Cenozoic silicic pyroclastic volcanism in the Western United States: J. Geophys. Res., 86, 10200-10222.
- 10-543 横山卓雄, 大塚裕之, 竹村恵二, 林田明, 1981, ロノ津層群中の火山岩のK-Ar年代. 九十九地学, 16, 28-31.
- 99-0249 Nohda, S. and Wasserburg, G.J., 1981, Nd and Sr isotopic study of volcanic rocks from Japan: Earth Planet. Sci. Lett., 52, 264-276.
- 99-0283 Yanagi, T., 1981, 日本列島第四紀火山岩の微量元素 (Rb, Sr), 月刊地球, 3, 152-
- 99-0284 Kushiro, I. and Aoki, K., 1981, 島弧の火山岩, 月刊地球, 3, 132-
- 99-0368 Sakuyama, M., 1981, 東北日本弧の"カルク・アルカリ系列" 月刊地球, 3, 145-
- 99-0379 Fujitani, T. and Masuda, A., 1981, Light REE inclination and distance from volcanic front: a case of volcanic rocks in Northeastern Japan: Geochem. J., 15, 269-281.
- 99-0382 Fujimaki, H. and Kurasawa, H., 1981, 火山岩岩石学における希土類元素, 月刊地球, 3, 175-181.
- 99-0383 Fujimaki, H. and Kurasawa, H., 1981, Rare earth patterns for tholeiitic andesite and its associated calc-alkali andesite: J. Japan. Assoc. Min. Petr. Evon. Geol., 76, 93-101.

99-0400	Sato, K., Delevaux, M.H. and Doe, B.R.,	1981,	lead isotope measurements on ores, igneous and sedimentary rocks from the Kurokou mineralization area:	Geochem. J.,	15,	135-140.
99-0437	Hildreth, W.,	1981,	Gradients in silicic magma chambers: implications for lithospheric magmatism :	J. Geophys. Res.,	86,	10153-10192.
99-0544	Kobayashi, T., Aramaki, S., Watanabe, T. and Kamada, M.,	1981,	Kirishima Volcano,	In field excursion guide to Sakurajima, Kirishima and Aso volcanoes.	Volcanological Soc. Japan, Tokyo	18-32.
99-0630	Hirahara, K.,	1981,	Three-dimensional seismic structure beneath Southwest Japan: the subducting Philippine Sea Plate:	Tectonophysics,	79,	1-44.
99-0716	Kamata, H. and Mimura, K.,	1981,	Imbrications and the flow directions of Handa pyroclastic flow deposits from Kuju volcano, southwestern Japan (In Japanese, with English abstract):	Bull. volcanol. Soc. Japan,	26,	281-292.
99-0777	Lu, R.S., Pan, J.J. and Lee, T.C.,	1981,	Heat flow in the southwestern Okinawa Trough:	Earth Planet. Sci. Lett.,	55,	299-310.
99-0874	Wada, T. and Nishimura, K.,	1981,	On a structure under the Aso Caldera (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	26,	83-92.
99-0879	Suzuki, K. and Ui, T.,	1981,	Flow lineation of the Ata pyroclastic flow deposit, Southern Kyushu, Japan (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	26,	57-68.
99-0900	Basaltic Volcanism study project (U.S.)	1981,	1.2.2. Pre- Tertiary continental flood basalts	Basaltic Volcanism on the Terrestrial Planets	Sponsored by the Lunar and Planetary Institute	30-77.
99-0941	Sasaki, T. and Katsui, Y.,	1981,	Density of pumice using glass beads (In Japanese):	Bull. Volcanol. Soc. Japan,	26,	117-118.
99-0977	Tanaka, T. and Aoki, K.,	1981,	Petrogenic implications of REE and Ba data on Mafic and ultramafic inclusions from Itinome-gata, Japan:	J. Geology,	89,	369-390.
99-1002	Arai, S. and Kobayashi, Y.,	1981,	Frequency of ultramafic rocks as inclusions in some alkali basalts from southwestern Japan and its bearing on the constitution of the upper mantle:	Ann. Rep., Inst. Geosci., Univ. Tsukuba,	7,	66-69.
99-1004	Kobayashi, Y. and Arai, S.,	1981,	Ultramafic nodules in alkali basalt from Taka-Shima, Saga Prefecture, Japan (In Japanese, with English abstract):	Geosci. Rep. Shizuoka Univ.,	6,	11-24.
99-1006	Tanaka, T. and Aoki, K.,	1981,	Petrogenetic implications of REE and Ba data on mafic and ultramafic inclusions from Itinome-Gata, Japan:	J. Geol.	89,	369-390.
99-1037	Gust, D.A. and Johnson, R. W.,	1981,	Amphibole-bearing inclusions from Boisa Island, Papua New Guinea: evaluation of the role of fractional crystallization in an andesitic volcano:	J. geology,	89,	219-232.
99-1047	Pride, C. and Muecke, G.K.,	1981,	Rare earth element distributions among coexisting facies minerals, Scourian Complex, Nw Scotland:	Contrib. Mineral. Petrol.,	76,	463-471.
99-1080	Hiroi, Y.,	1981,	Subdivision of the Hida metamorphic complex, central Japan, and its bearing on the geology of the far east in Pre-sea of Japan time:	Tectonophysics,	76,	317-333.
99-1102	Stosch, H.-G.,	1981,	Sc, Cr, Co and Ni partitioning between minerals from spinel peridotite xenoliths:	Contrib. Mineral. Petrol.,	78,	166-174.
99-1110	Pride, C. and Muecke, G.K.,	1981,	Rare earth element distribution among coexisting granulite facies minerals, Scourian Complex, NW Scotland:	Contrib. Mineral. Petrol.,	76,	463-471.
99-1331	Maaloe, S.,	1981,	Magam accumulation in the ascending mantle:	J. geol. Soc. London,	138,	223-236.
99-1332	O'Hara, M.J. and Mathews, R.E.,	1981,	Geochemical evolution in an advancing, periodically replenished, periodically tapped, continuously fractionated magma chamber:	J. geol. Soc. London,	138,	237-277.
99-1333	Blake, S.,	1981,	Eruptions from zoned magma chambers:	J. geol. Soc. London,	138,	281-287.
99-1379	Munoz, J.L. and Swenson, A.,	1981,	Chloride-hydroxyl exchange in biotite and estimation of relative HCl/HF activities in hydrothermal fluids:	Economic Geol.,	76,	2212-2221.
12-125	David M. Jenkins	1981,	Experimental phase relations of hydrous peridotites modelled in the system H <sub>2</sub> O-CaO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> .	Contrib Mineral Petrol	77,	166-176.
12-141	Scott M. McLennan and S.R. Taylor	1981,	Role of subducted sediments in island-arc magmatism: constraints from REE patterns.	Earth and Planetary Science Letters,	54,	423-430.
12-152	S. R. HART	1981,	Diffusion compensation in natural silicates	Geochimica et Cosmochimica Acta,	45,	279-291.
12-157	Timothy P. Loomis,	1981,	An investigation of disequilibrium growth processes of plagioclase in the system anorthite-albite-water by methods of numerical simulation.	Contrib Mineral Petrol	76,	196-205.
12-191	B.D. Marsh,	1981,	On the crystallinity, probability of occurrence, and rheology of lava and magma.	Contrib Mineral Petrol	78,	85-98.
15-162	寺島 滋* 稲積章生* * 石原舜三* *	1981,	中国・四国地方の泥質岩中の炭素と硫黄	地質調査所月報	32,	167-181.
16-020	E.Honza,	1981,	Subduction and accretion in the Japan trench.	Forearc area thrust subduction Japan trench	Oceanological Acta,	251-258.
00-0015	Wright, J.V., Smith, A.L. and Self, S.,	1980,	A working terminology of pyroclastic deposits.	J. Volcan. Geotherm. Res.,	8,	315-336.
00-0061	Landsdale, P. and Batiza, R.,	1980,	Hyaloclastite and lava flows on young seamounts examined with a submersible	Geol. Soc. Amer. Bull.,	91,	545-554.
00-0109	Sigurdsson, H., Sparks, R.S.J., Carey, S.N. and Huang, T. C.,	1980,	Volcanogenic sedimentation in the Lesser antilles arc.	Geol.,	88,	523-540.
00-0208	Nakamura, K.,	1980,	Why do long rift zones develop in Hawaiian volcanoes -A possible role of thick oceanic sediments-	火山	25,	255-269.
00-0208	Nakamura, K.,	1980,	Why do long rift zones develop in Hawaiian volcanoes -A possible role of thick oceanic sediments-	火山	25,	255-269.
00-0225	White, S.M., Chaley, H., Curtis, D., Klein, G. dev. And Mizuno, A.,	1980,	45. Sediment synthesis: deep sea drilling project leg 58, Philippine sea.	In: C. dev. Klein, K. Kobayashi et al., Initial Reports of the deep sea drilling project,	58, U.S. Government Printing Office, Washington	963-1013
02-0092	Lonsdale, P., and Batiza, R.,	1980,	Hyaloclastite and lava flows on young seamounts examined with a submersible.	Geol. Soc. Amer. Bull.	91,	545-554.
02-0152	Clague, D.A., Jackson, E. D., and Wright, T.L.,	1980,	Petrology of Hualalai volcano, Hawaii: implication for Mantle composition.	Bull. Volcanol.,	43,	641-656.
02-0154	Lonsdale, P., and Lawver, I.A.,	1980,	Immature plate boundary zones studied with a submersible in the Gulf of California.	Geol. Soc. Amer. Bull.,	91,	555-569.

03-0026	Clague, D.A., Jackson, E.D., and Wright, T.L.,	1980,	Petrology of Hualalai volcano, Hawaii: implication for mantle composition.	Bull. Volcanol.,	43,	641-656.
03-0028	Lipman, P.W.,	1980,	The southwest rift zone of Mauna Loa: implications for structural evolution of Hawaiian volcanoes.	Amer. J. Sci.,	280,	752-776.
03-0051	Naughton, J.J., Macdonald, G.A., and Greenberg, V.A.,	1980,	Some additional potassium-argon ages of Hawaiian rocks: the Maui volcanic complex of Molokai, Maui, Lanai and Kahoolawe.	J. Volcanol. Geotherm. Res.,	7,	339-355.
03-0052	Fornari, D.J., Lockwood, J.P., Lipman, P.W., Rawson, M., and Malahoff, A.,	1980,	Submarine volcanic features west of Kealakekua bay, Hawaii.	J. Volcanol. Geotherm. Res.,	7,	323-337.
03-0053	Shaw, H.R., Jackson, E.D., and Bargar, K.E.,	1980,	Volcanic periodicity along the Hawaiian- Emperor chain	Amer. J. Sci.,	280-A,	667-708.
03-0062	Peterson, D.W., Tilling, R. I.,	1980,	Transition of basaltic lava from pahoehoe to aa, Kilauea volcano, Hawaii: field observations and key factors.	J. Volcanol. Geotherm. Res.,	7,	271-293.
06-1055		1980,	Origin of lead in andean calc-alkaline lavas, southern Peru.	Science,	210,	1245-
06-1103	McLennan, S.M., Taylor, S.R.,	1980,	Geochemical standards for sedimentary rocks: trace-element data for U.S.G.S. standard Sco-1, MAG-1 and SGR-1	Chemical Geol.,	29,	333-343.
06-141	Bohlen, S.R., Peacor, D.R., Essene, E.J.,	1980,	Crystal chemistry of a metamorphic biotite and its significance in water barometry.	Amer. Mine.	65,	52-62.
07-031	加藤祐三,	1980,	琉球列島, 現世軽石の岩石学(予報).	琉球列島の地質学研究,	5,	69-73.
07-1007	江原幸雄, 湯原浩三, 重松暁	1980,	海底カルデラにおける熱流量測定(序報).	Kazan	25,	51-61.
07-1268	Hess, P.C.,	1980,	Chapter 1 Polymerization model for silicate melts.	Physics of magmatic processes,	Princeton University press,	3-48.
07-129	Carswell, D.A., Gibb, F.G.F.,	1980,	The equilibration conditions and petrogenesis of European crustal garnet lherzolites.	Lithos,	13,	19-29.
07-147F	Boettcher, A.L., O'Neil, J.R.,	1980,	Stable isotope, chemical, and petrographic studies of high-pressure amphiboles and micas: evidence for metasomatism in the mantle source regions of alkali basalt and kimberlites.	Amer. J. Sci.,	280-a,	594-621.
07-150F	Heiken, G., Eichelberger, J.C., Eichelberger, J.C.,	1980, 1980,	Eruptions at chaos crags, Lassen volcanic national park, California. Vesiculation of mafic magma during replenishment of silicic magma reservoirs.	J. Volcanol. Geother. Res., Nat.,	7, 288,	443-481. 446-450.
07-158F	Ewart, A., Baxter, K., Ross, J.A.,	1980,	The petrology and petrogenesis of the Tertiary anorogenic lavas of southern and central Queensland, Australia-possible implications for crustal thickening.	Contrib., Mineral., Petrol.,	75,	129-152.
08-030	Stow, D.A.V., Shanmugan, G.,	1980,	Sequence of structures in fine-grained turbidites: comparison of recent deep-sea and ancient flysch sediments.	Sedimentary Geol.,	25,	23-42.
08-039	Stow, D.A., Bowen, A.J.,	1980,	A physical model for the transport and sorting of fine-grained sediment by turbidity currents.	Sedimentology,	27,	31-46.
08-113	Menzies, M., Murthy, V.R.,	1980,	Nd and Sr isotope geochemistry of hydrous mantle nodules and their host alkali basalts: implications for local heterogeneities in metasomatically veined mantle.	Earth Planet. Sci. Lett.,	46,	323-334.
08-114	Menzies, M., Murthy, V.R.,	1980,	Mantle metasomatism as a precursor to the genesis of alkaline magmas -- isotopic evidence.	Am. J. Sci.,	280-A	622-638.
08-131	McCulloch, M.T., Gregory, R.T., Wasserburg, G.J., Taylor, Jr., H.P.,	1980,	A neodymium, strontium, and oxygen isotopic study of the Cretaceous Samail ophiolite and implications for the petrogenesis and seawater-hydrothermal alteration of oceanic crust.	Earth Planet. Sci. Lett.,	46,	201-211.
08-147	Sparks, R.S.J., Meyer, P., Sigurdsson, H.,	1980,	Density variation amongst mid-ocean ridge basalts: implications for magma mixing and the scarcity of primitive lavas.	Earth Planet. Sci. Lett.,	46,	419-430.
08-214	田島広一, 荒巻重雄,	1980,	12. 霧島火山周辺のBouguer 異常.	地震研究所彙報,	55,	241-
08-231	Patchett, P.J., Tatsumoto, M.,	1980,	A routine high-precision method for Lu-Hf isotope geochemistry and chronology.	Contrib. Min. Petrol.,	75,	263-267.
08-232	Patchett, P.J.,	1980,	Thermal effects of basalt on continental crust and crustal contamination of magmas.	Nature,	283,	559-561.
08-280	Weaver, B.L., Tarney, J.,	1980,	Continental crust composition and nature of the lower crust: constraints from mantle Nd-Sr isotope correlation.	Nature,	286,	342-346.
08-306	Pakalns, P.,	1980,	Separation of uranium from natural waters on Chelex-100 resin.	Ana. Chimi.,	120,	289-296.
08-317	Schilling, J.-G., Bergeron, M.B., Evans, R.,	1980,	Halogens in the mantle beneath the North Atlantic.	Phil. Trans. R. Soc. Lond.,	A 297,	147-178.
08-338	Rollinson, H.R., Windley, B.F.,	1980,	Selective elemental depletion during metamorphism of Archean granulites, Scourie, NW Scotland.	Contrib. Min. Petrol.,	72,	257-263.
08-351	Tarney, J., Wood, D.A., Sanders, A.D., Cann, J.R., Varet, J.,	1980,	Nature of mantle heterogeneity in the north Atlantic: evidence from deep sea drilling.	Phil. Trans. R. Soc. Lond.,	A 297,	179-202.
08-354	Saunders, A.D., Tarney, J., Weaver, S.D.,	1980,	Transverse geochemical variations across the Antarctic peninsula: implications for the genesis of calc-alkaline magmas.	Earth Planetary Sci. Lett.,	46,	344-360.
08-425	Nesbitt, R.W., Sun, S.-S.,	1980,	Geochemical features of some Archaean and post-Archaean high-magnesian-low-alkali liquids.	Phil. Trans. R. Soc. Lond.,	A 297,	365-381.
09-062	Shiono, K., Mikumo, T., Ishikawa, Y.,	1980,	Tectonics of the Kyushu-Ryukyu arc as evidenced from seismicity and focal mechanism of shallow to intermediate-depth earthquakes.	J. Phys. Earth,	28,	17-43.
10-040	Fink, J.,	1980,	Surface folding and viscosity of rhyolite flows.	Geology,	8,	250-254.
10-110	Neef, G.,	1980,	Mode of formation of an earliest Pliocene-late Miocene, Basaltic, pillow-lava pile present at Pentecost Island, New Hebrides, and its bearing on the formation of basaltic ruditite.	Bull. Volcanol.,	43,	505-510.
10-376	Jonathan Fink,	1980,	Surface folding and viscosity of rhyolite flows	Geology,	8,	250-254.
10-438	田島広一, 荒巻重雄,	1980,	12. 霧島火山周辺のBouguer 異常.	地震研究所彙報,	55,	241-
99S-142	Perfit, M. R., Gust, D. A., Bence, A. E., Arculus, R. J. and Taylor, S. R.,	1980,	Chemical characteristics of island-arc basalts: Implications for mantle sources:	Chem. Geol.,	30,	227-256.

