Heterogeneous mantle domains: signatures, genesis and mixing chronologies

DOI: 10.1016/0012-821x(88)90131-8
Earth and Planetary Science Letters, 1988, 90, 273-296.

#	Paper	IF	Citations
783	He, Pb, Sr and Nd isotope constraints on magma genesis and mantle heterogeneity beneath young Pacific seamounts. *Contributions To Mineralogy and Petrology*, **1988**, 99, 446-463	3.5	124
782	Chemical differentiation of the Earth: the relationship between mantle, continental crust, and oceanic crust. *Earth and Planetary Science Letters*, **1988**, 90, 297-314	5.3	2529
781	Isotopic Characterization and Identification of Recycled Components. **1989**, 15-28		41
780	Sr, Nd, and Pb isotopic character of Tertiary basalts from southwest Poland. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 2689-2696	5.5	60
779	The nature of the subcontinental mantle from SrNdPb isotopic studies on kimberlitic perovskite. *Earth and Planetary Science Letters*, **1989**, 92, 323-334	5.3	92
778	Subducted and recycled lithosphere as the mantle source of ocean island basalts from southern Polynesia, central Pacific. *Chemical Geology*, **1989**, 77, 1-18	4.2	64
777	Southern Cordilleran basaltic andesite suite, southern Chihuahua, Mexico: A link between Tertiary continental arc and flood basalt magmatism in North America. **1989**, 94, 7817		58
776	Extreme isotopic variations in Heard Island lavas and the nature of mantle reservoirs. **1990**, 348, 59-62		82
775	Nd- and Sr-isotopic compositions of lavas from the northern Mariana and southern Volcano arcs: implications for the origin of island arc melts. *Contributions To Mineralogy and Petrology*, **1990**, 105, 381-392	3.5	92
774	Evolution and composition of the lithospheric mantle underneath the western Arabian peninsula: constraints from SrNd isotope systematics of mantle xenoliths. *Contributions To Mineralogy and Petrology*, **1990**, 105, 460-472	3.5	81
773	Magma source components in an arc-continent collision zone: the Flores-Lembata sector, Sunda arc, Indonesia. *Contributions To Mineralogy and Petrology*, **1990**, 105, 585-601	3.5	105
772	Tertiary basalts and peridotite xenoliths from the Hessian Depression (NW Germany), reflecting mantle compositions low in radiogenic Nd and Sr. *Contributions To Mineralogy and Petrology*, **1990**, 106, 1-8	3.5	24
771	Petrology, isotope characteristics, and K-Ar ages of the Maranhão, northern Brazil, Mesozoic basalt province. *Contributions To Mineralogy and Petrology*, **1990**, 104, 555-567	3.5	62
770	Petrology and petrogenesis of the Ministers Island dike, southwest New Brunswick, Canada. *Contributions To Mineralogy and Petrology*, **1990**, 105, 55-65	3.5	7
769	Nd-Sr-O isotopic evidence for source