99S-154	Raisbeck, G. M., Yiou, Fruneau, M., Loiseaux, J. M., Lieuvin, M., Ravel, J. C., Reyss, J. M. and Guichard, F.,	1980,	10Be concentration and residence time in the deep ocean:	Earth Planet. Sci. Lett.,	51,	275-278.
99S-30	Wood, M. I. and Hess, P. C.,	1980,	The structural role of Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> in immiscible silicate liquids in the system SiO <sub>2</sub> -MgO-CaO-FeO-TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> :	Contrib. Mineral. Petrol.,	72,	319-328.
99-0158	Lappin, A.R. and Hollister, L.S.,	1980,	Partial melting in the Central Gneiss British Columbia:	Amer. J. Sci.,	280,	518-545.
99-0256	Kutoda, Y., Suzuoki, T. and Matsuo, S.,	1980,	Water content, Xfe and D/H of amphibole (in Japanese with English abstract)	九大研報,	13,	191-200.
99-0391	Yamaguchi, M.,	1980,	Initial Pb of zircon and sphene and a multi-stage evolution interpretation of the Hida gneissic and granitic rocks by Pb and Sr isotopes (in Japanese, with English abstract):	九大研報 (地質),	13,	173-190.
99-0547	Tsuyuki, T., Kaneda, Y. and Kobayashi, T.,	1980,	Geological hazards and their evaluations in volcanic area (1) -types of landslides in the Kirishima volcanic area (In Japanese, with English abstract) :	鹿児島大理学部紀要(地学・生物学),	13,	91-103.
99-0573	Okada, M. and Otsuka, H.,	1980,	Fission track ages of zircon crystals from tuff layers in the Kuchinotsu Group and from andesite of the Tatsuishi formation (In Japanese, with English abstract):	The Quaternary Res.,	19,	75-85.
99-0581	Takai, M.,	1980,	192 熊本県金峰火山の古地磁気	地質学会講演要旨集		
99-0583	Hirano, I. and Taneda, M.,	1980,	熊本県金峰火山の地質と層序	地質学会講演要旨集	?	
99-0591	Sendo, T., Hase, Y. and Takasu, T.,	1980,	熊本県天草郡大矢野島北部の火山地質:	熊大理学部紀要[地学],	12,	1-30.
99-0637	Takahashi, M., Aramaki, S. and Ishihara, S.,	1980,	Magnetite-series/Ilmenite-series vs. I-type / S-type granitoids:	Mining Geology special issue	8,	13-28.
99-0654	Yanagi, T.,	1980,	Rb-Sr ages, grain sizes, and mineral inclusions of biotite in a granite (In Japanese, with English abstract):	九大研報(地質)	13,	155-162.
99-0735	Ishibashi, K.,	1980,	Reibeckite and alkali-pyroxene from Madara-jima island, Saga Prefecture, Northern Kyushu (In Japanese, with English abstract):	九大研報(地質)	13,	209-216.
99-0751	Okaguchi, M. and Otsuka, H.,	1980,	Fission track ages of zircon crystals from tuff layers in the Kuchinotsu Group and from andesite of the Tatsuishi Formation (In Japanese, with English abstract):	The Quaternary Res.,	19,	75-85.
99-0766	Aihara, A.,	1980,	Preliminary study on organic metamorphism in coal-bearing Cenozoic system of the Inner Zone of Kyushu (In Japanese, with English abstract):	九大研報(地質)	13,	295-305.
99-0772	Takai, M.,	1980,	Paleomagnetism of the volcanic rocks and the pyroclastic flow deposits in the Hitoyoshi basin, Kumamoto Prefecture (In Japanese, with English abstract):	九大研報(地質)	13,	127-133.
99-0796	Fujino, T. and Taneda, S.,	1980,	Petrological characteristics of the Unzen volcanic rocks (In Japanese, with English abstract):	九大研報(地質)	13,	111-119.
99-0832	Miyamachi, M.,	1980,	Pyroclastic flow deposits in the Akune area, Kagoshima Prefecture, Japan (In Japanese, with English abstract):	九大教養地研報,	21,	1-6.
99-0881	Nakamura, M.,	1980,	Possibility of new volcanic activity at Ibusuki volcanic field, Kyushu, Japan (In Japanese, with English abstract):	Bull. Volcanol., Soc. Japan,	25,	195-205.
99-0981	Zashu, S., Kaneoka, I. and Aoki, K.,	1980,	Sr isotope study of mafic and ultramafic inclusions from Itinome-gata, Japan:	Geochem. J.,	14,	123-128.
99-1007	Takahashi, E.,	1980,	Thermal history of lherzolite xenoliths--I. Petrology of lherzolite xenoliths from the Ichinomegata crater, Oga peninsula, northeast Japan:	Geochem. Cosmochim. Acta.,	44,	1643-1658.
99-1370	Ishikawa, K., Kanisawa, S. and Aoki, K.,	1980,	Content and behavior of fluorine in Japanese Quaternary volcanic rocks and petrogenetic application:	J. Volcanol. Geotherm. Res.,	8,	161-175.
99-1378	Blattner, P.,	1980,	Chlorine-enriched leucogabbro in Nelson and Fiordland, New Zealand:	Contrib. Mineral. Petrol.,	72,	291-296.
12-134	I.A. NICHOLLS', D.J. WHITFORD', K.L. HARRIS' and S.R. TAYLOR'	1980,	Variation in the geochemistry of mantle sources for tholeiitic and calc-alkaline mafic magmas, western Sunda volcanic arc, Indonesia.	Chemical geology,	30,	177-199.
12-299	Robert E. Sheriff,	1980,	5. Seismic facies analysis and reef patterns: Seismic Facies.	Seismic Stratigraphy,	Springer	85-116.
12-396	D.A. CLAGUE, E.D. JACKSON, T.L. WRIGHT,	1980,	Petrology of Hualalai volcano, Hawaii: Implication for mantle composition.	Bull Volcanol,	43-4,	641-656.
12-400	Claude J. Allegre & Dalila Ben Othman,	1980,	Nd-Sr isotopic relationship in granitoid rocks and continental crust development: a chemical approach to orogenesis.	Nature,	286,	335-341.
12-425	DONALD J. DiPAOLO	1980,	Crustal growth and mantle evolution: inferences from models of element transport and Nd Sr isotopes.	Geochimica et Cosmochimica Acta,	44,	1185-1196.
12-b018	John V. Wright, Alan L. Smith and Stephen Self,	1980,	A working terminology of pyroclastic deposits.	Journal of Volcanology and Geothermal Research,	8,	315-336.
12-b025	Lionel Wilson,	1980,	Relationships between pressure, volatile content and ejecta velocity in three types of volcanic explosion.	Journal of volcanology and Geothermal Research,	8,	297-313.
12-b044	Y ASUSHI KIT ANO. MASAHIRO SAKATA* EIJI MATSUMOTO	1980,	Partitioning of heavy metals into mineral and organic fractions in a sediment core from Tokyo Bay.	Geochimica et Cosmochimica Acta,	44,	1279-1285.
15-227_2	YASUSHI KITANO, MASAHIRO SAKATA Em MATSUMOTO	1980,	Partitioning of heavy metal§ into mineral mrandl organic fraction§ in a §ediment core from Tokyo Bay.	Gochimica et Cosmochimica Acta	44,	1279-1285.
16-012	William K. Hartmann	1980,	Dropping stones in magma oceans: Effects of early lunar cratering.	Proc. Con/ L11n11r Highlands Cr1111	Papike. J.J. and Merrill, R.B .. eds	155-171.
16-046	Jonathan Fink	1980,	Surface folding and viscosity of rhyolite flows.	geology,	8,	250-254.
16-160	Kazuaki Nakamura,	1980,	Why do long rift zones develop in Hawaiian volcanoes = A possible role of thick oceanic sediments	火山第2集	25,	255-269.
16-177	JONATHAN H. FINK	1980,	Surface folding and viscosity of rhyolite flows	Geology,	8,	250-254.
12-b052	木下思洋, 有岡正史, 相F寺公兒 大楠和品松本英二, 資材清和, 横田節哉	1979,	61-2 有明海および周辺海域の堆苦言物	公害特別研究報告、	61、	29-57.
15-210	木下泰正、有田正史、小野寺公兒、大島和雄、松本英二、西村清和、横田節哉、	1979,	61-2 有明海および周辺海域の堆積物	公害特別研究報告書、		
00-0210	Fornari, D.J., Moore, J. G. and Calk, L.,	1979,	A large submarine sand-rubble flow on Kilauea volcano, Hawaii.	J. Volcon. Geotherm. Res.,	5,	239-256.

00-0226	Kuenzi, W. D., Horst, O. H. and McGehee, R. V.,	1979,	Effect of volcanic activity on fluvial-deltaic sedimentation in a modern arc-trench gap, southwestern Guatemala.	Geol. Soc. Amer. Bull.,	90,	827-838.
02-0076	Fornari, D.J., Malahoff, A., and Heezen, B.C.,	1979,	Visual observations of the volcanic micromorphology of tortuga, Lorraine and TuTu seamounts: and petrology and chemistry of ridge and seamount features in and around the Panama basin.	Marine geol.,	31,	1-30.
02-0155	Lonsdale, P., and Spiess, F.N.,	1979,	A pair of young cratered volcanoes on the east Pacific rise.	J. Geol.,	87,	157-173.
06-1018	Masuda, Y., Aoki, K.-I.,	1979,	Trace element variations in the volcanic rocks from the Nasu zone northeast Japan.	Earth Planet. Sci. Lett.,	44,	139-149.
06-1059	Loiselle, M.C., Wones, D.R.,	1979,	Characteristics and origin of anorogenic granites.	Abstracts with programs,	2207-	468
06-1064	Fornari, D.J., Malahoff, A., Heezen, B.C.,	1979,	Visual observations of the volcanic micromorphology of tortuga, lorraine and tutu seamounts: and petrology and chemistry of ridge and seamount features in and around the Panama basin.	Mar. Geol.,	31,	1-30.
06-1140	松本征夫,	1979,	本州弧・琉球弧会合部における火山活動.	地球科学	33,	192-
06-154	DeLong, S.E., Schwarz, W.M., Anderson, R.N.,	1979,	Thermal effects of ridge subduction.	Earth Planet. Sci. Lett.,	44,	239-246.
06-164	Vogt, P.R.,	1979,	Global magmatic episodes: new evidence and implications for the steady-state mid-oceanic ridge.	Geol.,	7,	93-98.
06-3073	Wohletz, K.H., Sheridan, M.F.,	1979,	A model of pyroclastic surge.	Geol. Soc. Amer. Spec.	180,	177-194.
07-043	大西雅弘, 松本征夫,	1979,	鹿児島県吐く喇列島宝島の地質とくにグリーンタフ活動について	琉球列島の地質学研究,	4,	35-46.
07-051	大西雅弘, 松本征夫,	1979,	鹿児島県吐く喇列島宝島の火山地質.	琉球列島の地質学研究,	4,	63-78.
07-096	Maaloe, S.,	1979,	Compositional range of primary tholeiitic magmas evaluated from major element trends.	Lithos,	12,	59-72.
07-126F	Johnson, R.W., Mutter, J.C., Arculus, R.J.,	1979,	Origin of the Willaumez-Manus rise, Papua New Guinea.	Earth Planet. Sci. Lett.	44,	247-260.
07-135s	Hawkesworth, C.J., O'nions, R.K., Arculus, R.J.,	1979,	Nd and Sr isotope geochemistry of island arc volcanics, Grenada, Lesser Antillis.	Earth Planet. Sci. Lett.	45,	237-248.
07-150s	Mysen, B.O.,	1979,	Trace element partitioning between garnet peridotite minerals and water-rich vapor: experimental data from 5 to 30 kbar.	Amer. Min.,	64,	274-287.
07-151s	Helz, R.T.,	1979,	Alkali exchange between hornblende and melt: a temperature-sensitive reaction.	Amer. Min.,	64,	953-965.
07-160F	Ewart, A.,	1979,	A review of the mineralogy and chemistry of Tertiary—Recent dacitic, latitic, rhyolitic, and related salic volcanic rocks.	in Barker, Fred, ed., Trondhjemites, dacite, and related rocks	Amsterdam, Elsevier,	13-121.
07-163s	Hellman, P.L., Green, T.H.,	1979,	The role of sphene as an accessory phase in the high-pressure partial melting of hydrous mafic compositions.	Earth Planet. Sci. Lett.	42,	191-201
07-164s	Hellman, P.L., Green, T.H.,	1979,	The role of sphene as an accessory phase in the high-pressure partial melting of hydrous mafic compositions.	Earth Planet. Sci. Lett.	42,	191-201.
07-170F	Herzberg, C.T.,	1979,	A reply.	Contrib., Mineral., Petrol.,	70,	223-228.
07-194	Lasaga, A.C., Burnham, C.W.,	1979,	Water and magmas: another reply.	Geochim. Cosmochim.	43,	643-647.
07-257	木庭元晴, 中田高, 渡部佐知子	1979,	琉球列島, 宝島・小宝島の第四紀後期離水サンゴ礁と完新世後期の海水準.	地球科学,	33,	173-
07-261	大迫陽一,	1979,	宝島金銀鉛床調査,	鹿児島県下有望鉛床地域昭和50年度調査報告, 阿久根, 国分, 野間池, 宝島, 久多島の諸鉛床 鹿児島県地下資源開発促進協会	24-28.	
08-138	Leeman, W.P.,	1979,	Partitioning of Pb between volcanic glass and coexisting sanidine and plagioclase feldspars.	Geochim et Cosmochim Acta,	43,	171-175.
08-176	Taylor, Jr., H.P., Giannetti, B., Turi, B.,	1979,	Oxygen isotope geochemistry of the potassic igneous rocks from the roccamonfina volcano, Roman comagmatic region, Italy.	Earth Planet. Sci. Lett.,	46,	81-106.
08-285	DePaolo, D.J., Wasserburg, G.J.,	1979,	Petrogenetic mixing models and Nd-Sr isotopic patterns.	Geochim et Cosmochim	43,	615-627.
08-336	Muramatsu, Y., Wedepohl, K.H.,	1979,	Chlorine in Tertiary basalts from the Hessian depression in NW Germany.	Contrib. Mineral. Petrol.,	70,	357-366.
08-352	Wood, D.A., Joron, J.-L., Treuil, M., Norry, M., Tarney, J.,	1979,	Elemental and Sr isotope variations in basic lavas from Iceland and the surrounding ocean floor.	Contrib. Mineral. Petrol.,	70,	319-339.
08-353	Wood, D.A., Joron, J.-L., Treuil, M., Norry, M., Tarney, J.,	1979,	Elemental and Sr isotope variations in basic lavas from Iceland and the surrounding ocean floor.	Contrib. Mineral. Petrol.,	70,	319-339.
08-361	Pearce, J.A., Norry, M.J.,	1979,	Petrogenetic implications of Ti, Zr, Y, and Nb variations in volcanic rocks.	Contrib. Min. Petrol.,	69,	33-47.
08-363	Stern, R.J.,	1979,	On the origin of andesite in the northern Mariana island arc: implications from Agrigan.	Contrib. Min. Petrol.,	68,	207-219.
08-375	Piepgras, D.J., Wasserburg, G.J., Dasch, E.J.,	1979,	The isotopic composition of Nd in different ocean masses.	Earth Planet. Sci. Lett.,	45,	223-236.
08-404	Ringwood, A.E.,	1979,	Origin of the earth and moon	Springer-Verlag, New York and Heidelberg,		295 p.
08-414	Hsui, A.T., Toksoz, M.N.,	1979,	The evolution of thermal structures beneath a subduction zone.	Tectonophysics,	60,	43-60.
08-419	Sun, S.S., Nesbitt, R.W.,	1979,	Geochemical characteristics of Mid-Ocean ridge basalt.	Earth Planet. Sci., Lett.,	44,	119-138.
10-331	猪木幸男, 服部仁, 柴田賢,	1979,	野母半島の変斑レイ岩複合岩体および4.5億年基盤岩.	日本列島の基盤, 加納博教授記念論文集,		261-280.
99S-127	Hawkesworth, C. J., Norry, M. J., Roddick, J. C., Baker, P. E., Francis, P. W. and Thorpe, R. S.,	1979,	143Nd/144Nd, 87Sr/86Sr, and incompatible element variations in calc-alkaline andesites and plateau lavas from south America:	Earth Planet. Sci. Lett.,	42,	45-57.
99S-139	Manhes, G., Allegre, C. J., Dupre, B. Hamelin, B.,	1979,	Lead-lead systematics, the "age of the earth" and the chemical evolution of our planet in a new representation space:	Earth Planet. Sci. Lett.,	44,	91-104.
99S-178	Dixon, S. and Rutherford, M. J.,	1979,	Plagiogranites as late-stage immiscible liquids in ophiolite and mid-ocean ridge suites: An experimental study:	Earth Planet. Sci. Lett.,	45,	45-60.
99-0065	Hildreth, W.,	1979,	The Bishop Tuff: evidence for the origin of compositional zonation in silicic magma chambers:	Geol. Soc. Am. Spec. Pap.,	180,	43-75.
99-0091	Loiselle, M.C. and Wones, D.R.,	1979,	Characteristics and origin of anorogenic granites:	Geol. Soc. Am. Abstr.	11,	468
99-0194	Smith, R.L.,	1979,	Ash-flow magmatism:	Geol. Soc. Am. Spec. Pap.,	180,	5-27.

99-0220	Noble, D.C., Rigot, W.L. and Bowman, H.R.,	1979,	Rare-earth-element content of some high differentiated ash-flow tuffs and lavas:	Geol. Soc. Am. Spec. Pap.,	180,	77-85.
99-0254	Masuda, Y. and Aoki, K.,	1979,	Trace element variations in the volcanic rocks from the Nasu zone northeast Japan:	Earth Planet. Sci. Lett.,	44,	139-149.
99-0279	Shibata, K. and Ishihara, S.,	1979,	Rb-Sr whole-rock and K-Ar mineral ages of granitic rocks in Japan:	Geochem. J.,	13,	113-119.
99-0438	Hildreth, W.,	1979,	The Bishop Tuff: Evidence for the origin of compositional zonation in silicic magma chamber:	Geol. Soc. Am. Spec. Pap.,	180,	43-75.
99-0517	Williams, H. and McBirney A.R.,	1979,	Calderas and cauldrons:	In Volcanology	Freeman, Cooper, and Co., San Francisco, CA	207-238.
99-0523	Tomblin, J.F.,	1979,	Dacite of the Lesser Antilles:	In F. Barker (ed.), Trondhjemites, dacites, and related rocks	Elsevier Sci. Pub., Netherlands,	601-628.
99-0526	Gill, J.B. and Stork, A.L.,	1979,	Miocene low-K dacites and trondhjemites of Fiji:	In F. Barker (ed.), Trondhjemites, dacites, and related rocks	Elsevier Sci. Pub., Netherlands,	629-649.
99-0594	shibata, K. and Ishihara, S.,	1979,	Initial 87Sr/86Sr ratios of plutonic rocks from Japan:	Contrib. Mineral. Petrol.,	70,	381-390.
99-0640	Nakada, S. and Takahashi, M.,	1979,	Regional variation in chemistry of the Miocene intermediate to felsic magmas in the Outer Zone and the Setouchi province of Southwest Japan (In Japanese, with English abstract):	J. Geol. Soc. Japan,	85,	571-582.
99-0656	Hahn, G.A., Rose, Jr. W.I. and Meyers, T.,	1979,	Geochemical correlation of genetically related rhyolitic ash-flow and air-fall ashes, central and western Guatemala and the equatorial Pacific:	Geol. Soc. Am. Spec. Pap.,	180,	101-112.
99-0667	Nishimura, Y.,	1979,	Metamorphic rocks of 300-400 m.y. ages found in the Inner Zone of Southwest Japan (In Japanese, with English abstract):	In 日本列島の基盤・加納博教授記念論文集		201-216.
99-0668	Nureki, T.,	1979,	On the pre-Ryoke basement rocks (In Japanese, with English abstract):	In 日本列島の基盤・加納博教授記念論文集		183-199.
99-0670	Karakida, Y., Miyachi, S., Yamamoto, H. and Oshima, T.,	1979,	The Kurosegawa tectonic zone in Kyushu, with special reference to garnet amphibolites of Tsubokinohana in the Yatsushiro district (In Japanese, with English abstract):	In 日本列島の基盤・加納博教授記念論文集		369-396.
99-0754	Delong, S.E., Schwarz, W.M. and Anderson, R.N.,	1979,	Thermal effects of ridge subduction:	Earth Planet. Sci. Lett.,	44,	239-246.
99-0768	Igi, S., Hattori, H. and Shibata, K.,	1979,	Nomo metagabbro complex and their 450m. y. ages as a clue to the basement geology. -A proposal of " Saihi structural zone" including the pre-Silurian basements in the westernmost part of the Japanese Islands (In Japanese, with English abstract):	In 日本列島の基盤・加納博教授記念論文集,		261-280.
99-0971	Shimazu, M., Yano, T. and Tajima, M.,	1979,	Gabbroic inclusions in calc-alkali andesites of the Fossa Magna region Central Japan:	Sci. Rep. Niigata Univ.,	Ser. E, No. 5,	63-85.
99-0988	Murakami, N.,	1979,	Lower crustal rock fragments included in the Cenozoic volcanic rocks from West San-in, Southwest Japan (In Japanese, with English abstract):	日本列島の基盤	加納博教授記念論文集	233-260.
99-0991	Nureki, T. and Murakami, N.,	1979,	A general survey of xenoliths found in the Cenozoic volcanic rocks in West Japan (In Japanese, with English abstract):	日本列島の基盤	加納博教授記念論文集	217-232.
99-1008	Aoki, K. and Kanisawa, S.,	1979,	Fluorine contents of some hydrous minerals derived from upper mantle and lower crust:	Lithos	12,	167-171.
99-1031	Yoshii, T.,	1979,	Detailed cross-section of the deep seismic zone beneath northeastern Honshu, Japan:	Tectonophys.	55,	349-360.
99-1038	Erlich, E.N., Kutjev, F.Sh., Bogoyavlenskaya, G.E., Tolstikhin, I.N., Mamyrin, B. A. and Khabarin, L.V.,	1979,	Cognate inclusions in basalt-andesite rock series:	Bull. volcanol.,	42,	152-166.
99-1082	Yoshii, T. and Asano, S.,	1979,	東北日本の地殻構造:	日本列島の基盤, 加納博教授記念論文集,		687-696.
99-1154	Garcia, M.O. and Jacobson S.S.,	1979,	Crystal clots, amphibole fractionation and the evolution of calc-alkaline magmas:	Contrib. Mineral. Petrol.,	69,	319-327.
99-1189	Kizaki, K.,	1979,	九州西縁構造帯とその意義	地球科学	33,	144-151.
99-1192	Matsumoto, Y.,	1979,	本州弧・琉球弧会合部における火山活動	地球科学	33,	192-199.
99-1222	Vogt, P.R.,	1979,	Global magmatic episodes: New evidence and implications for the steady-state mid-oceanic ridge:	Geology,	7,	93-98.
99-1250	Saunders, A.D. and Tarney, J.,	1979,	The geochemistry of basalts from a back-arc spreading center in the East Scotia Sea:	Geochim. Cosmochim. Acta	43,	555-572.
99-1340	Sakuyama, M.,	1979,	Lateral variations of H <sub>2</sub> O contents in Quaternary magmas of northeastern Japan:	Earth Planet. Sci. Lett.,	43,	103-111.
12-140	D. D. MARSH	1979,	ISLAND ARC DEVELOPMENT: SOME OBSERVATIONS, EXPERIMENTS, AND SPECULATIONS	Journal of Geology,	87,	687-713.
12-156	Timothy P. Loomis,	1979,	An empirical model for plagioclase equilibrium in hydrous melts	Geochimica et Cosmochimica Acta,	43,	1753-1759.
12-314	D.J. DePaolo, G.W. Wasserburg,	1979,	Petrogenetic mixing models and Nd-Sr isotopic patterns.	Geochimica Cosmochimica Acta	43,	615-627.
12-332	Kenji Okamoto,	1979,	Geochemical study on magmatic differentiation of Asama volcano, central Japan.	Journal of the Geological society of Japan,	85,	525-535.
12-424	D. J. DEPAOLO AND G. J. WASSEHBURG	1979,	Neodymium isotopes in flood basalts from the Siberian Platform inferences about their mantle sources.	Proceedings of the National Academy of Sciences USA	76,	3056-3060.
02-0073	Varnes, D.J.,	1978,	slope movement types and processes, In Landslides, analysis and control, Schuster, R.L., and Krizek, R.J., (editors); Transportation Research Board, Commission on Sociotechnical System, National Research Council-National academic of Science,	Special report (National reseach council U. S.)	176,	11-33.
02-0138	Moore, J.G., and Lockwood, J.P.,	1978,	Spreading cracks on pillow lava.	J. Geol.,	86,	661-671.

03-0135	Fornari, D.J., Malahoff, A., and Heezen, B.C.,	1978,	Volcanic structure of the crest of the Puna Ridge, Hawaii: geophysical implications of submarine volcanic terrain.	Geol. Soc. Amer. Bull.,	89,	605-616.
04-078	Normark, W.R.,	1978,	Fan valleys, channels, and depositional lobes on modern submarine fans: characters for recognition of sandy turbidite environments.	Amer. Assoc. Petrol. Geol. Bull.,	62,	912-931.
05-046	Self, S., and Sparks, R.S.J.,	1978,	Characteristics of widespread pyroclastic deposits formed by the interaction of silicic magma and water.	Bull. Volcanol.,	41,	196-212.
06-1040	O'Nions, R.K.,	1978,	Early Archaean rocks and geochemical evolution of the earth's crust.	Earth and Planetary Sci. Letters,	38,	211-236.
06-1057	Varnes, D.J.,	1978,	chapter 2 Slope movement types and processes.	In		11-
06-1074	Buseck, P.R., Veblen, D.R.,	1978,	Trace elements, crystal defects and high resolution electron microscopy.	Geochimica et Cosmochimica Acta,	42,	669-678.
06-1075	Basu, A.R.,	1978,	Trace elements and Sr isotopes in some mantle-derived hydrous minerals and their significance	Geochimica et Cosmochimica Acta	42,	659-668
06-1076	Drake, M.J., and Holloway, J.R.,	1978,	"Henry's law" behaviour of Sm in a natural plagioclase / melt system: importance of experimental procedure.	Geochim. Cosmochim. Acta.	42,	679-683.
06-1077	Flynn, R.T., Burnham, C.W.,	1978,	An experimental determination of rare earth partition coefficients between a chloride containing vapor phase and silicate melts.	Geochim. Cosmochim. Act.,	42,	685-701.
06-1078	Fung, P.C., Shaw, D.M.,	1978,	Na, Rb and Tl distributions between phlogopite and sanidine by direct synthesis in a common vapour phase.	Geochim. Cosmochim. Act.,	42,	703-708.
06-1079	Hanson, G. N., Langumir, C.H.,	1978,	Modelling of major elements in mantle-melt systems using trace element approaches.	Geochim. Cosmochim. Act.,	42,	725-741.
06-1080	Irving, A.J., Frey, F.A.,	1978,	Distribution of trace elements between garnet megacrysts and host volcanic liquids of kimberlitic to rhyolitic composition.	Geochim. Cosmochim. Act.,	42,	771-787.
06-1081	Leeman, W.P.,	1978,	Distribution of Mg <sup>2+</sup> between olivine and silicate melt, and its implications regarding melt structure.	Geochim. Cosmochim. Act.,	42,	789-800.
06-1082	Leeman, W.P., Lindstrom, D.J.,	1978,	Partitioning of Ni <sup>2+</sup> between basaltic and synthetic melts and olivines- an experimental study.	Geochim. Cosmochim. Act.,	42,	801-816.
06-1083	Lindstrom, D.J., Weill, D.F.,	1978,	Partitioning of transition metals between diopside and coexisting silicate liquids. I. Nickel, Cobalt, and Manganese.	Geochim. Cosmochim. Act.,	42,	817-831.
06-1084	Magaritz, M., Hofmann, A.W.,	1978,	Diffusion of Eu and Gd in basalt and obsidian.	Geochim. Cosmochim. Act.,	42,	847-858.
06-1085	Mysen, B.O.,	1978,	Limits of trace elements in minerals according to Henry's law: review of experimental data.	Geochim. Cosmochim. Act.,	42,	871-885.
06-1086	Navrotsky, A.,	1978,	Thermodynamics of element partitioning: (1) systematics of transition metals in crystalline and molten silicates and (2) defect chemistry and "the Henry's law problem"	Geochim. Cosmochim. Act.,	42,	887-902.
06-1087	Notsu, K., Onuma, N., Nishida, N.,	1978,	High temperature heating of the allende meteorite.	Geochim. Cosmochim. Act.,	42,	903-907.
06-1088	Philpotts, J. A.,	1978,	The law of constant rejection.	Geochim. Cosmochim. Act.,	42,	909-920.
06-1089	Ryerson, F.J., Hess, P.C.,	1978,	Implication of liquid-liquid distribution coefficients to mineral-liquid partitioning.	Geochim. Cosmochim. Act.,	42,	921-932.
06-1107	Ogawa, Y.,	1978,	Structural characteristics and tectonisms around the microcontinent in the outer margin of the Paleozoic-Mesozoic geosyncline of Japan.	Tectonophysics,	47,	295-310.
06-3091	Yamamoto, M., Hirano, T.,	1978,	Morphological changes in the Esophageal Epithelium of the Eel, <i>Anguilla japonica</i> , during adaptation to seawater.	Cell Tiss. Res.,	192,	25-38.
06-3110	Dietrich, V., Emmermann, R., Oberhansli, R., Puchelt, H.,	1978,	Geochemistry of basaltic and gabbroic rocks from the West Mariana basin and the Mariana trench.	Earth Planet. Sci. Lett.,	39,	127-144.
07-049	松本 健夫,	1978,	沖縄県硫黄島島の火山地質.	琉球列島の地質学研究,	3,	163-166.
07-094s	Eggler, D.H., Rosenhauer, M.,	1978,	Carbon dioxide in silicate melts: II. Solubilities of CO <sub>2</sub> and H <sub>2</sub> O in CaMgSi <sub>2</sub> O <sub>6</sub> (diopside) liquids and vapors at pressures to 40 kb	Amer. J. Sci.,	278,	64-94.
07-097	Minster, J.F., Allegre, C.J.,	1978,	Systematic use of trace elements in igneous processes.	Contrib., Mineral., Petrol.,	68,	37-52.
07-106s	Hawkesworth, C.J., Elderfield, H.,	1978,	The strontium isotopic composition of interstitial waters from sites 245 and 336 of the deep sea drilling project.	Earth, Planet., Sci., Lett.,	40,	423-432.
07-110F	Delany, J.M., Helgeson, H.C.,	1978,	Calculation of the thermodynamic consequences of dehydration in subducting oceanic crust to 100 kb and > 800C .	Amer. J. Sci.,	278,	638-686.
07-115s	Gill, J.B.,	1978,	Role of trace element partition coefficients in models of andesite genesis.	Geochim. Cosmochim. Acta,	42,	709-724.
07-116s	Gill, J.B.,	1978,	Role of trace element partition coefficients in models of andesite genesis.	Geochim. Cosmochim. Acta,	42,	709-724.
07-117F	Arzi, A.A.,	1978,	Critical phenomena in the rheology of partially melted rocks.	Tectonophysics,	44,	173-184.
07-118F	Eichelberger, J.C.,	1978,	Andesites in island arcs and continental margins: relationship to crustal evolution.	Bull. Volcanol.,	41-4,	480-500.
07-119F	Eichelberger, J.C.,	1978,	Andesitic volcanism and crustal evolution.	Nat.,	275,	21-27.
07-156s	Gree, T.H.	1978,	Rare earth geochemistry of basalts from Norfolk Island, and implications for mantle inhomogeneity in the rare earth elements.	Geocem. J.,	12,	165-172.
07-171F	Herzberg, C.T.,	1978,	Pyroxene geothermometry and geobarometry: experimental and thermodynamic evaluation of some subsolidus phase relations involving pyroxenes in the system CaO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> .	Geochim. Cosmochim. Acta.,	42,	945-957.
08-125	Kay, R.W., Sun, S.-S., Lee-Hu, C.-N.,	1978,	Pb and Sr isotopes in volcanic rocks from the Aleutian Islands and Pribilof Islands, Alaska.	Geochim et Cosmochim Acta,	42,	263-273.
08-173	Taylor, Jr. H.P.,	1978,	Oxygen hydrogen isotope studies of plutonic rocks.	Earth Planet. Sci. Lett.,	38,	177-210.
08-239	XXX	1978,	Neodymium and strontium isotope evidence for crustal contamination of continental volcanics.	Science,	202,	743-747.
08-240	XXX	1978,	Neodymium and strontium isotope evidence for crustal contamination of continental volcanics.	Science,	202,	743-747.
08-241	O'Nions, R.K., Carter, S.R., Cohen, R.S., Evensen, N.M., Hamilton, P.J.,	1978,	Pb, Nd and Sr isotopes in oceanic ferromanganese deposits and ocean floor basalts.	Nature,	273,	435-438.
08-242	Carter, S.R., Evensen, N.M., Hamilton, P.J., O'Nions, R.K.,	1978,	Continental volcanics derived from enriched and depleted source regions: Nd- and Sr isotope evidence.	Earth Planet. Sci. Lett.,	37,	401-408.

(Marine volcanology, Kumamoto Univ.)

- 08-246 O'Nions, R.K., Carter, S.R., Cohen, R.S., Evensen, N.M., Hamilton, P.J., 1978, Pb, Nd and Sr isotopes in oceanic ferromanganese deposits and ocean floor basalts. Nature, 273, 435-438.
- 08-251 O'Nions, R.K., Pankhurst, R.J., 1978, Early Archaean rocks and geochemical evolution of the earth's crust. Earth Planet. Sci. Lett., 38, 211-236.
- 08-262 Wyllie, P.J., 1978, Peridotite-Co<sub>2</sub>-H<sub>2</sub>O and the Low-velocity zone. Bull. Volcanol., 41-4, 670-
- 08-265 Wyllie, P.J., 1978, Water and magma generation at subduction zones. Bull. Volcanol., 41-4, 360-
- 08-286 McCulloch, M.T., Wasserburg, G.J., 1978, Sm-Nd and Rb-Sr chronology of continental crust formation. Science, 200, 1003-
- 08-319 Shaw, D.M., 1978, Trace element behavior during anatexis in the presence of a fluid phase. Geochim et Cosmochim Acta, 42, 933-943.
- 08-321 Shaw, D.M., 1978, Trace element behavior during anatexis in the presence of a fluid phase. Geochim et Cosmochim Acta, 42, 933-943.
- 08-349 Presnall, D.C., Dixon, S.A., O'Donnell, T.H., Brenner, N.L., Schrock, R.L., Dycus, D.W., 1978, Liquidus phase relations on the join diopside-forsterite-anorthite from 1 atm to 20 kbar: their bearing on the generation and crystallization of basaltic magma. Contrib. Mineral. Petrol., 66, 203-220.
- 08-397 Oba, T., 1978, Phase relationship of Ca<sub>2</sub>M<sub>3</sub>Al<sub>2</sub>Si<sub>6</sub>Al<sub>2</sub>O<sub>22</sub>(OH)<sub>2</sub> - Ca<sub>2</sub>Mg<sub>3</sub>Fe<sub>23</sub>+Si<sub>6</sub>Al<sub>2</sub>O<sub>22</sub> (OH)<sub>2</sub> Join at high temperature and high pressure -the stability of tschermakite-. Jour. Fac. Sci., Hokkaido Univ., Ser. IV, 18, 339-350.
- 08-418 Sun, S.-S., Nesbitt, R.W., 1978, Geochemical regularities and genetic significance of ophiolitic basalts. Geology, 6, 689-693.
- 99Y-62 Gokcen, N. A., 1978, Critical comment. Water and magmas: clarification of a controversy on applications of the Gibbs-Duhem equation. Geochim. Cosmochim. Acta., 43, 637-641.
- 99-0255 Kuroda, Y., Suzuoki, T., Matsuo, S., Onuki, H., Murakami, N. and Kinugawa, T., 1978, D/H ratios of hornblende, epidote and white mica from some mafic metamorphic rocks in Japan. Geochim. J., 12, 213-221.
- 99-0395 Morioka, M. and Kigoshi, K., 1978, Lead isotopes in mantle derived xenoliths from Japan and South Africa. Geochim. J., 12, 223-228.
- 99-0599 Kushiro, I. and Sato, H., 1978, Origin of some calc-alkalic andesites in the Japanese Island. Bull. Volcanol., 41, 576-585.
- 99-0642 Machida, H. and Arai, F., 1978, Akahoya Ash-A Holocene widespread tephra erupted from the Kikai caldera, South Kyushu, Japan ( In Japanese, with English abstract). The Quaternary Reserch, 17, 143-163.
- 99-0671 Takahashi, E., 1978, Petrologic model of the crust and upper mantle of the Japanese Island arcs. Bull. Volcanol., 41, 529-547.
- 99-0673 Kaneoka, I., Masuda, J., Zashu, S., Takahashi, E. and Aoki, K., 1978, Ar and Sr isotopes of mantle-derived rocks from the Japanese Islands. Bull. Volcanol., 41, 424-433.
- 99-0846 Shibata, K., Ono, K., Hayasaka, S., Oki, K. and Yamamoto, M., 1978, K-Ar age of the Terukuni Pyroclastic flow underlying Kagoshima city, southern Kyushu (In Japanese, with English abstract). J. Geol. Soc. Japan, 84, 551-553.
- 99-0901 Aramaki, S. and Ui, T., 1978, List of geodynamic parameters of Quaternary volcanoes of Japan, Mariana, Kurile, and Kamchatka (preliminary). Contribution from Geodynamics Project of Japan Tectonophys., 47, 43-58.
- 99-1081 Hasegawa, A., Umino, N. and Takagi, A., 1978, Double-planed structure of the deep seismic zone in the northeast Japan arc. Geochim. Cosmochim. Acta, 42, 859-869.
- 99-1107 McCallum, I.S. and Charette, M.P., 1978, Zr and Nb partition coefficient: implications for the genesis of mare basalts, KREEP, and sea floor basalts. J. Res. U.S. Geol. Surv., 6, 459-465.
- 99-1137 Dodge, F.C.W. and Calk, L.C., 1978, Fusion of granodiorite by basalt, central Sierra Nevada. J. Res. U.S. Geol. Surv., 6, 459-465.
- 99-1304 Ui, T. and Aramaki, S., 1978, Relationship between chemical composition of Japanese island-arc volcanic rocks and gravimetric data. Tectonophys., 45, 249-259.
- 99-1384 Kanisawa, S., 1978, イオン電極を用いた珪酸岩石中のフッ素定量. 岩鉱, 73, 26-29.
- 99-1385 Kanisawa, S. and Aoki, K., 1978, 2,3 の新第三紀粗粒玄武岩岩床中のフッ素の挙動について. 岩鉱, 73, 78-81.
- 99-1394 Aramaki, S. and Ui, T., 1978, Major element frequency distribution of the Japanese Quaternary volcanic rocks. Bull. volcanol., 41, 390-407.
- 12-154 CHARLES H. LANGMUIR, ROBERT D. VOCKE, Jr., GILBERT N. HANSON and STANLEY R. HART, 1978, A GENERAL MIXING EQUATION WITH APPLICATIONS TO ICELANDIC BASALTS. Earth and Planetary Science Letters, 37, 380-392.
- 12-381 S. PAL, M. Lopez M., J. Perez R., D.J. Terrell, 1978, Chapter2: Geochemistry of magmas Magma Characterization of the Mexican Volcanic Belt (Mexico). Bull. Volcanol., 41, 379-389.
- 12-413 Daniel J. Fornari, Alexander Malahoff, Bruce C. Heezen, 1978, Volcanic structure of the crest of the Puna Ridge, Hawaii: Geophysical implications of submarine volcanic terrain. Geol. Soc. Amer. Bull., 89, 605-616.
- 12-420 A.W. HOFMANN and S.R. HART 1978, An assessment of local and regional isotopic equilibrium in the Mantle. Earth and Planetary Science Letters, 38, 44-62.
- 12-439 Roger G. Walker, 1978, Deep-water sandstone facies and ancient submarine fans: Models for exploration for stratigraphic traps. The American Association of Petroleum Geologists, 62, 932-966.
- 12-459 Roger G. Walker, 1978, Deep-water sandstone facies and ancient submarine fans: Models for exploration for stratigraphic traps. The American Association of Petroleum Geologists, 62, 932-966.
- 12-366 鈴木啓治、真鍋健一、吉田義、 1977、 会津盆地における後期新生代層の層位学的研究と会津盆地の発達史 地質学論集、 14、 17-4
- 12-371 鈴木啓治、真鍋健一、吉田義、 1977、 会津盆地における後期新生代層の層位学的研究と会津盆地の発達史 地質学論集、 14、 17-4
- 15-227 松本英二、横田節哉 1977、 底泥からみた東京湾の汚染の歴史、 地球化学、 11、 51-57.
- 02-0081 Ballard, R.D., and Andel, T.N., 1977, Project FAMOUS: operational techniques and American submersible operations. Geol. Soc. Amer. Bull. 88, 495-506.
- 02-0088 Heirtzler, J.R., and Andel, T.H., 1977, Project FAMOUS: Its origin, programs, and setting. Geol. Soc. Amer. Bull. 88, 481-487.
- 02-0093 Ballard, R.D., and van Andel, T.H., 1977, Morphology and tectonics of the inner rift valley at lat 36 50N on the Mid-Atlantic Ridge. Geol. Soc. Amer. Bull. 88, 507-530.
- 03-0059 Ballard, R.D., and Moore, J.G., 1977, Photographic atlas of the Mid-Atlantic ridge rift valley. Springer-Verlag, New York, 114 p.
- 06-1062 小野晃司, 松本徂夫, 宮久三千年, 寺岡易司, 神戸信和, 1977, 地域地質研究報告 5万分の1図幅 竹田地域の地質 地質調査所,
- 06-1117 Oshima, O., 1977, Occurrence of omega phase Fe-Ti oxide in a dacite from Haruna volcano. Earth Sci., and Contrib. Min. Petrol. 62, 179-191.
- 06-134 Bridgwater, D., Collerson, K.D., 1977, On the origin of early Archaean gneisses: a reply. Contrib. Min. Petrol. 62, 171-178.
- 06-135 Glikson, A.Y., 1977, On the origin of early Archaean gneisses. Contrib. Min. Petrol. 62, 171-178.
- 06-165 Negus, N.C., Berger, P.J., 1977, Experimental triggering of reproduction in a natural population of microtus montanus. Sci., 196, 1230-1231.
- 06-3085 Fisher, R.V., 1977, Erosion by volcanic base-surge density currents: U-shaped channels. GSA Bull., 88, 1287-1297.
- 07-103s Hawkesworth, C.J., O'Nions, R.K., Pankhurst, R.J., Hamilton, P.J., Evensen, N.M., 1977, A geochemical study of island-arc and back-arc tholeiites from the Scotia sea. Earth, Planet., Sci., Lett., 36, 253-262.



- 07-137s Maaloe, S., Aoki, K.-I., 1977, The major element composition of the upper mantle estimated from the composition of iherzolites. Contrib., Mineral., Petrol., 63, 161-173.
- 07-140s Minster, J.F., Minster, J.B., Treuil, M., Allegre, C.J., 1977, Systematic use of trace elements in igneous processes. Part II. Inverse problem of the fractional crystallization process in volcanic suites. Contrib., Mineral., Petrol., 61, 49-77.
- 07-141s Allegre, C.J., Treuil, M., Minster, J.-F., Albarede, F., 1977, Systematic use of trace element in igneous process. Part I: fractional crystallization processes in volcanic suites. Contrib., Mineral., Petrol., 60, 57-75.
- 07-225 Nakamura, K., 1977, Volcanoes as possible indicators of tectonic stress orientation - principle and proposal. J. Volcanol. Geother. Res., 2, 1-16.
- 08-040 Bonhommet, N., Beeson, M.H., Dalrymple, G.B., 1977, A contribution to the geochronology and petrology of the island of Lanai, Hawaii. Geol. Soc.Amer. Bull., 88, 1282-1286.
- 08-041 Fisher, R.V., 1977, Erosion by volcanic base-surge density currents: U-shaped channels. Geol. Soc.Amer. Bull., 88, 1287-1288.
- 08-116 Menzies, M., Blanchard, D., Brannon, J., Korotev, R., 1977, Rare earth geochemistry of fused ophiolitic and alpine iherzolites. II Beni Bouchera, Ronda and Lanzo. Contrib. Mineral. Petrol., 64, 53-74.
- 08-181 White,A.J.R., Chappell, B.W., 1977, Ultrametamorphism and granitoid genesis. Tectonophysics, 43, 7-22.
- 08-182 White,A.J.R., Chappell, B.W., 1977, Ultrametamorphism and granitoid genesis. Tectonophysics, 43, 7-22.
- 08-277 Wyllie, P.J., 1977, Crustal anatexis: an experimental review. Tectonophysics, 43, 41-71.
- 08-290 氏家治, 1977, カルク・アルカリ岩系火山岩類中の角閃石斑晶の化学組成. 岩鉱, 72, 85-93.
- 08-412 Toksoz, M.N., Bird, P., 1977, Modelling of temperatures in continental convergence zones. Tectonophysics, 41, 181-193.
- 10-370 Kazuaki Nakamura, 1977, Volcanoes as possible indicators of tectonic stress orientation - principle and proposal. Journal of volcanology and geothermal research, 2, 1-16.
- 99S-117 Komatsu, M., Tazaki, K. and Kuroda, Y., 1977, Ophiolite suite rocks in some ophiolite belts in Japan: Editions TECHNIP, Paris, 3-14.
- 99S-140 Brown, G. M. and Holland, J. G., 1977, Geochemistry of the Lesser Antilles volcanic island arc: Geochem. Cosmochem. 41, 785-801.
- 99-0287 Ishizaka, K., Yanagi, T. and Hayatsu, K., 1977, A strontium isotopic study of the volcanic rocks of the Myoko volcano group, Central Japan: Contrib. Mineral. Petrol., 63, 295-307.
- 99-0288 Sato, J., Sato, K. and Saito, N., 1977, <sup>137</sup>Cs in volcanic rocks: Geochem. J., 11, 49-52.
- 99-0396 Matsuhisa, Y., 1977, Isotope geochemistry of an island arc traverse: Geochem. J., 11, 107-109.
- 99-0613 Ishizaka, K. and Yanagi, T., 1977, K, Rb and Sr abundance and Sr isotopic composition of the Tanzawa granitic and associated gabbroic rocks, Japan: Low-potash island arc plutonic complex: Earth Planet. Sci. Lett., 33, 345-352.
- 99-0643 Kimbara, K., Shigeno, H. and Ono, K., 1977, <sup>14</sup>C-age of the Oura pyroclastic flow of the Satsuma-Iwojima (Kikai caldera), Kagoshima Prefecture-<sup>14</sup>C-ages of the Quaternary rocks associated with the geothermal activity in Japan. 4-( In Japanese, with English abstract): Bull. Geol. Surv. Japan, 28, 763-765.
- 99-0715 Arai, F., Machida, H. and Sugihara, S., 1977, Characteristics of the late Pleistocene marker-tephras of South Kanto, central Japan (In Japanese, with English abstract): The Quaternary Res., 16, 19-40.
- 99-1034 Aoki, K., 1977, Petrology of ultramafic and mafic inclusions in alkali basalt from Nakamura, Dogo, Oki Island (In Japanese, with English abstract): J.Japan.Assoc. Mineral. Petrol. Econ. Geol., 72, 75-84.
- 99-1151 Flood, R.H., Vernon, R.H., Shaw, S.E. and Chappell, B.W., 1977, Origin of pyroxene-plagioclase aggregates in a rhyodacite: Contrib. Mineral. Petrol., 60, 299-309.
- 99-1203 Kobayashi, T., Iwamatsu, A. and Tsuyuki, T., 1977, Volcanic geology og the Aira Caldera wall and slop disasters which recently occurred on it (In Japanese, with English abstract): 鹿児島大理紀要[地学・生物), 10, 53-73.
- 99-1376 Farzaneh, A. and Troll, G., 1977, Pyrohydrolysis for the rapid determination of small and large amounts of fluorine in fluorides, silicate minerals and rocks using an ion-selective electrode: Geochem. J., 11, 177-181.
- 99-1386 Fuge, R., 1977, On the behaviour of fluorine and chlorine during magma differentiation: Contrib. Mineral. Petrol., 61, 245-249.
- 12-386 Shigeo Togashi, 1977, PETROLOGY OF OSORE-YAMA VOLCANO, JAPAN(in Japanese) Jour. Japan. Assoc. Min. Pet. Econ. Geol., 72, 45-60.
- 12-427 D. J. DePaolo and G. J. Wasserburg 1977, THE SOURCES OF ISLAND ARCS AS INDICATED <sup>137</sup>Nd AND Sr ISOTOPIC STUDIES Geophysical Research Letters, 4, 465-468.
- 12-b046 松本英二、横田節哉 1977, 底泥からみた東京湾の汚染の歴史。地球化学、11、51-57.
- 13-016 松井和典・鎌田泰彦・倉沢一, 1977, 「富江」図幅地域の地質。地域地質研究報告書5万分の地質調査所、31p.
- 12-374 早津賢二 1976, 妙高火山・第III期の活動とその噴出物—妙高火山群の地質記載・その2— 第四紀研究、15、11-
- 12-375 早津賢二 1976, 飯縄火山の地質—妙高火山群の地質記録・その3。 第四紀研究、15、55-
- 12-414 A.T. ANDERSON, 1976, Magma mixing: petrological process and volcanological tool. Journal of volcanology and geothermal research, 1, 3-33.
- 00-0231 Houten, F.B. v., 1976, Late Cenozoic volcanoclastic deposits ADean foredeep, Colombia. Geol. Soc. Amer. Bull., 87, 481-495.
- 03-0102 Swanson, D.A., Duffield, W.A., and Fisk, R.S., 1976, Displacement of the south flank of Kilauea volcano: the result of forceful intrusion of magma into the rift zone U. S.Geol. Surv. Prof. Pap., 963 38
- 03-0103 Beeson, M. H., 1976, Petrology, mineralogy, and geochemistry of the east Molokai volcanic series, Hawaii. U. S.Geol. Surv. Prof. Pap., 961 52
- 06-1138 須藤定久 1976, 群馬県片品地域の地質。地質学論集 13, 228-
- 06-132 Bridgwater, D., Collerson, K.D., 1976, The major petrological and geochemical characters of the 3,600 m.y. Uivak Gneisses from Labrador. Contrib. Min. Petrol. 54, 43-59.
- 06-148 Sinha, A.K., 1976, Tectonic significance of the Th/U ratios from Archean basalts. Chemical Geol., 18, 215-225.
- 07-044 鹿島愛彦, 1976, 琉球弧における仏像構造線について。琉球列島の地質学研究, 1, 43-54.
- 07-046 Honza, E., (ed.) 1976, Ryukyu island (Nansei-shoto) arc GH 75-1 and GH 75-5 Cruise Geol. Surv. of Japan, Cruise report, 6, 81p
- 07-060 本座栄一, 乗船研究者一同, 1976, 琉球島弧 白嶺丸GH75-1次, GH75-5次航海の調査結果。琉球列島の地質学研究, 1, 153-
- 07-124s Eggler, D. H., 1976, Does CO2 cause partial melting in the low-velocity layer of the Geol., 4, 69-72.
- 07-153s Helz, R.T., 1976, Phase relations of basalts in their melting ranges at P H2O = 5 kb. Part II. Melt compositions. J. Petrol., 17, 139-193.
- 07-158s Green, T.H., 1976, Experimental generation of cordierite- or garnet-bearing granitic liquids from a pelitic composition Geology, 4, 85-88.
- 07-172s Edgar, A.D., Gren, D.H., Hibberson, W.O., 1976, Experimental petrology of a highly potassic magma. J. Petrol., 17, 339-356.

- |         |  |       |  |   |   |            |
|---------|--|-------|--|---|---|------------|
| 08-019  | Lowe, D.R.,  | 1976, | Grain flow and grain flow deposits.  | J. Sedi.Petrol.,  | 46,   | 188-199.   |
| 08-064  | Middleton, G.V., Hampton, M.A.,                          | 1976, | Subaqueous sediment transport and deposition by sediment gravity flows.  | in Marine sediment transport and environmental Management, (Ed. D.J., Stanley, D.J.P., Swift, | Wiley, New York,                            | 197-218.   |
| 08-177  | Taylor,Jr. H.P., Turi, B.,                               | 1976, | High-180 igneous rocks from the Tuscan magmatic province, Italy.   | Contrib. Mineral. Petrol.,  | 55,   | 33-54.     |
| 08-179  | Taylor,Jr. H.P., Turi, B.,                               | 1976, | High-180 igneous rocks from the Tuscan magmatic province, Italy.   | Contrib. Mineral. Petrol.,  | 55,   | 33-54.     |
| 08-255  | Vollmer, R.,   | 1976, | Rb-Sr and U-Th-Pb systematics of alkaline rocks: the alkaline rocks from Italy.  | Geochim et Cosmochim Acta,  | 40,   | 283-295.   |
| 08-273  | Hoffer, E.,  | 1976, | Stability of hornblende and a model for the low velocity zone.   | Contrib. Min. Petrol.,  | 55,   | 127-130.   |
| 08-291  | Ujike, O.,   | 1976, | Phnocrystic hornblendes from Tertiary andesites and dacites, Kagawa prefecture, Japan.   | J.Japan. Assoc. Min. Petr. Econ. Geol.,   | 71,   | 389-399.   |
| 08-295  | Caethorn, R.G., O'Hara, M.J.,                            | 1976, | Amphibole rfraction in calc-alkaline magma genesis.  | Amer. Jour. Sci.,   | 276,  | 309-329.   |
| 08-296  | Caethorn, R.G., O'Hara, M.J.,                            | 1976, | Amphibole rfraction in calc-alkaline magma genesis.  | Amer. Jour. Sci.,   | 276,  | 309-329.   |
| 08-299  | Peccerillo, A., Taylor, S.R.,                            | 1976, | Geochemistry of Eocene calc-alkaline volcanic rocks from the Kastamonu area, Northern Turkey.                                  | Contrib. Mineral. Petrol.,  | 58,   | 63-81.     |
| 08-305  | Gladney, E.S., Owens, J.W., Starner, J.W.,               | 1976, | Determination of Uranium in natural waters by neutron activation analysis.   | Ana. Chimi.,  | 48,   | 973-975.   |
| 08-312  | Scott, R.H., Strasheim, A.,                              | 1976, | The determination of uranium in rocks by inductively coupled plasma-optical emission spectrometry.                             | Ana. Chimi.,  | 82,   | 67-77.     |
| 10-264  | 早坂 祥三**・大木 公彦**・大塚 裕之**・東川 勢二**                          | 1976, | 鹿兒島湾口部の海底地形と底質 (鹿兒島湾の地質学的研究-II*)   | 鹿兒島大学理学部紀要(地学・生物学),   | 9,  | 41-51.     |
| 99S-133 | Francis, D. M.,  | 1976, | The origin of Amphibole in Lherzolite xenoliths from Nunivak island, Alaska:   | J. Petrol.,   | 17,   | 375-378.   |
| 99S-146 | Thorpe, R. S., Potts, P. J. and Francis, R. W.,          | 1976, | Rare earth data and petrogenesis of andesite from the North Chilean Andes:   | Contrib. Mineral. Petrol.,  | 54,   | 65-78.     |
| 99S-172 | Winchester, J. A. and Floyd, P. A.,                      | 1976, | Geochemical magma type discrimination: Application to altered and metamorphosed basic igneous rocks:                           | Earth Planet. Sci. Lett.,   | 28,   | 459-469.   |
| 99Y-148 | Erlank, A. j. and Kable, E. J. D.,                       | 1976, | The significance of incompatible elements in Mid-Atlantic Ridge Basalts from 45° N with particular reference to Zr/Nb:         | Contrib. Mineral. Petrol.,  | 54,   | 281-291.   |
| 99-0557 | Ota, R.,   | 1976, | Chemical composition of Kakuto andesites and Kakuto welded tuff (In Japanese, with English abstract):                          | Bull. Geol. Surv. Japan,  | ?   | 73-79.     |
| 99-0761 | Kubodera, A., Mitsunami, T., Satomura, M. and Inoue, M., | 1976, | 中部九州地区における重力測定値の収集と精密重力異常図の作成:   | 自然災害資料解析,   | 3,  | 45-53.     |
| 99-0769 | Hatae, N.,   | 1976, | Tectonic development of Omura Bay and the surrounding area, west Kyushu, Japan (In Japanese, with English abstract):           | 鹿兒島大理学部紀要(地学・生物学),  | 9,  | 21-40.     |
| 99-0843 | Aramaki, S. and Ui, T.,                                  | 1976, | 9. 南九州の火砕流堆積物一珉晶鉱物のCa-Mg-Fe 比による対比一  | Bull. Earthq. Res. Inst.,   | 51,   | 151-182.   |
| 99-0928 | Peccerillo, A. and Taylor, S.R.,                         | 1976, | Geochemistry of Eocene calc-alkaline volcanic rocks from the Kastamonu Area, Northern Turkey:                                  | Contrib. Mineral. Petrol.   | 58,   | 63-81.     |
| 99-1150 | Arculus R.J.,  | 1976, | Geology and geochemistry of the alkali basalt-andesite association of Grenada, Lesser Antilles island arc:                     | Geol. Soc. Amer. Bull.,   | 87,   | 612-624.   |
| 99-1221 | Kennett, J.P. and Thunell, R.C.,                         | 1976, | On explosive Cenozoic volcanism and climatic implication:  | Science,  | 196,  | 1231-      |
| 99-1310 | Huichison, C.S.,   | 1976, | Indonesian active volcanic arc: K, Sr, and Rb variation with depth to the Benioff zone:  | Geology,  | 4,  | 407-408.   |
| 12-410  | D. J. DePaolo and G. J. Wasserlrmg                       | 1976, | Nd isotopic variations and prtogenetic models.   | Geophysical Research  | 3,  | 249-252.   |
| 12-421  | D. J. DePaolo and G. J. Wasserlrmg                       | 1976, | Inferences about magma sources and mantle structure from variations of 143Nd/144Nd.  | Geophysical Research Letters,   | 3,  | 743-746.   |
| 12-422  | D. J. DePaolo and G. J. Wasserlrmg                       | 1976, | Inferences about magma sources and mantle structure from variations of 143Nd/144Nd.  | Geophysical Research Letters,   | 3,  | 743-746.   |
| 15-071  | 金容義、北野国典、佐藤和志  | 1975, | 九州西方海域、下甌島西方、孫七海丘の第三紀花崗岩   | 地質学雑誌、81、   |   | 1-9.       |
| 00-0092 | Honnorez, J. and Kirst, P.,                              | 1975, | Submarine basaltic volcanism: morphometric parameters for discriminating hyaloclastites from hyalotuffs.                       | Bull Volcanol.,   | 39,   | 1-25.      |
| 00-0096 | Hsu, K.J.,   | 1975, | Catastrophic debris streams (sturzstroms) generated by rockfalls.  | Geol. Soc. Amer. Bull.,   | 86,   | 129-140.   |
| 00-0223 | Bouma, A.H.,   | 1975, | 15. Deep-sea fan deposits from Toyama trough, Sea of Japan.  | In: D.E. Karig, J.C. Ingle, Jr., et al., Initial Reports of the deep sea drilling project,    | U.S. Government Printing Office, Washington | 489-505.   |
| 00-0224 | Bouma, A.H.,   | 1975, | 14. Sedimentary structures of Philippine Sea and Sea of Japan sediments, DSDP Leg 31.  | In: D.E. Karig, J.C. Ingle, Jr., et al., Initial Reports of the deep sea drilling project,    | U.S. Government Printing Office, Washington | 471-488.   |
| 02-0084 | Moore, J. G.,  | 1975, | Mechanism of formation of pillow lava.   | Amer.Sci.   | 63,   | 269-277.   |
| 07-101s | Dickinson, W.R.,   | 1975, | Potash-Depth (k-h) relations in continental margin and intra-oceanic magmatic arcs.  | Geol.,  | 3,  | 53-56.     |
| 07-109F | Darke, M.J., Weill, D.F.,                                | 1975, | Partition of Sr, Ba, Ca, Y, Eu2+, Eu3+, and other REE between plagioclase feldspar and magmatic liquid: an experimental study. | Geochem. Cosmochem. Acta.,  | 39,   | 689-712.   |
| 07-125F | Condie, K.C., Hayslip, D.L.,                             | 1975, | Young bimodal volcanism at Medicine Lake volcanic center, northern California.   | Geochem. Cosmochem. Acta.,  | 39,   | 1165-1178. |
| 07-143s | Masuda, A., Nagasawa, S.,                                | 1975, | Rocks with negative cerium anomalies, dredged from Shatsky Rise.   | Geochem. J.,  | 9,  | 227-233.   |
| 07-144s | Burnham, C.W.,   | 1975, | Water and magmas: a mixing model.  | Geochem. Cosmochem. Acta.,  | 39,   | 1077-      |
| 07-144s | Masuda, A., Nagasawa, S.,                                | 1975, | Rocks with negative cerium anomalies, dredged from Shatsky Rise.   | Geochem. J.,  | 9,  | 227-233.   |
| 07-146s | Masuda, A.,  | 1975, | Abundances of monoisotopic REE, consistent with the Leedy chondrite values.  | Geochem. J.,  | 9,  | 183-184.   |
| 07-149F | Eichelberger, J.C.,                                      | 1975, | Origin of andesite and dacite: evidence of mixing at Glass mountain in Clifornia and at other circum-Pacific volcanoes,        | GSA Bull.,  | 86,   | 1381-1391. |

- 07-159F Ewart, A., Hildreth, W., Carmichael, I.S.E., 1975, Quaternary acid magma in New Zealand. Contrib., Mineral., Petrol., 51, 1-27.
- 08-216 荒巻重雄, 1975, 噴火現象の分類とメカニズム. 火山 第2集, 20, 205-221.
- 08-264 Merrill, R.B., Wyllie, P.J., 1975, Kaersutite and Kaersutite eclogite from Kakanui, New Zealand-Water-excess and water-deficient melting to 30 kilobars. Geol. Soc. Amer. Bull., 86, 555-570.
- 08-268 Stern, C.R., Huang, W.-L., Wyllie, P.J., 1975, Basalt-andesite rhyolite-H<sub>2</sub>O: crystallization intervals with excess H<sub>2</sub>O and H<sub>2</sub>O-undersaturated liquidus surfaces to 35 kilobars, with implications for magma genesis. Earth Planet. Sci. Lett., 28, 189-196.
- 08-283 Walker, R.G., 1975, Generalized facies models for resedimented conglomerates of turbidite association. Geol. Soc. Amer. Bull., 86, 737-748.
- 08-288 Ujike, O., 1975, Petrogenetic significance of normative corundum in calc-alkaline volcanic rock series. J. Japan. Assoc. Min. Petr. Econ. Geol., 70, 85-92.
- 99S-12 Ludwig, W. J., Murauchi, S. and Houtz, R. E., 1975, Sediments and structure of the Japan Sea. Geol. Soc. Amer. Bull., 86, 651-664.
- 99S-148 Fyfe, W. S. and McBirney, A. R., 1975, Subduction and the structure of andesitic volcanic belts. Amer. J. Sci., 275-A, 285-297.
- 99-0380 Fujimaki, H., 1975, Rare earth elements in volcanic rocks from Hakone volcano and Northern Izu peninsula, Japan. Jour. Fac. Sci., Univ. Tokyo, Sec. II, 19, 81-93.
- 99-0644 Ono, K. and Soya, T., 1975, Geology of Takeshima and Iojima islands, kikai caldera (In Japanese). Bull. volcanol. Soc. Japan, 20, 185-186.
- 99-0669 Yamamoto, H. and Teshima, M., 1975, On the so-called amphibolite from Sasaguri district, Fukuoka Prefecture (In Japanese, with English abstract). J. Japan. Assoc. Mineral. Petrol. Econ. Geol., 70, 225-235.
- 99-0676 de Vore, G.W., 1975, The role of partial melting of metasediments in the formation of the anorthosite-norrite-syenite complex, Laramie Range, Wyoming. J. Geology, 83, 749-762.
- 99-0755 DeLong, S.E., Hodges, F.N. and Arculus, R.J., 1975, Ultramafic and mafic inclusions, Kanaga Island, Alaska, and the occurrence of alkaline rocks in island arcs. J. Geology, 83, 721-736.
- 99-0788 Fujino, T. and Yamasaki, T., 1975, Petrological study on the Unzen volcanic rocks and Their inclusions (In Japanese, with English abstract). 九大生産研報, 62, 63-80.
- 99-0960 Tagiri, M., Onuki, H. and Yamazaki, T., 1975, Mineral parageneses of agillaceous xenoliths in andesitic rocks from the Nijo-san and Amataki-yama districts, southwest Japan. J. Japan. Assoc. Min. Petr. Econ. Geol., 70, 305-314.
- 99-0961 Murakami, N., 1975, High-grade metamorphic inclusions in Cenozoic volcanic rocks from West Sanin, Southwest Japan. J. Japan. Assoc. Min. Petr. Econ. Geol., 70, 424-446.
- 99-0986 Murakami, N., 1975, High-grade metamorphic inclusions in Cenozoic volcanic rocks from West Sanin, Southwest Japan. J. Japan. Assoc. Min. Petr. Econ. Geol., 70, 424-446.
- 99-1108 Ewing, R.C., 1975, Alteration of metamict, rare-earth, AB<sub>2</sub>O<sub>6</sub>-type Nb-Ta-Ti oxides. Geochim. Cosmochim. Acta, 39, 521-530.
- 99-1155 Stewart, D.C., 1975, Crystal clots in calc-alkaline andesites as breakdown products of high-Al amphiboles. Contrib. Mineral. Petrol., 53, 195-204.
- 99-1311 Miyashiro, A. and Shido, F., 1975, Tholeiitic and calc-alkalic series in relation to the behaviors of titanium, vanadium, chromium, and nickel. Amer. Jour. Sci., 275, 265-277.
- 99-1335 Dickinson, W.R., 1975, Potash-depth (K-h) relations in continental margin and intra-oceanic magmatic arcs. Geology, 3, 53-56.
- 99-1354 Notsu, K. and Mabuchi, H., 1975, The samarium-neodymium chronology of chondrites. Geochem. J., 9, 97-106.
- 12-133 YOSHIMORI HONKURA 1975, Partial melting and electrical conductivity anomalies beneath the Japan and Philippine seas. Physics of the Earth and Planetary Interiors, 10, 128-134.
- 12-378 Osamu OSHIMA 1975, Mineralogical aspects of volcanic eruption (in Japanese). 火山第2集, 20, 275-298.
- 06-1108 Miyashiro, A., 1974, Volcanic rock series in island arcs and active continental margins. Am. J. Sci., 274, 321-355.
- 07-122s Fujii, T., 1974, Crystal settling in a sill. Lithos, 7, 133-137.
- 07-136s Maury, R.C., Bizouard, H., 1974, Melting of acid xenoliths into a basanite: An approach to the possible mechanisms of crustal contamination. Contrib., Mineral., Petrol., 48, 275-286.
- 07-156F Ernst, W.G., 1974, Metamorphic and ancient continental margins. In Geology of continental margins (C. A. Burk y C. L. Drake, eds.) 907-919.
- 08-238 小野晃司, 渡辺一徳, 1974, Aso-2 火砕流堆積物の二次流動. 火山 第2集, 19, 93-110.
- 08-322 Sleep, N.H., 1974, Segregation of magma from a mostly crystalline mush. Geol. Soc. Amer. Bull., 85, 1225-1233.
- 99-0075 Chappell, B. W. and White, A.J.R., 1974, Two contrasting granite types. Pacific Geology, 8, 173-174.
- 99-0596 Shibata, K. and Adachi, M., 1974, Rb-Sr whole-rock ages of Precambrian metamorphic rocks in the Kamiaso conglomerate from central Japan. Earth Planet. Sci. Lett., 21, 277-287.
- 99-0679 Ueno, N., Kaneoka, I. and Ozima, M., 1974, Isotopic ages and strontium isotopic ratios of submarine rocks in the Japan Sea. Geochem. J., 8, 157-164.
- 99-0757 Karig, D.E., 1974, Evolution of arc systems in the western Pacific. Annu. Rev. Earth Planet. Sci., 2, 51-75.
- 99-0999 Tanaka, T., 1974, Rare earth elements in a gabbroic body of the Japanese Paleozoic geosyncline. Geochem. J., 8, 47-60.
- 99-1118 Uyeda, S. and Miyashiro, A., 1974, Plate tectonics and the Japanese islands: a synthesis. Geol. Soc. Am. Bull., 85, 1159-1170.
- 99-1140 Le Maitre, R.W., 1974, Partially fused granite blocks from Mt. Elephant, Victoria, Australia. J. Petrol., 15, 403-412.
- 99-1358 Miyashiro, A., 1974, Classification, characteristics, and origin of ophiolites. J. Geology, 83, 249-281.
- 99-1383 Anderson, A.T., 1974, Chlorine, sulfur, and water in magmas and oceans. Geol. Soc. Amer. Bull., 85, 1485-1493.
- 12-124 J. KUSHIRO 1974, Melting of hydrous upper mantle and possible generation of andesitic magma: an approach from synthetic systems. Earth and Planetary Science Letters, 22, 294-299.
- 12-129 E. C. SBDIONS, D. II. LINDSLEY, and J. J. PAPIKE 1974, Phase relations and crystallization sequence in a contact-metamorphosed rock from the Gunflint iron formation, Minnesota. Jour. Petrol., 15, 539-565.
- 15-191 G. Hulme, 1974, The Interpretation of Lava Flow Morphology. Geophys. J. K. astr. Soc. 39, 361-383.
- 00-0112 Moore, J.G., Phillips, R. L., Grigg, R. W., Peterson, D. W. and Swanson, D. A., 1973, Flow of lava into the sea, 1969-1971, Kilauea Volcano, Hawaii. Geol. Soc. Amer. Bull., 84, 537-546.
- 00-0206 Moore, J.G. and Schilling, J.-G., 1973, Vesicles, water, and sulfur in Reykjanes ridge basalts. Contrib. Min. Petrol., 41, 105-118.
- 06-1111 Aramaki, S., Katsui, T., 1973, Petrology and liquidus temperature of the magma of the 1970 eruption of Akita-Komagatake volcano, Northeastern Japan. J. Japan. Assoc. Min. Petr. Econ. Geol., 68, 101-124.
- 06-158 Mehnert, K.R., Busch, W., Berlin, G.S., 1973, Initial melting at grain boundaries of quartz and feldspar in gneisses and granulites. N. Jahrbuch f. Mineralogie. Monatshefte, 165-

- 07-095s Egglar, W.H., Burnham, W., 1973, Crystallization and fractionation trends in the system andesite-H<sub>2</sub>O-CO<sub>2</sub>-O<sub>2</sub> at pressures to 10 kb. Geol. Soc. Amer. Bull., 84, 2517-2532.
- 07-139s Mehnert, K.R., Busch, W., Berlin, G. S., 1973, Initial melting at grain boundaries of quartz and feldspar in gneisses and granulites. N. Jb. Miner. Mh., 4, 165-183.
- 07-145s Masuda, A., Nakamura, N., Tanaka, T., 1973, Fine structures of mutually normalized rare-earth patterns of chondrites. Geochim. Cosmochim. 37, 239-248.
- 07-152s Helz, R. T., 1973, Phase relations of basalts in their melting range at P H<sub>2</sub>O = 5 kb as a function of oxygen fugacity. J. Petrol., 14, 249-302.
- 07-161F Ewart, A., Bryan, W.B. and Gill, J.B. 1973, Mineralogy and Geochemistry of the Younger Volcanic Islands of Tonga, S. W. Pacific. J. Petrol., 14, 429-465.
- 07-173s Green, D.H., 1973, Conditions of melting of basanite magma from garnet peridotite. Earth Planet. Sci. Lett. 17, 456-465.
- 08-259 Stern, C.R., Wyllie, P.J., 1973, Melting relations of basalt-andesite-rhyolite-H<sub>2</sub>O and a pelagic red clay at 30 kb. Contrib. Min. Petrol., 42, 313-323.
- 08-261 Huang, W.L., Wyllie, P.J., 1973, Melting relations of muscovite-granite to 35 kbar as a model for fusion of metamorphosed subducted oceanic sediments. Contrib. Min. Petrol., 42, 1-14.
- 08-350 Presnall, D.C., Bateman, P.C., 1973, Fusion relations in the system NaAlSi<sub>3</sub>O<sub>8</sub>-CaAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>-KAlSi<sub>3</sub>O<sub>8</sub>-SiO<sub>2</sub>-H<sub>2</sub>O and generation of granitic magmas in the Sierra Nevada batholith. Geol. Soc. Amer. Bull., 84, 3181-3202.
- 08-409 Nicholla, I.A., Ringwood, A.E., 1973, Effect of water on olivine stability in tholeiites and the production of silica-saturated magmas in the island-arc environment. Jour. Geology, 81, 285-300.
- 99S-151 Spooner, E. T. C., Fyfe, W. S., 1973, Sub-sea-floor metamorphism, heat and mass transfer. Contrib. Mineral. Petrol., 42, 287-304.
- 99S-152 Church, S. E. and Tilton, G. R., 1973, Lead and strontium isotopic studies in the Cascade mountains: Bearing on andesite genesis. Geol. Soc. Amer. Bull., 84, 431-454.
- 99S-26 Rodnikov, A. G., 1973, The earth's crust in the northwestern part of the pacific mobile belt. Tectonophys., 20, 105-114.
- 10-552 J.A. Pearce, J.R. Cann, 1973, Tectonic setting of basic volcanic rocks determined using trace element analyses. Earth and Planetary Science Letters, 19, 290-300.
- 99-0300 Kistler, R.W. and Peterman, Z.E., 1973, Variations in Sr, Rb, K, Na, and Initial Sr87/ Sr86 in Mesozoic granitic rocks and intruded wall rocks in central California. Geol. Soc. Am. Bull., 84, 3489-3512.
- 99-0393 Miyazaki, A., Sato, K. and Saito, N., 1973, Lead isotopes of granitic rocks from the Hida metamorphic belt and some isotopic features of igneous rocks in Japan. Geochem. J., 7, 231-244.
- 99-0394 Miyazaki, A., Sato, K. and Saito, N., 1973, Lead isotopic studies of metamorphic and sedimentary rocks from the Hida metamorphic terrain, Japan. Geochem. J., 6, 105-116.
- 99-0645 Ui, T. , 1973, Exceptionally far-reaching, thin pyroclastic flow in Southern Kyushu, Japan (In Japanese, with English abstract). Bull. volcanol. Soc. Japan, 18, 153-168.
- 99-0905 Cole, J.W., 1973, High-alumina basalts of Taupo Volcanic Zone, New Zealand. Lithos, 6, 53-64.
- 99-0990 Aoki, K. and Shiba, I., 1973, Pargasites in lherzolite and websterite inclusions from Itinome-gata, Japan. J. Japan. Assoc. Min. Petr. Econ. Geol., 68, 303-310.
- 99-1193 Carr, M.J., Stoiber, R.E. and Darke, C.L., 1973, Discontinuities in the deep seismic zones under the Japanese arcs. Geol. Soc. Amer. Bull., 84, 2917-2930.
- 99-1344 Notsu, K., Mabuchi, H., Yoshioka, O. and Ozima, M., 1973, 147Sm-143Nd dating of a Roberts Victor eclogite. Geochem. J., 7, 51-54.
- 99-1372 Akaiwa H. and Aizawa, S., 1973, Behavior of fluorine during sedimentary processes - fluorine contents of sedimentary rocks from Tomioka southern Gunma Prefecture, Japan. Geochem. J., 7, 1-9.
- 15-061 Colin W. Clark 1973, The Economics of Overexploitation Science, 181, 630-634
- 12-376 早津賢二 1972, 妙高火山群一黒姫・妙高火山の形成史を中心として一 (II) 地球科学, 26, 91-102.
- 12-377 早津賢二 1972, 妙高火山群一黒姫・妙高火山の形成史を中心として一 (I) 地球科学, 26, 47-57.
- 00-0006 Fabbi, B.P. and Expos, L.F., 1972, X-ray fluorescence determination of chlorine in standard silicate rocks. Applied Spectroscopy, 26, 293-295.
- 02-0123 Jackson, E.D., Silver, E.A., and Dalrymple, G. B., 1972, Hawaiian-Emperor chain and its relation to Cenozoic circumpacific tectonics. Geol. Soc. Amer. Bull., 83, 601-618.
- 03-0095 Anderson, A.T., and Wright, T.L., 1972, Phenocrysts and glass inclusions and their bearing on oxidation and mixing of basaltic magmas, Kilauea volcano, Hawaii. Amer. Min., 57, 188-216.
- 06-1139 矢内桂三, 1972, 足尾山地北部の後期中生代酸性火成岩類 その1. 地質 岩石鉱物鉱床学会誌 67, 193-202.
- 07-166F Holloppway, J.R., Burnham, W., 1972, Melting relations of basalt with equilibrium water pressure less than total pressure. J. Petrol., 13, 1-29.
- 08-410 Nicholls, I.A., Ringwood, A.E., 1972, Production of silica-saturated tholeiitic magmas in island arcs. Earth Planet. Sci., Lett., 17, 243-246.
- 99-0451 Ragan, D.M. and Sheridan, M.F., 1972, Compaction of the Bishop Tuff, California. Geol. Soc. Am. Bull., 83, 95-106.
- 99-0714 Miyamachi, M. 1972, Pyroclastic flow in Izumi city, south Kyushu (In Japanese, with English abstract). 九大教養地研報, 17, 35-41.
- 99-0759 Karig, D.E., 1972, Remnant arcs. Geol. Soc. Am. Bull., 83, 1057-1068.
- 99-0931 Aramaki, S., Hirayama, K. and Nozawa, T., 1972, Chemical composition of Japanese granites, part 2. Variation trends and average composition of 1200 analyses. J. Geol. Soc. Japan, 78, 39-49.
- 99-0976 Aoki, K. and Kuno, H., 1972, Gabbro-quartz diorite inclusions from Izu-Hakone region, Japan. Bull. Volcanol., 36, 164-173.
- 99-1382 Kilinc, I.A. and Burnham, C.W., 1972, Partitioning of Chloride between a silicate melt and coexisting aqueous phase from 2 to 8 kilobars. Economic Geol., 67, 231-235.
- 12-137 P. Jakes, A.J.R. White, 1972, Major and Trace element abundances in volcanic rocks of orogenic areas. Geol. Soc. Amer. Bull., 83, 29-40.
- 12-150 IKUO KUSHIRO 1972, Effect of Water on the Composition of Magmas Formed at High Pressures. Jour. Petrol., 13, 311-334.
- 12-436 A. T. ANDERSON, THOMAS L. Wm on 1, 1972, Phenocrysts and glass inclusions and their bearing on oxidation and mixing of basaltic magmas, Kilauea volcano, Hawaii. American Mineralogist, 57, 188-216.
- 00-0205 Moore, J. G. and Fabbi, B. P., 1971, An estimate of the Juvenile sulfur content of basalt. Contrib. Min. Petrol., 33, 118-127.
- 02-0142 Moore, J.G., Cristofolini, R., and Lo Giudice, A., 1971, development of pillows on the submarine extension of recent lava flows, mount Etna, Sicily. U.S. Geol. Surv. Prof. Pap., 750 C89-C97.
- 03-0002 Moore, J.G., and Calk, L., 1971, Sulfid spherules in vesicles of dredged pillow basalt. Amer. Min., 56, 476-488.
- 03-0080 Wright, T.L., 1971, Chemistry of Kilauea and Mauna Loa lava in space and time. U.S. Geol. Surv. Professional Paper, 735, 1-49.
- 07-166F Dickinson, W.R., 1971, Plate tectonic models of geosynclines. Earth Planet. Sci. Lett. 10, 165-174.
- 08-258 Robertson, J.K., Wyllie, P.J., 1971, Rock-water systems, with special reference to the water-deficient region. Amer. Jour. Sci., 271, 252-277.
- 99S-150 Irvine, T. N. and Baragar, R. A., 1971, A guide to the chemical classification of the common volcanic rocks. Can. J. Earth Sci., 8, 523-548.
- 99-0650 Nakamura, M., 1971, 開聞岳火山の岩石学的研究. J. Geol. Soc. Japan, 77, 359-364.

99-0712	Miyamachi, M.	1971,	Geological and petrological studies of the "Shirasu" in southern Kyushu, Japan:	Rep. Earth Sci., Dept. Gen. Educ. Kyushu Univ.,	16,	7-37.
99-0737	Ishibashi, K.,	1971,	Petrochemical study of basaltic rocks from Higashimatsuura and Ikutsukirijima district, Northern Kyushu, Japan (In Japanese, with English abstract):	九大研報〔地質〕	10,	177-221.
99-0758	Karig, D.E.,	1971,	Origin and development of marginal basins in the Western Pacific:	J. Geophys. Res.,	76,	2542-
99-0866	Aramaki, S.,	1971,	Hydrothermal determination of temperature and water pressure of the magma of Aira Caldera, Japan:	Am. Miner.,	56,	1760-1768.
99-0894	Ota, R.,	1971,	Geology of the Sendai district 1:50,000 Kagoshima (15) No. 80:	Geol. Surv. Japan,		27p.
99-0979	Aoki, K.,	1971,	Petrology of mafic inclusions from Itinome-gata, Japan:	Contrib. Mineral. Petrol.,	30,	314-331.
99-0989	Aoki, K.,	1971,	Petrology of mafic inclusions from Itinome-gata, Japan:	Contrib. Mineral. Petrol.,	30,	314-331.
99-1213	Ota, R.,	1971,	Geology of the Sendai area, Quadrangle series scale 1:50000, Kagoshima (15) No. 80 (In Japanese, with English abstract):	Geol. Surv. Japan,		30p.
99-1265	Morgan, W.J.,	1971,	Convection plumes in the lower mantle:	Nature,	230,	42-43.
12-654	G. P. L. WALKER * - R. CROASDALE	1971,	Characteristics of Some Basaltic Pyroclastics	Philosophical Transactions of the Royal Society, London, Series A,	310,	549-590.
12-370	守屋以智雄	1970,	赤城火山の形成史.	火山第2集、	15、	120-131.
00-0005	Fabbi, B.P. and Moore, W.J.,	1970,	Rapid X-ray fluorescence determination of sulfur in mineralized rocks from the Bingham Mining district, Uta.	Applied Spectroscopy,	24,	426-428.
00-0062	Jones, J.G. and Nelson, P.H.H.,	1970,	The flow of basalt lava from air into water-its structural expression and stratigraphic significance	Geol. Mag.,	107,	13-19.
00-0227	Mitchell, A.H.G.,	1970,	Facies of an early Miocene volcanic arc, Malekula island, New Hebrides.	Sedimentology,	14,	201-243.
06-131	Jakes,P., White, A.J.R.,	1970,	K/Rb ratios of rocks from island arcs.	Geochimica. et Cosmochimica. Acta.	34,	849-856.
06-3061	Fisher, R.V., Waters, A.C.,	1970,	Base surge bed forms in maar volcanoes.	Am. J. Sci.,	268,	157-180.
07-117s	Gill, J.B.,	1970,	Geochemistry of Viti Levu, Fiji, and its evolution as an island arc.	Contrib., Mineral., Petrol.,	27,	179-203.
07-118s	Jakes, P., Gill, J.,	1970,	Rare earth elements and the island arc tholeiitic series.	Earth Planet. Sci. Lett.	9,	17-28.
08-300	Philpotts, J.A., Schnetzler, C.C.,	1970,	Phenocryst-matrix partition coefficients for K, Rb, Sr, and Ba with applications to anorthosite and basalt genesis.	Geochim. Et Cosmochim. Acta.,	34,	307-322.
08-320	Shaw, D.M.,	1970,	Trace element fractionation during anatexis.	Geochim et Cosmochim	34,	237-243.
08-415	Miner, J.W., Toksoz, M.N,	1970,	Thermal regime of a downgoing slab.	Tectonophysics,	10,	367-390.
99S-136	Javoy, M., Fourcade, S. and Allegre, C. J.,	1970,	Graphical method for examination of 180/160 fractionations in silicate rocks:	Earth Planet. Sci. Lett.,	10,	12-16.
10-544	大塚裕之,	1970,	北西部九州有明海南部地域の更新—最新統の層序学的, 堆積学的研究.	鹿児島大学理学部紀要(地質・生物),	3,	35-65.
99-0450	Sheridan, M.F.,	1970,	Fuamolic mounds and ridges of the Bishop Tuff, California:	Geol. Soc. Am. Bull.,	81,	851-868.
99-0504	Jakeš, P. and Gill, J.,	1970,	Rare earth elements and the island arc tholeiitic series:	Earth Planet. Sci. Lett.,	9,	17-28.
99-0738	Ishibashi, K.,	1970,	Petrochemical study of basic and ultrabasic inclusions in basaltic rocks from Northern Kyushu, Japan:	Mem. Fac. Sci., Kyushu Univ., Ser. D. Geology,	20,	85-146.
99-0750	Otsuka, H.,	1970,	北西部九州有明海南部地域の更新—最新統の層序学的, 堆積学的研究	鹿児島大学理学部紀要(地学・生物学),	3,	35-65.
99-1199	Oki, K. and Hayasaka, S.,	1970,	Quaternary stratigraphy in the northern part of Kagoshima city (In Japanese, with English abstract):	鹿児島大理紀要〔地学・生物〕,	3,	67-92.
99-1341	Jakes, P. and Gill, J.,	1970,	Rare earth elements and the island arc tholeiitic series:	Earth Planet. Sci. Lett.,	9,	17-28.
12-153	S.R. HART, C.BROOKS, T.E. KROGH and G.L. DAVIS, D.NAVA	1970,	Ancient and modern volcanic rocks: a trace element model.	Earth and Planetary Science Letters,	10,	17-28.
12-406	William R. Normark,	1970,	Growth patterns of deep-sea fans.	The American Association of Petroleum Geologists Bull	54,	2170-2195.
12-456	William R. Normark,	1970,	Growth patterns of deep-sea fans.	The American Association of Petroleum Geologists Bull	54,	2170-2195.
12-561	Yosmo OJI* and HISASHI TAKESHITA	1970,	KERSANTITE INCLUSION IN A CALC-ALKALINE ANDESITE FROM NORTH YATSUGATAKE VOLCANO, CENTRAL JAPAN.	岩石鉱物鉱床学会誌	63,	1-15.
12-278	倉沢一・高橋清、	196 x	長崎県五島列島火山岩類の分化。	月例研究発表会講演要旨	77	811
12-336	田中康弘、清野政明、田沢賢太郎、赤羽俊朗	1 9 6 9、	伊豆大島の地震波速度と地下構造について。	火山 第2集、	1 4、	84-96.
12-337	荒巻重雄	1 9 6 9	カルデラ学説に関するいくつかの問題	火山 第2集、	1 4、	5 5 - 7
00-0207	Moore, J. G. and Fisk, R. S.,	1969,	Volcanic substructure inferred from dredge samples and Ocean-bottom photographs, Hawaii.	Geol. Soc. Amer. Bull.,	80,	1191-1202.
03-0078	Jones, J.G.,	1969,	Pillow lavas as depth indicators.	Amer. J. Sci.,	267,	181-195.
07-129s	Griffin, W.L., Murthy, V.R.,	1969,	Distribution of K, Rb, Sr and Ba in some minerals relevant to basalt genesis.	Geochim. Cosmochim.	33,	1389-
07-160s	Green, D.H., Hibberson, W.,	1969,	The instability of plagioclase in peridotite at high pressure.	Lithos,	3,	209-221.
08-287	Wasserburg, G.J., Papanassiou, D.A., Sanz, H.G.,	1969,	Initial strontium for a chondrite and determination of a metamorphism or formation interval.	Earth Planet. Sci. Lett.,	7,	33-43.
08-394	Osborn, E.F.,	1969,	The complementariness of organic andesite and alpine peridotite.	Geochim. et. Cosmochim.	33,	307-324.
10-442	露木利貞,	1969,	九州地方における温泉の地質学的研究(第5報)	鹿児島大学理学部紀要(地質・生物),	2,	85-101.
10-468	山本温彦, 山本英司, 上中博之, 大庭昇,	1969,	鹿児島県薩摩半島南西部, 野間半島および加世田—枕崎地域の地質.	鹿児島大学理学部紀要(地質・生物),	2,	15-25.
10-478	荒巻重雄,	1969,	口永良部島地質調査報告.	火山第2集,	14,	127-
99-0272	Kanou, H.	1969,	変成帯研究の最近の進歩	地質学論集	4,	1-2.
99-0273	Hayama, Y., Kizaki, Y., Aoki, K., Kobayashi, S., Toya, K. and Yamashita, N.,	1969,	The Joetsu metamorphic belt and its bearing on the geologic structure of the Japanese islands:	Memo. Geol. Soc. Japan.,	4,	61-82.
99-0274	総研阿武隈グループ,	1969,	阿武隈高原の複変成作用	地質学論集	4	83-98.
99-0275	Kuroda, Y. and Tazaki, K.,	1969,	変成帯の超塩基性岩類	地質学論集	4	99-108.
99-0397	Tatsumoto, M. and Knight, R.J.,	1969,	Isotopic composition of lead in volcanic rocks from central Honshu - with regard to basalt genesis:	Geochem. J.,	3,	53-86.

99-0398	Hedge, C.E. and Knight, R.J.,	1969,	Lead and strontium isotopes in volcanic rocks from northern Honshu, Japan:	Geochem. J.,	3,	15-24.
99-0549	Tsuyuki, T.,	1969,	Geological study of Hot springs in Kyushu, Japan (5) some hot springs in the Kagoshima graben, with special rference to thermal water reservoir (In Japanese, with English abstract) :	鹿児島大理学部紀要(地学・生物学),	2,	85-101.
99-0553	Aramaki, S.,	1969,	鹿児島県国分地域の地質と火砕流堆積物:	J. Geol. Soc. Japan,	75,	425-442.
99-0909	Watanabe, K. and Ono, K.,	1969,	阿蘇カルデラ西側, 大峰付近の地質	J. Geol. Soc. Japan,	75,	365-374.
99-0936	Yokoyama, I.,	1969,	Some remarks on caldera (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan,	14,	77-83.
99-0937	Aramaki, S.,	1969,	Some problems of the theory of caldera formation (In Japanese, with English abstract):	Bull. Volcanol. Soc. Japan,	14,	55-76.
99-1079	Kano, H.,	1969,	日本列島の基盤地質問題と爆破地震学:	地質雑,	75,	247-254.
99-1423	Moore, J.G. and Fisk, R.S.,	1969,	Volcanic substructure inferred from drege samples and ocean-bottom photographs, Hawaii.	G.S.A. Bull.,	80,	1191-1202.
12-123	IKUO KUSHIRO	1969,	The system forsterite-diopside-silica with and without water at high pressures.	Am. Jour. Sci. Schairer,	267-a	269-294.
12-215	HISASHI Kuno,	1969,	Pigeonite-bearing andesite and associated dacite from Asio, Japan.	Ameriacn Journal of Science, Schairer,	267-A	257-268.
12-442	R. Passege and R. Byramjee,	1969,	Grain-size image of clastic deposits.	Sedimentology,	13,	233-252.
02-0135	Suzuki, T.,	1968,	Settlement of volcanic cones.	Bull. Volc. Soc. Jap.,	13,	95-108.
06-1110	Murauchi et al.,	1968,	Crustal structure of the Philippin Sea.	J. Geophysis. Res.,	73,	3143-
06-1114	Geological Survey of Japan.	1968,	Geology of volcano Mt Fuji.	GSJ	pp	
07-100s	Dickinson, W.R.,	1968,	Circum-Pacific andesite types.	J. Geophys. Res.,	73,	2261-2266
07-138s	Mehnert, K.R.,	1968,	Chapter 2 Megascopic structure of migmatite.	Migmatites and the origin of granitic rocks,	Academic press,	7-342.
08-276	Lambert, I.B., wyllie, P.J.,	1968,	Stability of hornblende and a model for the low velocity zone.	Nature,	219,	1240-1241
99-0387	Kurasawa, H.,	1968,	Isotopic composition of lead and concentrations of uranium, thorium, and lead in volcanic rocks from Dogo of Oki isalands, Japan:	Geochem. J.,	2,	11-28.
99-0974	Takeshita, H. and Oji, Y.,	1968,	Hornblende gabbroic inclusions in the calc-alkaline andesites from the Northern district of Nagano Prefecture, Japan:	J. Japan. Assoc. Min. Petr. Econ. Geol.,	60,	1-73.
99-1048	The research group for explosion seismology	1968,	Crustal structure in the profile across the northeastern part of Honshu, Japan, as derived from explosion seismic observations. Paert 1. Observations of seismic waves generated from the off Kesenuma, the off Oga Peninsula and the Tutihata explosions:	Bull. earthq. Res. Inst.,	46,	529-605.
99-1049	Hashizume, M., Oike, K., Asano, S., Hamaguchi, H., Okada, A., Murauchi, S., Shima, E. and Nogoshi, M.,	1968,	Crustal structure in the profile across the northeastern part of Honshu, Japan, as derived from explosion seismic observations. Paert 2. crustal structure:	Bull. earthq. Res. Inst.,	46,	607-630.
99-1342	Dickinson, W.R.,	1968,	Circum-Pacific andesite types:	J.Geophys. Res.,	73,	2261-2266
12-122	I KUSHIRO, H. S YODER, JR., and M NISHIKAWA	1968,	Effect of water on the melting of enstatite.	Geol. Soc. Amer. Bull.,	79,	1685-1692.
12-145	Dan P. McKenzie, John G. Sclater,	1968,	heat flow inside the isalnd arcs of the northwestern Pacific.	Journal of Geophysical research,	73,	3173-3179.
12-162	H, KUNO	1968,	Origin of andesite and its bearing on the island arc structure.	Bull Volcanol,	32,	141-176.
12-163	H, KUNO	1968,	Origin of andesite and its bearing on the island arc structure.	Bull Volcanol,	32,	141-176.
12-335	Oide, K.,	1968,	Geotectonic conditions for the formation of the Krakatau-type calderas in Japan	Pacific Geology,	1,	119-135.
12-550	HISASHI TAKESHITA and Yosmo OJI	1968,	HORNBLLENDE GABBROIC INCLUSIONS IN THE CALC-ALKALINE ANDESITES FROM THE NORTHERN DISTRICT OF NAGANO PREFECTURE, JAPAN (I).	岩石鉱物鉱床学会誌	60,	1-26.
12-562	Hisashi Takeshita and Yoshio Oji,	1968,	Hornblende gabbroic inclusions in the calk-alkaline andesites from the northern district of Nagano prefecture, Japan (II).	岩石鉱物鉱床学会誌	60,	57-73.
16-164	Takasuke Suzuki,	1968,	Settlement of volcanic cones (火山体の荷重沈下)	火山第二集	13,	95-108.
12-373	三村弘二	1967,	黒富士火山の火山層序学的研究	地球科学,	21,	1-11
02-0141	Jones, J.G.,	1967,	clastic rocks of Espiritu Santo Island., New Hebrides.	Geol. Soc. Amer. Bull.,	78,	1281-1286
06-133	Payne, J.G., Shaw, D.M.,	1967,	K-Rb relations in the blue mountain nepheline syenite.	Earth Planet. Sci. lett.,	2,	290-292.
06-3090	Oide, M., Utida, S.,	1967,	Changes in watwer and ion transport in isolated intenstines of the eel during salt adaptation and migration.	Marine Biol.,	1,	102-106.
07-161s	Green, T.H., Ringwood, A.E.,	1967,	Crystallization of basalt and andesite under high pressure hydrous conditions.	Earth Planet. Sci. Lett.	3,	481-489.
08-398	Green, D.H., Rigwood, A.E.,	1967,	The genesis of basaltic magmas.	Contrib. Mineral. Petrol.,	15,	104-190.
10-353	PETER W LIPMAN	1967,	Mineral and Chemical Variations within an Ash-flow Sheet from Aso Caldera, Southwestern Japan	Contrib. Mineral. Petrol.,	16,	300-327.
10-481	土屋巖	1967,	偏西風の蛇行現象と日本の気候の動気候学的研究.	気象研究所改文	18,	27-76.
99-0647	Iwassaki, B. and Ono, K.,	1967,	The vertical distribution of chlorine in Aso pyroclastic flow deposit IIIA (In Japanese, with English abstract)	Bull. volcanol. Soc. Japan,	12,	1-10.
99-0648	Ueda, S.,	1967,	Terrestrial heat flow (In Japanese, with English abstract):	Bull. volcanol. Soc. Japan,	12,	41-59.
99-0649	Nakamura, M.,	1967,	On the volcanic products and history of Kaimon-dake volcano (In Japanese, with English abstract):	Bull. volcanol. Soc. Japan,	12,	119-131.
99-0875	Ui, T.,	1967,	鹿児島県指宿地方の地質	J. Geol. Soc. Japan,	73,	477-490.
99-0910	Lipman, P. W.,	1967,	Mineral and chemical variations within an ash-flow sheet from Aso caldera, Southwestern Japan:	Contrib. Mineral. Petrol.	16,	300-327.
99-1214	Ota, R.,	1967,	Geology of the Kajiki district, Quadrangle series scale 1:50000, Kagoshima (15) No. 81 (In Japanese, with English abstract):	Geol. Surv. Japan,		13p.
12-135	I. S. E. CARMICHAEL AND J. NICHOLLS	1967,	Iron-titanium oxides and oxygen fugacities in volcanic rocks.	Journal of Geophysical research,	72,	4665-4687.
00-0072	Fisher, R.V.,	1966,	Rocks composed of volcanic fragments and their classification	Earth-Sci. Rev.,	1,	287-298.

07-032	松本徹夫, 松本幡朗,	1966,	鹿児島県トカラ列島横当島の火山地質(I)	火山,	11,	72-83.
07-042	松本徹夫, 松本幡朗,	1966,	鹿児島県トカラ列島横当島の火山地質(II)	火山,	11,	105-111
08-407	Ringwood, A.E., Green, D.H.,	1966,	An experimental investigation of the gabbro-eclogite transformation and some geophysical implications.	Tectonophysics,	3,	383-427.
99-0385	Tatsumoto, M.,	1966,	Isotopic composition of lead in volcanic rocks from Hawaii, Iwo Jima, and Japan:	J. Geophys. Res.,	71,	1721-1733
99-0386	Cooper, J.A. and Richards, J.R.,	1966,	Lead isotopes and volcanic magmas:	Earth Planet. Sci. Lett.,	1,	259-269.
99-0752	Otsuka, H.,	1966,	ロノ津層群の層序および堆積物—ロノ津層群の地史学的研究 その1—	J. Geol. Soc. Japan,	72,	371-384.
99-0793	Taneda, S.,	1966,	Unzen volcano I. petrochemical studies on the lavas.(In Japanese, with English abstract):	九大理島原温泉研報告,	2,	5-10.
99-0833	Shinno, S.,	1966,	Petrology of the Kirishima Volcano (In Japanese, with English abstract):	J. Japan. assoc. Mineral . Petrol. Econ . Geol.,	56,	56-74.
99-0882	Aramaki, S. and Ui, T.,	1966,	阿多火砕流と阿多カルデラ	J. Geol. Soc. Japan,	72,	337-349.
99-1240	Taneda, S.,	1966,	The petrogenetic significance of the vapour pressure in magma (In Japanese, with English abstract):	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	56,	1-20.
99-1241	Moriyama, Z. and Taneda, S.,	1966,	Gneiss block in the tuff breccia from Beppu City -- xenolithic ejecta and inclusions of the Cenozoic volcanic rocks in Kyushu (2) (In Japanese, with English abstract):	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	56,	75-77.
99-1312	Kuno, H.,	1966,	Lateral variation of basalt magma type across continental margins and island arcs:	Bull. volcanol.,	XXXIX,	195-222.
12-121	I. KUSHIRO' and H. S. YODER, JR.	1966,	Anorthite-forsterite and anorthite-enstatite reactions and their bearing on the basalt-eclogite transformation.	Jour. Petrol.,	7,	337-362.
12-467	Rorger G. Walker,	1966,	Shalke grit and grindslow shales: Transition from turbidit to shallow water sediments in the upper Carboniferous of northern England.	Jornal of Sedimentary Petrology,	36,	90-114.
12-341	林信悟, 神沢憲治, 木崎喜雄, 大竹忍, 武井暁朔, 戸谷敬一郎, 山下昇,	1965,	片品川上流地域で発見した”手取統”	地質学雑誌,	71,	76-77
03-0075	Moore, J.G.,	1965,	Petrology of deep-sea basalt near Hawaii.	Amer. J. Sci.,	263,	40-52.
09-115	小西健二,	1965,	琉球列島(南西諸島)の構造区分.	地質学雑誌,	71,	437-444
99-0661	Aramaki, S.,	1965,	Mode of emplacement of acid igneous complex (Kumano acidic rocks) in Southeastern Kii peninsula (In Japanese, with English abstract):	J. Geol. Soc. Japan,	71,	525-540.
99-0748	Kurasawa, H. and Takahashi, K.,	1965,	Petrology and chemistry of rocks of the Unzen volcano and its basement, Kyushu, southwest Japan (In Japanese, with English abstract):	Bull. Geol. Surv. Japan,	16,	258-274.
99-0870	Ono, K.,	1965,	Geology of the eastern part of Aso Caldera, Central Kyushu, Southwest Japan (In Japanese, with English abstract):	J. Geol. Soc. Japan,	71,	541-553.
03-0065	Macdonald, G.A., and Katsura, T.,	1964,	Chemical composition of Hawaiian lavas	J. Petrol.,	5,	82-133.
04-028	Menard, H.W.,	1964,	Marine geology of the Pacific	international series in the Earth Sci.,s,	McGraw-Hill	
06-040	Menard, H.W.,	1964,	Chapter one : introduction, Chapter two : Normal Basin; Chapter three : Great fault	Mar. Geol. Pac.,	New York, McGraw-Hill	1-53
06-041	Menard, H.W.,	1964,	Chapter four : Chapter seven	Mar. Geol. Pac.,	New York, McGraw-Hill	54-169
06-042	Menard, H.W.,	1964,	Chapter eight : introduction to end	Mar. Geol. Pac.,	New York, McGraw-Hill	171-271
99Y-78	Schmitt, R. A., Smith, R. H. and Olehy, D. A.,	1964,	Rare-earth, yttrium and scandium abundances in meteoritic and terrestrial matter - II:	Geochm. Cosmochim. Acta.,	28,	67-86.
99-0392	Masuda, A.,	1964,	Lead isotope composition in volcanic rocks Japan:	Geochim. Cosmochim.	28,	291-303.
99-0585	Yamamoto, H.,	1964,	Metamorphic rocks of the Kiyama district, east of Kumamoto city, Japan (In Japanese, with English abstract):	九州大学理学部研究報告(地質学),	7,	33-38.
99-0736	Ishibashi, K.,	1964,	Large phenocrystic pyroxenes in basaltic rocks of Northern Kyushu, Japan (In Japanese, with English abstract):	九大理研報(地質)	7,	48-56.
99-1424	Moore, J.G. ,	1964,	Giant submarine landslides on the Hawaiian ridge.	U.S.Geol. Surv.Prof. Pap.,	501,	D95-D98.
13-035	G. A. MacDonald, T. Katsura,	1964,	Chemical composition of Hawaiian lavas.	Journal of Petrology,	5,	82-133.
16-008	三谷文夫・井田悦子**	1964,	東シナ海におけるマアジ資源の研究-I	Bulletin of the Japanese Society of Scientific Fisheries	30,	978-982.
06-157	Matsumoto, T.,	1963,	Caldera volcanoes and pyroclastic flows of Kyushu.	Bull. Volcanol.	22,	401-413.
99-0694	Matsumoto, Y.,	1963,	The late Cenozoic volcanism in northern and central Kyushu, Japan (In Japanese, with English abstract):	九大生産研報,	28,	1-21.
99-0707	Matsumoto, T.,	1963,	Caldera volcanoes and pyroclastic flows of Kyushu:	Bull. volcanol.,	22,	401-413.
99-1001	Karakida, Y.,	1963,	Petrological studies of naturally heated zircons. Part II. petrology of some granitic xenoliths in volcanic rocks:	Mem.Fac. Sci.,Kyushu Univ., Ser. D, Geol.,	XIV	39-68.
12-388	Naoki ISSIHU	1963,	PETROLOGY OF HACHIGO-Jima VOLCANO GROUP, SEVEN IZU ISLANDS, JAPAN	Jour. Univ. Tokyo Fac. Sci.,	15,	91-134.
12-443	Derek W. Spencer,	1963,	The interpretation of grain size distribution curves of clastic sediments.	Journal of sedimentary petrology,	33,	180-190.
12-364	池島柳一、青木健一郎	1962,	高原火山の岩石学的研究	岩石鉱物鉱床学会誌	48,	97-107
04-033	Bouma A.H.,	1962,	Sedimentology of some flysch deposits: a graohic approach to facies interpretation.	Elsevier	168 pp.	Amsterdam
06-060	Yoder, Jr., H.S., Tilley, C.E.,	1962,	Origin of basalt magmas: an experimental study of natural and synthetic rock systems.	J. Petrol.,	3,	342-532.
99-0876	Gohara, Y. and Komori, C.,	1962,	On the So-called "Shirasu" and "Hai-ishi" (1) (In Japanese):	資源科学研究所彙報,	56/57	137-147.
12-387	Kosuke ONUMA	1962,	PETROGRAPHY AND PETROCHEMISTRY OF THE ROCKS FROM UNZEN VOLCANO, NORTHEASTERN JAPAN.	Jour. Japan. Assoc. Min. Pet. Econ. Geol.,	47,	192-204.
12-b016	S. SOURIRAJAN and G. C. KENNEDY	1962,	The system H <sub>2</sub> O-NaCl at elevated temperatures and pressures.	Amer. Jour. Sci.,	260,	115-141.
12-069	倉沢一・高橋清,	1961,	西日本の玄武岩:新生代の火山岩類について			7-
13-083	倉沢一・高橋清,	1961,	畏崎県五島灘島福漁島玄武岩類の化辯的性質	地質調査所月報,	13,	195-210.

08-335	Turekian, K.K., Wedepohl, K.H.,	1961,	Distribution of the elements in some major units of the Earth's crust.	Geo. Soc. Amer. Bull.,	72,	175-192.
99-0589	Tachibana, K.	1961,	長崎市北部大草附近の古第三紀砂岩礫を含む凝灰角礫岩層(長崎火山周縁の化石湖の研究 そのIII)	長崎大学教養部紀要(自然科学),	2,	19-29.
99-1426	Wyllie, P.J.,	1961,	Fusion of Torridonian Sandstone by Picrite sill in Soay (Hebrides).	J. Petrol.,	2,	1-37.
07-037	Matsumoto, H.,	1960,	The chemical characteristics of the lavas from Ryukyu volcanic zone, Kyushu, Japan.	Kumamoto J. Sci., Ser. B.	4,	41-48.
08-184	Wager, L.R., Brown, G.M., Wadsworth, W.J.,	1960,	Types of igneous cumulates.	J. Petrol.,	1,	73-85.
99N-94	Smith, R.L.,	1960,	Zones and zonal variations in welded ash flows:	U. S. Geol. Surv. Professional Paper,	354-F	149-159.
99-0579	Fujimoto, M. and Hashimoto, M.,	1960,	Plutonic and metamorphic rocks of the Konohayama-Kunimiyama region, Kyushu (In Japanese, with English abstract):	J. Geol. Soc. Japan,	66,	27-35.
99-0878	Matsui, K.,	1960,	Studies on the distribution and distribution of buried pyroclastic soil materials in the Osumi Peninsula, with special reference to their material sources (In Japanese):	資源科学研究所彙報, ?		115-126.
99-1302	Sugimura, A.,	1960,	Zonal arrangement of some geophysical and petrological features in Japan:	J. Fac.Sci. Tokyo Univ.,	12,	133-153.
99-1315	Sugimura, A.,	1960,	第四紀火山岩のK2O/Na2Oの地理的分布:	地質雑,	67,	292-300.
12-161	HISASHI KUNO	1960,	PETROLOGY OF HAKONE VOLCANO AND THE ADJACENT AREAS, Japan.	Bull. Geol. Soc. Amer.,	61,	957-1020.
12-164	HISASHI KUNO	1960,	High-alumina basalt.	Jour. Petrol.,	1,	121-145.
12-334	Eiiti Minami, Yoshito Matsui,	1960,	16. Composition of the Main Chemical components in the rocks from Hotoke-iwa volcanic body of Mt. Asama.	Bulletin of thwe earthquake research institute Kumamoto J. Sci., Ser. B.,	38,	291-305
12-441	Hatao MATSUMOTO	1960,	The chemical characteristics of the lavas from Ryukyu volcanic zone, Kyusyu, Japan.	Kumamoto J. Sci., Ser. B.,	4,	13-29.
06-1135	倉沢一	1959,	伊豆・天城火山群の岩石学および化学的性質.	地球科学	44,	1-15.
08-393	Osborn E.F.,	1959,	Role of oxygen pressure in the crystallization and differentiation of basaltic magma.	Amer. Jour. Sci.,	257,	609-647.
12-160	HISASHI KUNO	1959,	Origin of Cenozoic Petrographic Provinces of Japan and Surrounding Areas.	Bul. Volc., Ser. II,		37-76.
12-349	山崎正男	1959,	日光火山群.	地球科学,	35,	28-35.
99-1000	Tomita, T. and Karakida, Y.,	1958,	Source identification of some granitic xenoliths in volcanic rocks:	Mem. Fac. Sci., Kyushu Univ., Ser. D. geology	VIII	25-34.
99-0590	Tachibana, K.	1957,	長崎市北部喜々津で見出された茂木植物群を含む湖成層と長崎火山(長崎火山周縁の化石湖の研究1)	長崎大学学芸学部自然科学研究報告,	6,	29-34.
99-1041	Nureki, T.,	1957,	Genesis of some basic inclusions and granitic "pseudo-xenoliths" found in the Okami plutonic complex, Shimane Prefecture (In Japanese, with English abstract):	J.geol. Soc. Japan,	63,	35-47.
06-130	Taylor, S.R., Emeleus, C.H., Exley, C.S.,	1956,	Some anomalous K/Rb ratios in igneous rocks and their petrological significance.	Geochimica. et Cosmochimica. Acta.	10,	224-229.
07-033	Matsumoto H.,	1956,	Petrographic study on rocks of Suwanose-jima, Kagoshima Prefecture.	Kumamoto J. Sci., Ser. B.	2,	41-48.
06-1136	地質調査所	1955,	五万分の一地質図幅 燧ヶ岳	地質調査所	No.77	
09-117	波多江信広,	1955,	鹿児島県宇治群島および草垣島の地質.	地学雑,	64,	44-56.
12-432	佐藤久	1954,	地形学における火山の認定と基盤の意義一本邦火山麓の地形学的研究(2)	東京大学地理学研究,	3,	14-39.
06-1137	佐藤久	1954,	尾瀬ヶ原とその周辺の地形	尾瀬総合学術調査編, 尾瀬ヶ原	日本学術振興会	1-20.
03-0066	Macdonald, G.A.	1953,	Pahoehoe, aa, and block lava.	Amer. J. Sci.,	251,	169-191.
08-063	Heezen, B.C., Ewing, M.,	1952,	Turbidity currents and submarine slumps, and the 1929 Grand Banks earthquake.	Am. J. Sci.,	250,	849-873.
99-0731	Matumoto, H.,	1951,	Lavas of Iwo Island, Kagoshima Prefecture: (In Japanese):	J. Japan. Assoc. Mineral. Petrol. Econ. Geol.,	35,	182-188.
12-433	佐藤久	1950,	溶岩類の地形分類一本邦火山麓の地形学的研究(1)	東京大学地理学研究,	1,	114-132.
08-045	Kuenen, Ph.H., Migliorini, C.I.,	1950,	Turbidity currents as a cause of graded bedding.	Rept.18th Int. Geol.	London	44-52.
03-0097	Macdonald, G.A.	1949,	Petrography of the Island of Hawaii.	U. S.Geol. Surv. Prof.	214D,	51-96.
02-0065	Matsumoto, T.,	1943,	The four gigantic volcanoes of Kyushu	Japanses Jpur. Geol.	19,	1-57.
06-1129	Matsumoto, T.,	1943,	The four gigantic caldera volcanoes of Kyushu	J.J.G.G.,	19,	1-57
07-052	Matsumoto, T.,	1943,	The four gigantic caldera volcanoes of Kyushu.	Jap. J. Geol. Geogr.,	19,	1-57.
06-1128	Williams, H.,	1941,	Calderas and their origin	Univ. Calif. Publ. Geol.	25,	239-346
99-1139	Larsen, E.S. and Switzer, G.,	1939,	An obsidian-like rock formed from the melting of a granodiorite:	Am. J. Sci.,	237,	562-568.
99-1142	Knopf, A.,	1938,	Partial fusion of granodiorite by intrusive basalt, Owens valley, California:	Am. J. Sci.,	36,	373-376.
99-0730	Mastumoto, T.,	1937,	硫黄島沖の海底噴火並に附近の火山地質(その1)	Bull. volcanol. Soc. Japan,	3,	144-162.
99-1143	Granson, R.W.,	1932,	Some notes on the melting of granite:	Am. J. Sci.,	23,	227-236.
16-165	Torahiko Terada,	1929,	14. On the form of volcanoes.	Bull. Earthq. Res. Inst.,	12,	207-221.
99-0582	Takai, M.,	19??,	48. 熊本県金峰火山の古地磁気と4つの溶岩円頂丘のフィッション・トラック年代:	火山学会講演要旨	?	
99-0709	Ogata, M.,	19??,	Chemical composition of volcanic rocks from Taradake area (In Japanese, with English abstract):	XX講演要旨集		501
99-1040	Murakami and Imaoka	19??,	V. 新生代玄武岩中のグラニューライト質捕獲岩類とそれより想定される白亜紀火成岩類の成因:	村上教授記念号, 山口大学紀要		320-337.
09-116	小藤文次郎,	1897,	琉球列島の地質構造.	地質雑,	5,	1-12.
12-563	気象庁,	平成19年	噴火時等の避難体制に対応した火山情報の改善について。			
12-313	国土地理院	平成13年	空中写真による活断層の判別法(引用文献)	国土地理院技術資料D-1	329	
12-342	小林二三男?	不明	1. 地形・地質	奥利根学術調査報告書?	不明	3-31.
12-430	守屋以智雄,	昭和59年	衛星写真、航空写真による世界の火山の地形学的研究。	科研成果報告書		
12-b053	久野久	昭和11	伊豆及箱根地方火山岩の化学成分に就いて			53-
08-292	Ujike, O.,	xxx	Petrology of Tertiary calc-alkaline volcanic rocks suite from northeastern Shikoku and Shodo-Shima Island, Japan.	xxx	XX	159-201.
08-331	Wickham, S.M.,	xxx	Chapter six Isotopic modification of the continental crust: implications for the use of isotope tracers in granite petrogenesis.	xxx		124-148.
09-086	湯浅真人	xxx	海底熱水鉱床について.	HTTP		34-44.



09-088	Koski, R.A., Pichler, T., Foster, A.L.,	xxx	The fate of mrsenic in submarine hydrothermal environments: a summary of recent data.	HTTP		
09-089	渡辺 寧	x x x	プレートの沈み込み様式と鉱床タイプ.	HTTP		
09-105	Zelenov, K.K. (小西善治 訳)	xxx	太平洋火山地域における鉄とアルミナの移動と蓄積.	地質調査月報,	12,	226-237.
09-105	Zelenov, K.K. (小西善治 訳)	xxx	太平洋火山地域における鉄とアルミナの移動と蓄積.	地質調査月報,	12,	226-237.
07-	Chappell, B.W.,	XX	S-type granites of the Lachlan fold belt.	MS.	pre-print	xx-xx
08-217	Yoshida, T., Aoki, K.-I.,	xx	Geochemistry of some continental basalts.	xx	xx	xx-
08-227	Rubie, D.C., Brearley, A.J.,	xx	A model for rates of disequilibrium melting during metamorphism.	xx	xx	57-
08-439	Tatsumi, Y., Maruyama, S.,	xx	2. Boninites and high-Mg andesites: tectonics and petrogenesis.			50-71.
09-072	海上保安庁水路部,	XX	6-18 南西諸島周辺海域の地磁気全磁力異常.			440-
09-100	Clague, D.A., Frey, F.A.,	XX	Chapter 2 Trace element geochemistry of the Honolulu volcanic series, Hawaii.	xx	xx	15-28.
09-100	Clague, D.A., Frey, F.A.,	XX	Chapter 2 Trace element geochemistry of the Honolulu volcanic series, Hawaii.	xx	xx	15-28.
12-446	Toshiya Kanamatsu and Duane Champion,	xx	Rockmagnetostratigraphy of Hawaiian archipelagic sediments: Timing of giant submarine landslides of the Hawaiian Ridge.			
10-225	T. Fedenczuk1, P. Fryer1, J. Escartin2, A. Harris1	just in case	Quantitative Characterization of Topographical Features in Digital Elevation Models (DEM) and Bathymetry Data	from HTTP		
12-512	Marc Legault . Réal Daigneault	41,	Synvolcanic gold mineralization within a deformation zone: the Chevrier deposit, Chibougamau, Abitibi subprovince, Canada.	Miner Deposita,	41,	203-228.
04-078	Walker, R.G. and James, N.P.,	???	Facies models: response to sea level change	Geol. Ass. Canada		
99-0551	Inoue, K.	???	47b. 霧島火山群に見られるK2O, Rbの水平変化について; 55A 霧島火山群に見いだされた Incompatible elements の水平変化:	火山学会講演要項	?	313 ; 144
99-1032	Clark, A. M.,	???	Mineralogy of the rare earth elements:			33-61.
99-1058	Zhang, Z.-M., Liou, J.G. and Coleman, R.G.,	???	The mesozoic and Cenozoic tectonism in Eastern China:	The northwest Pacific Ocean Margins	?	124-139.
00-0195	Nasu, N., (那須紀幸)	??	海洋学講座5, 海洋地質"2.6, 2.7, 4.2"			
99-0269	佐藤 壯郎	??	グリーンタフ地域の鉱床形成の場			
99-0554	Shibata, H.,	??	Echelon arrangement of satellites and craters of the Kirishima Volcano, Japan:	鹿児島大理学部紀要(地学・生物学), ?	?	75-78.
99-0558	Pareja, J. S., Sasai, Y., Kagiya, T., Yamaguchi, M. and Masutani, F.,	??	Distribution of electrical resistivity in the Kirishima volcanic area and its geothermal significance:	?	?	164-167.
99-0559	Nostu, K., Arakawa, Y. and Kobayashi, T.,	??	Spatial distribution of 87Sr/86Sr ratios in volcanic rocks from the Ryukyu and Southwest Japan arcs:	?	?	103-106.
99-0571	Tajima, T. and Matsumoto, Y.,	??	長崎県橋湾周辺の火山層序:	地質学会西日本支部 ??? 講演要旨 ?		14-15.
07-142	Bougault, H.,	?,	30. Major elements: analytical chemistry onboard and preliminary results.	ODP report		643-652.
07-143	Bougault, H.,	?,	30. First transition series elements: fractional crystallization and partial melting.	ODP report		539-546.
99S-75	Matsuda, T.	?,	造山帯に関する最近の考え方:	?,	?,	17-31.
06-1013	?	?	Chapter 11 Summary and conclusion			343-
06-1014	Schreyer, W.,	?	Origin of the veredefort structure.	?	?	28-
06-1016	?	?	Migration of mobile components within the Earth's crust.	?	?	?
06-1025	?	?	2.2 The structure of metamorphic rocks.	?	?	19-
06-1026	?	?	土地利用分類図	?	?	1-44
06-1028	熊本県	?	熊本県活断層調査事業委託報告書【布田川断層】付図	パスコ		?
06-1029	熊本県	?	熊本県活断層調査事業委託報告書【布田川断層】	パスコ		?
06-1033	熊本県	?	熊本県活断層調査事業委託報告書【立田山断層】付図	パスコ		?
06-1098	Ui, T.,	?	Genesis of magma and structure of magma chamber of several pyroclastic flows in Japan.	?		
06-1105	東北地方の地質	?	第6章 火山	共立出版		182-
06-1106	茅原一也	?	糸魚川-静岡構造線の日本海への延長			107-
06-1112	Kawano, Y., Aoki, K.-I.,	?	Some anorthite bearing volcanic rocks in Japan.			431-
06-1115	Middlemost, E.A.K.,	?	A simple classification of volcanic rocks.			382-
06-1116	Taneda, K.,	?	A study on salic effusive rocks.			47-
06-1121	?	?	Chapter VII Thermal metamorphism of calcareous sediments (continued)			89-
06-1122	?	?	Low and High P ultrametamorphism: buchites and emeries	?	?	148-
06-1124	?	?	Vitrification.	?		
06-1130	enclave	?	Referenxces			551-
07-144	Joron, J.L., Briquieu, L., Bougault, H., Treuil, M.,	?	30. East pacific rise, Galapagos spreading center and siqueiros fracture zone, deep sea drilling project Leg 54: hygromagmaphile elements- acomparison with the north Atlantic.	ODP report		725-735.
99S-155	Takaoka, N., ・大場与志男・今村峯雄・井上照夫・吉田邦夫・山下博. 山根功・永井尚生・小林統一	?	火山岩中の10Beによるサブダクションの検証	火山学会講演予稿集(?)		
99S-156	Katsushima, M.,	?	南極氷床中にみられる火山灰の化学組成	火山学会講演予稿集(?)		
99S-169	Hart, R.,	?	19. Chemical variance in deep ocean basalts	?	?	301-335.
99-0066	White, A. J. R.(?)	?	G8 A type granites	pre-print	?	1-9.
99-0501	Thompson, R.N., Morrison, M.A., Dickin, A.P. and Hendry, G.L.,	?	Continental flood basalts...Arachnids rule OK?	?	?	158-185.
99-0657	Kellogg, K.S., Harlan, S.S., Mehnert, H.H., Snee, L.W., Pierce, K.L., Hackett, W.R. and Rodgers, D.W.,	?	Major 10.2-Ma rhyolitic volcanism in the Eastern Snake River Plain, Idaho-isotopic age and stratigraphic setting of the Arbon Valley Tuff member of the starlight formation:	?		
99-0080	Skjerlie, K.P., Patiño Douce A.E. and Johnston, A.D.,	1993,	Fluid absent melting of a layered crustal protolith: implications for the generation of anatexitic granites:	Contrib. Mineral. Petrol.,	114,	365-378.
12-646			5 Volcanic History of Kyushu			44-63.

(Marine volcanology, Kumamoto Univ.)

- 15-075 Andrey A. Gurenko<sup>1,2,3</sup> · Ilya N. Bindeman<sup>4</sup> · Ingvar A. Sigurdsson<sup>5</sup> 2015 To the origin of Icelandic rhyolites: insights from partially melted leucocratic xenoliths Contrib Mineral Petrol 169, 1-21.
- 15-077 Marco Brenna & Shane J. Cronin & Gábor Kereszturi & Young Kwan Sohn & Ian E. M. Smith & Jan Wijbrans 2015 Intraplate volcanism influenced by distal subduction tectonics at Jeju Island, Republic of Korea Bull volcanol, 77, 1-16.
- 15-101 U.S. Geological Survey 2015 PLATINUM-GROUP METALS
- 15-055 北條正司 2014 なぜ希硝酸を混合した海水中に純金は溶解するのか? 分析化学, 63, 715-726.
- 15-269 朝日新聞 2014 「メタンハイドレート商業化は無理」の声が噴出 資源大国という壮大な幻
- 16-006 M.G.Houle, C.M. Lasher, R.I.Metsaranta, J. Goutler, J. H.P. Gillbert, V. McColl, 2013 Temporal and spatial distribution of magmatic Ni-Cu-PGE, Cr, and Fe-Ti=V depositions in the Bird River =Uchi=Oxford-Stull-La Grande-Eastmain superdomain: a new metalotect within the Superior Province. MINERAL DEPOSIT RESEARCH FOR A HIGH-TECH WORLD • 12th SGA Biennial Meeting 2013. Proceedings 3 1009-1012.
- 15-295 T. Prior a, \*, D. Giurco a, G. Mudd b, L. Mason a, J. Behrisch 2011 Resource depletion, peak minerals and the implications for sustainable resource management. global environmental change, 22, 577-587.
- 10-286 STEPHAN SCHUTH<sup>1,2\*</sup>, CARSTEN MUKER<sup>1,2</sup>, STEPHAN KOEHL<sup>1,2</sup>, CROMWELL QOPOTO<sup>3</sup>, STANLEY BASI<sup>3</sup>, DIETER GARBERSCHON<sup>4</sup>, NBERG<sup>4</sup> AND CHRIS BALLHAUS 2009 Petrogenesis of Lavas along the Solomon Island Arc, SW Pacific: Coupling of Compositional Variations and Subduction Zone Geometry Jurnal of Petrology, 50, 781-811.
- 12-623 Wesley G. Groome □, Derek J. Thorkelson 2009 The three-dimensional thermo-mechanical signature of ridge subduction and slab window migration Tectonophysics, 464, 70-83.
- 16-036 E. Deville\*, S.-H. Guerlais 2009 Cyclic activity of mud volcanoes: Evidences from Trinidad (SE Caribbean) Marine and Petroleum Geology, 26, 1681-1687.
- 09-004 Glazner, A.F., Coleman, D.S., Bartley, J.M., 2008 The tenuous connection between high-silica rhyolites and granodiorite plutons. Geology, 36, 183-186.
- 07-205 M. J. Branney, B. Bonnicksen, G. D. M. Andrews, B. Ellis, T. L. Barry and M. McCurry 2007 'Snake River (SR)-type' volcanism at the Yellowstone hotspot track: distinctive products from unusual, high-temperature silicic super-eruptions Bull Volcanol., online first doi:10.1007/s00445-007-0140-7
- 07-241 下司信夫, 中野俊, 壇原徹 2007 鹿児島県トカラ列島トカラ半瀬に分布する火山岩類とそのFT年代 地質調査研究報告, 58, 45-47.
- 07-229 海上保安庁 2005 沿岸の海の基本図デジタルデータ: 薩摩硫黄島 海洋情報研究センター 6351-4, CD-ROM
- 07-230 海上保安庁 2005 沿岸の海の基本図デジタルデータ: 宝島 海洋情報研究センター 6502-8, CD-ROM
- 07-231 海上保安庁 2005 沿岸の海の基本図デジタルデータ: 横当島 海洋情報研究センター 6504-1, CD-ROM
- 07-232 海上保安庁 2005 沿岸の海の基本図デジタルデータ: 硫黄島 海洋情報研究センター 6506-1, CD-ROM
- 12-553 K. C. LEWIS AND R. P. LOWELL 2004 Mathematical modeling of phase separation of seawater near an igneous dike. Geofluids, 4, 197-209.
- 15-163 Ming-Shiou Jeng<sup>1</sup>, Ngan-Kee Ng<sup>2</sup>, Peter K. L. Ng<sup>2</sup> 2004 Marine Snow from Sulphur Plumes: A Novel Food Source for a Hydrothermal Vent Crab nature, 432, 969-
- 12-262 Roy D. Hyndman a□, Simon M. Peacock 2003 Serpentinization of the forearc mantle Earth and Planetary Science Letters, 212, 417-432.
- 12-b030 横山勝三 2000 入戸火砕流堆積物の分布北限 火山第二集, 45, 209-216.
- 99-1457 中島映至 1999 人為起源エアロゾルと気候変動 科学, 69, 838-845.
- 07-113 Guo, J., Green, T.H., 1989 Barium partitioning between alkaline feldspar and silicate liquid at high temperature and pressure. Contrib., Mineral., Petrol., 102, 328-335.
- 12-343 小林二三男? 1977 1. 奥利根地域の自然一利根川源流地域一 奥利根学術調査報告書? 不明 1-43
- 12-365 早津賢二、 1976 妙高火山・第三期の活動とその噴出物一妙高火山群の地質記載・その2一 第四紀研究、 15、 11-19.
- 07-00-0126 Eichelberger, J.C., 1974 Magma contamination within the volcanic pile: origin of andesite and dacite. Geol., 2, 29-33.
- 00-0229 Kennett, J., Thirteen Terrigenous deep-sea sediments. Mar. Geol., 396-453.
- 02-0089 Larson, R.L., Near-bottom geologic studies of the East Pacific Rise crest.
- 03-0004 佐竹健治・加藤幸弘 1741年寛保津波は渡島大島の山体崩壊によって生じた。 XX x XXX XXX
- 05-032 Lowenstern, J.B., A review of the contrasting behavior of two magmatic volatiles: Chlorine and carbon dioxide. xx xx xxxx
- 05-033 Lowenstern, J.B., Melt inclusions come of age: volatiles, volcanoes, and Sorby's legacy. xx xx 1-21.
- 05-063 CEOS disaster management support group Landslide hazards Team report
- 06-047 Kampunzu, A.B., Mohr, P., 4. Magmatic evolution and petrogenesis in the East African rift system. in Magmatism in extensional structural settings The Phanerozoic African Plate, Kampunzu, A.B. and Lubala R.T., (Eds. ) Springer-Verlag New York 85-136.
- 06-051 Contact metamorphism of mafic rocks. 257-
- 06-063 第四紀後期火山岩類 104-
- 06-1031 高橋俊正 図幅 阿蘇・竹田 地形分類図
- 06-1032 ? 五万分の一 竹田 地質図幅
- 06-1041 Didier, J., contents
- 06-1048 Plant, J.A., Simpson, P.R., Smith, B., Uranium ore deposits - products of the radioactive earth.
- 06-1049 Wolf, S.F., Analytical methods for determination of uranium in geological and environmental materials.
- 06-1099 Taniguchi, H., The study of the physical and chemical properties of some volcanic acid glasses ? ? 189-
- 06-1144 徳橋秀一 編著 タービダイトの話 (地質ニュース復刻版) 実業公報社 162pp
- 06-121 Barker, F., chapter 1 Trondhjemite: definition, environment and hypotheses of origin. -12
- 06-122 Ewart, A., Chapter 2 A review of the mineralogy and chemistry of Tertiary-recent dacitic, latitic, rhyolitic, and related salic volcanic rocks. 13-

06-123	Collerson, K.D., Bridgwater, D.,	Chapter 7 Metamorphic development of early Archean tonalitic and trondhjemitic gneisses: Saglek area, Labrador.			205-
06-153	Norrish, K., Chappell, B.W.,	X-ray fluorescence spectrometry.			201-
06-162	Leggett, A.J.,	Notes on the writing of scientific English for Japanese physicists.	日本物理学会誌	21,	790-
06-168	zzzzzz	10 Hornfelses and spotted slates			177-
06-169	yyyyy	Textures of thermal metamorphism.			186-
06-170	zzzzzz	9 Metamorphism, its petrographic criteria and its products			161-
06-171	zzzzzz	13 High-grade schists, amphibolites, granulites, and eclogites			229-
06-2015	Weaver, B.L., Tarney, J.,	Major and trace element composition of the continental lithosphere.			39-68
06-2019	Cole, J.W.,	Distribution and tectonic setting of Late Cenozoic volcanism in New Zealand.			7-20.
07-024	前川寛和	地震発生と水			
08-007	Isabelle Billeaud, Bernadette Tessier, Patrick Lesueur and Bruno Caline	Preservation potential of highstand coastal sedimentary bodies in a macrotidal basin: Example from the Bay of Mont-Saint-Michel, NW France	Sedimentary Geology	202,	754-775.
08-289	氏家治,	角閃石斑晶の光学的性質の噴出後における変化.	地質調査報告,	25,	509-
08-372	Ruiz, J.,	Xenoliths in proterozoic crust: evidence for reworking of the lower crust.			361-382.
08-381	White??	Granites 5 Genesis of strongly peraluminous granites.	??	?	15p.
09-063	中野俊, 下司信夫,	A 27 鹿児島県トカラ列島北部の時代未詳火山(臥蛇島, 小臥蛇島, 平瀬).	火山学会講演要旨		
09-064	松本哲一, 太田靖, 中野俊, 下司信夫, 小林哲夫,	P103 トカラ列島火山噴出物のK-Ar および14C年代	火山学会講演要旨		
10-044	Margins programs	US-Japan collaborative research: multi-scale seismic imaging of the Mariana subduction factory.			
10-193	Tobias Moerz1, Achim Kopf3, Warner Brueckmann1,2, Noemi Fekete1, Veit Huehnerbach4, Douglas G. Masson4, Daniel A. Hepp1, Erwin Suess1,2, and Wilhelm Weinrebe1,2	STYLES AND PRODUCTIVITY OF MUD DIAPIRISM ALONG THE MIDDLE AMERICAN MARGIN Part I: Margin Evolution, Segmentation, Dewatering and Mud Diapirism	G. Martinelli and B. Panahi (eds.), Mud Volcanoes, Geodynamics and Seismicity, 35–48		
10-194	Tobias Moerz1, Naomi Fekete1, Achim Kopf3, Warner Brueckmann1,2, Stefan Kreiter4, Veit Huehnerbach5, Douglas Masson5, Daniel A. Hepp1, Mark Schmidt1,6, Steffen Kutterolf1, Heiko Sahling1, Friedrich Abegg2, Volkhard Spiess3, Erwin Suess1,2, and Cesar R. Ranero1,2	STYLES AND PRODUCTIVITY OF MUD DIAPIRISM ALONG THE MIDDLE AMERICAN MARGIN Part II: Mound Culebra and Mounds 11 and 12	G. Martinelli and B. Panahi (eds.), Mud Volcanoes, Geodynamics and Seismicity, 49–76		
10-243	H. Miyamoto1 and S. Sasaki1	ROLES OF SOME PARAMETERS ON LAVA FLOW MORPHOLOGIES	Lunar and Planetary Science XXVIII	XXVIII	1607.PD F
10-252	J.K. Lanz	RHEOLOGICAL INVESTIGATIONS OF LAVA FLOWS ON ARSIA MONS, MARS			TTP, PDF
10-271	Ben Edwards	Viscosity experiments: physical controls and implications for volcanic hazards			Http pdf
10-290	L. Droz, T. Marsset, H. Ondre' as, M. Lopez, B. Savoye, and F.-L. Spy-Anderson	Architecture of an active mud-rich turbidite system: The Zaire Fan (Congo–Angola margin southeast Atlantic): Results from Zai`Ango 1 and 2 cruises	AAPG Bulletin	87,	1145-1168.
10-328	HSDP	appendix			
10-329	西村貴司*	I C P – M S による水質中 1 5 微量元素の同時定量			HTTP
10-339	H. Kayanne, C. Hongo, H. Yamano,	Coral reef landforms in Japan.			1-19.
10-348	渡辺 寧	生きている九州—浅熱水性金鉱床生成区の変遷	地質ニュース	599,	31-39.
10-377	lecture note	GEO..416 VOLCANOLOGY	lecture note		
10-380	Department of Earth and Atmospheric Sciences	OCEANOGRAPHY EASA - 105 Test Review			Lecture note
10-391	J. Nicholls and M.Z. Stout	Part 1: Characterization of volcanic rocks.	Petrology of volcanic rocks, Http pdf		38pp.
10-392	J. Nicholls and M.Z. Stout	Part 2: Mass balance constraints on volcanic processes.	Petrology of volcanic rocks, Http pdf		41pp.
10-393	J. Nicholls	Part 5: Bayesian statistics and testing petrologic hypotheses.	Petrology of volcanic rocks, Http pdf		9pp.
10-431	Robert J. Stern, Matthew J. Fouch, Simon L. Klemperer,	An Overview of the Izu-Bonin-Mariana Subduction Factory			pre-print
10-452	Urszula Wnorowska	SiO <sub>2</sub> -rich lava complexes: Textures in SiO <sub>2</sub> -rich lava complexes	MS		Http pdf
10-465	Philip Watts, Fumihiko Imamura, Stéphan Grilli,	COMPARING MODEL SIMULATIONS OF THREE BENCHMARK TSUNAMI GENERATION CASES.			Http pdf
10-477	九州地方の地質,	新生界			
10-497		Species Profile: American Eel Management Program Seeks to Improve Our Understanding of Species Through Data Collection.		American Eel Profile, November 2008	Http pdf
10-498		The American Eel			Http pdf
10-499	A. James Kettle and Keith Haines	How does the European eel ( <i>Anguilla anguilla</i> ) retain its population structure during its larval migration across the North Atlantic Ocean?		http://cjfas.nrc.ca	90-
99N-	Tarney, J. and Saunders, A. D.,	Trace element constraints on the origin of Cordilleran batholiths:			90-148.
99Y-38	Pichler, H. and Zeil, W.,	The Cenozoic rhyolite-andesite association of the Chilean Andes:			425-452.
99Y-71	Bergantz, G. W. and Dawes, R.,	Aspects of magma generation and ascent in continental lithosphere:			291-317.
99Y-72	Johannes, W. and Holtz, F.,	Formation and composition of H <sub>2</sub> O-undersaturated granitic melts:			87-104.
99Y-91	Robinson, P., Spear, F. S., Schumacher, J. C., Laird, J., Klein, C., Evans, B. W. and Doolan, B. L.,	Phase relations of metamorphic amphiboles: natural occurrence and theory:			
10-512	Bernard Bonin,	Ring complex granites and anorogenic magmatism.	book		

10-514	G. Voll	Summary and Outlook	G. Voll, J. Topel, D.R.M., Pattison, F. Seifen eds, Equilibrium and Kinematics in Contact Metamorphism,	book
10-515	H. Williams,	Calderas and their origin.		296-346.
10-534	木村政昭*1 小野朋典*1 松岡裕美*2 大塚裕之 中村俊夫 宮崎幸光	沖縄トラフ東縁のテクトニクス ー背弧海盆形成メカニズムの解明-	海洋科学技術センター試験研 究報告,	10, 299-321.
12-070	海底地質調査技術グループ	五島・対馬周辺海域の海底地質調査研究の概要1-		
12-071	松井和典, 今井功, 片田正人,	五島列島中通島および相ノ島で見いだされた変成岩類(予報)	地質調査月報	12, 35-42.
12-073	古山勝彦・長岡信治,	五島列島、鬼岳単成火山群噴出物の化学組成。	地質学会講演予稿集	P-158.
12-074	山本裕朗、石川堅一、	小値賀島単成火山群における噴石丘の形成にともなうマグマ組成の時間変化。	火山学会講演予稿集	PB07.
12-075	山本裕朗、	噴石丘の形成発達にともなう岩石組織と化学組成の経時変化。		P29.
12-076	山本裕朗、	小値賀島独立単成火山群の地質。		B55
12-077	野口清志・中田節也	五島列島福江島、鬼岳・日ノ岳地域の玄武岩類と捕獲岩類。	火山学会講演予稿集	13 A
12-113	Guido van den Thillatt1 , At jan Palstra\ Csaba Zsekely, and Vincent van Ginneken1	ENERGETICS OF EEL MIGRATION: SWIM FITNESS AND SWIM CAPACITY.		
12-115	Press Release O.C.F.A	Ontario American Eel Fishery Closure		
12-117	internet image		http://upload.wikimedia.org/wikipedia/commons/6/6b/Anguillamuk.jpg	
12-119	<a href="http://www.dfo-mpo.gc.ca">www.dfo-mpo.gc.ca</a>	The American Eel	Under water world	1-8
12-166	s. E. Kesson, J. D. Fltz Gerald S. J. M. G. Shelley	Mineral chemistry and density of subducted basaltic crust at lower-mantle pressures.	Nature,	372, 767-769.
12-303	Philip Watts, Fumihiko Imamura, Stephan Grilli,	Comparing model simulations of three benchmark tsunami generation case.		1-17
12-305	Philip Watts,	Some opportunities of the landslide tsunami hypothesis.		
12-312	桂木洋光・杉野大輔, 本庄春雄,	脆性破砕の多重スケールリングと対数正規分布べき分布遷移。		1-9.
12-340	小林二三男?	1. 地形・地質	奥利根学術調査報告書?	5-22
12-367	青木謙一郎・吉田武義、	東北地方南部、鮮新-更新世デイサイト質火砕岩マグマの成因。		68
12-369	野口伸一、	北関東地域の火山フロントと深発地震面		39
12-383		VII 北陸地方および周辺地域の火山岩類の放射年代地一覽		110-149
12-384		VI 北陸地方における新生代火山岩類の組成。		150-
12-385		VI 北陸地方における新生代火山岩類の組成。		
12-394	R. L. Hickey and F. A. Frey	40. RARE-EARTH ELEMENT GEOCHEMISTRY OF MARIANA FORE-ARC VOLCANICS: DEEP SEA DRILLING PROJECT SITE 458 AND HOLE 459BI	Initial reports of the Deep Sea Drilling Project,	60, 735-742.
12-416		島原半島南部の地質の再検討(口絵)	鹿児島大学紀要(地学・生物学)	
12-417	山本温彦・山本英司・上中博之・大庭昇	鹿児島県薩摩半島西南部、野間半島および加世田一枕崎地域の地質。	鹿児島大学紀要	2、15-25.
12-418	守屋以智雄	磐梯山1888年の噴火一大崩壊	地質と調査	1-8.
12-477	lecture note	Oceanography EASA-105 test review	Department of Earth and Atmospheric Sciences, Saint Louis University	
12-482	Beth A. Rees, Robert S. Detrick, Bernard J. Coakley,	Seismic stratigraphy of the Hawaiian flexural moat.	Geol. Soc. Amer. Bull.,	105, 189-205.
12-484	Slatt			182-185
12-496	<a href="http://vulcan.wr.usgs.gov/Volcanoes/Indonesia/description_indonesia_volcanics.html">http://vulcan.wr.usgs.gov/Volcanoes/Indonesia/description_indonesia_volcanics.html</a> [2012/09/16 16:46:35]	DESCRIPTION: Indonesia Volcanoes and Volcanics		
12-497	<a href="http://vulcan.wr.usgs.gov/Volcanoes/CraterLake/description_crater_lake.html">http://vulcan.wr.usgs.gov/Volcanoes/CraterLake/description_crater_lake.html</a> [2012/09/16 16:45:13]	Mount Mazama Volcano and Crater Lake Caldera, Oregon.		
12-521		第三章 新生界		
12-529	Submarine volcanism Hot spot research highlights	Flexural arch		
12-543	Jacob B. Lowenstem	Melt Inclusions Come of Age: Volatiles, Volcanoes, and Sorby's Legacy		1-21.
12-554	中山大地 小寺浩二、	地形学・水文学における地理情報の処理手法についてー数値地形モデルを用いた流域地形計測の試みー		
12-555	Landslide Tsunami Generation	Generation #2		
12-567	中条純輔	音波探査とは	音波探査講座	①
12-568	David A. Clague1 Jacqueline E. Dixon2 Frederick A. Frey3	The Distribution of Alkaline Lavas in Hawaii: Geometry of the Hawaiian Plume		
12-569	J.M. Rhodes, M.O. Garcia, H. Guillo, D. Kurz,	Plumbing and Plumes: Submarine Picritic Magmas from the Southwest Rift Zone of Mauna Loa Volcano.		
12-571		岩石学II-5		
12-573		始良カルデラ関連文献リスト		
12-605		熱水活動による鉱床形成		
12-608	nature	和訳		
12-b001		鬼界カルデラ-西表火山	九州地方の地質	共立出版 -238
12-b003	NAOKI ISSHIKI	Mode of eruption of Miyake-jima volcano in historic times."		
12-b008	H.G. Reading,	References	H.G. Reading, Sedimentary Environments: Processes, Facies and Stratigraphy. third edition	Blackwell 574-667.
12-b009	G.J. Orton	12 Volcanic environments.	H.G. Reading, Sedimentary Environments: Processes, Facies and Stratigraphy. third edition	Blackwell 485-567.

12-b010	D.A.V. Stow, H.G. Reading & J.D. Collinson	Deep seas.	H.G. Reading, Blackwell Sedimentary Environments: Science, Processes, Facies and Stratigraphy. third edition	395-453.
12-b027	James G. Moore,	Subsidence of the Hawaiian ridge.	U.S. Geological Survey Professional Paper	1350, 85-
12-b049		鬼界カルデラ-西表火山	九州地方の地質	共立出版 -238
12-b050		九州地方の地質:索引など		
12-b051		第4章 火山	九州地方の地質	共立出版 337-343.
13-023	倉沢一・高橋清,	長崎県五島列島火山岩類の分化.	火山学会講演要旨	
13-038	Javier Escuder-Viruet a,□, Richard Friedman b, Mercedes Castillo-Carrión a, Janet Jabites b, Andrés Pérez-Estaún	Origin and significance of the ophiolitic high-P mélanges in the northern Caribbean convergent margin: Insights from the geochemistry and large-scale structure of the Río San Juan metamorphic complex.	Lithos,	127, 483-504.
15-013	Patrick ColmanCollins a,n, PeterCroot a, JensCarlsson b, AnaColac'o c, AnthonyGrehan Kiseong Hyeong d, RobertKennedy a, ChristianMohne, SamanthaSmith Hiroyuki Yamamoto g, AshleyRowden	A primer for the Environmental Impact Assessment of mining at seafloor massive sulfide deposits	Marine Policy, 42,	42, 198-209.
15-052	海上保安庁水路部 Hydrographic Department, Maritime Safety Agency	6 - 1 九州西岸沖の海底地形・地質構造・地磁気異常 Submarine Topography, Geological Structure and Magnetic Anomaly off the West Coast of Kyusyu	地震予知連絡会 会報	16, 137-141.
15-062	David C. Rubie1* and Seth A. Jacobson1,2	Mechanisms and Geochemical Models of Core Formation	In: Fischer, R., Terasaki, H. (eds), Deep Earth: Physics and Chemistry of the Lower Mantle and Core, AGU Monograph, in press.	
15-069	神谷夏実	鉱業大国チリの現状		1-11.
15-085	William F McDonough	THE COMPOSITION OF THE EARTH		
15-089		第3章 海底資源開発産業		83-136
15-095		Ocean Crust Composition		
15-098	(社) 日本化学工業協会)	資料14: 予防原則Q&A ( (社) 日本化学工業協会)		607-622
15-106	D. W. Burbank1, A. E. Blythe2, J. M. Oskin1, A. Barros4 & T. P. Ojha5 Putkonen3, B. Pratt-Sitaula1, E. Gabet1	Decoupling of erosion and precipitation in the Himalayas.	nature,	426, 652-655.
15-109	Nautilus Minerals	NAUTILUS MINERALS: SOLWARA 1 COPPER-GOLD PROJECT IN PAPUA NEW GUINEA		
15-127	Chemical Oceanography	Chemical composition of seawater: Salinity and the major constituents		
15-147	Zolta 'nZajacz a,φ,Philip A.Candela b,Philip M.Piccoli b,Carmen Sanchez-Valle a,Markus Walle	Solubility and partitioning behavior ofAu,Cu, Agand reduced Sinmagmas		
15-148	環境政策における予防的方策・予防原則のあり方に関する研究会	環境政策における予防的方策・予防原則のあり方に関する研究会報告		
15-161	The E/V Nautilus and NOAA ship Okeanos Explorer	New frontiers in ocean exploration.	oceanography,	25, 67p
15-185		Target Strength		17-1-12
15-186		Scattering and Reverberation Level.		18-1-10
15-192		Submarine Lava Morphology	GG 711, Fall 2011, Lect. 10, Sarah Glancy	
15-193		「干潟・浅海域における底質の物質循環に関する研究」		1-27.
15-211		有明海の潮流について		
15-212		亜鉛の分布について		
15-213	(社) 日本化学工業協会)	予防原則Q&A		607-
15-215	NOAA Ocean Explorer,	SONAR		
15-222	Jean-François Bourillet	Mapping of European sea-beds What for ? With what means ?		
15-229	Center for coastal and ocean mapping joint hydrographic center	water column mapping.		
16-023	Peter Michael	A back-arc in time.	Nature,	469, 170-171.
16-030	Alessandro Conforti1 & Francesca Budillon2 & Renato Tonielli2 & Giovanni De Falco1	A newly discovered Pliocene volcanic field on the western Sardinia continental margin (western Mediterranean).	Geo-Marine Letters,	36, 1-14.
16-033		6. Impact melt.	Trances of Catastrophe,	78-96.
16-035	A. Mazzini	Thematic Set on Mud Volcanism: Processes and Implications		
16-045	RICHARD A. F. GRIEVE	Economic natural resource deposits at terrestrial impact structures.	Mineral Deposits and Earth Evolution. Geological Society, London, Special Publications, McDONALD, I., BOYCE, A J., BUTLER, I. B., HERRINGTON, R. J. & POLYA, D. A (eds)	248, 1-29.
16-048	Christopher H. Scholz Christopher Small	The effect of seamount subduction on seismic coupling.	geology,	25, 487-490.
16-065		Science Concept 6: The Moon is an Accessible Laboratory for Studying the Impact Process on Planetary Scales.		333-412.

- |        |   |   |   |  |            |
|--------|---|---|---|--|------------|
| 16-066 | Achim Kopf a,* , Sylvia Stegmann a, Georg Delisle b, Behrouz Panahi c, Chingiz S. Aliyev c, Ibrahim Guliyev | In situ cone penetration tests at the active Dashgil mud volcano, Azerbaijan: evidence for excess fluid pressure, updoming, and possible future violent eruption. | Marine and Petroleum geology,   | 26,  | 1716-1723. |
| 16-099 | David R. Wilburn  | Global Exploration and Production Capacity for Platinum-Group Metals From 1995 Through 2015.  | Scientific Investigations Report 2012-5164  | U.S. Department of the Interior U.S. Geological Survey | 26 p.      |
| 16-100 | A. Mazzini a,* , A. Nermoen a, M. Krotkiewski a, Y. Podladchikov a, S. Planke a,b, H. Svensen               | Strike-slip faulting as a trigger mechanism for overpressure release through piercement structures. Implications for the Lusi mud volcano, Indonesia.             | Marine and Petroleum geology,   | 26,  | 1751-1765. |
| 16-116 |   | 4. 魚の成長 ー体長組成と成長曲線ー   |   |  |            |
| 16-148 | George D. Gopen and Judith A. Swan  | The Science of Scientific Writing   | <a href="https://www.e-education.psu.edu/styleforstudents/c10_p1.html">https://www.e-education.psu.edu/styleforstudents/c10_p1.html</a> |  |            |
| 16-166 | Toyoto AZUMA, Takayuki KATOH, Izumi SAKAMOTO and Yong Ui KIM  | Rocks and Minerals from The Hahajima Seamount in Ogasawara Sea Area - Aragonite, Precipitated Serpentine and Quartzine in Serpentine Mud-                         | Journal of The School of Marine Science and Technology, Tokai University  | 3,   | 61-76.     |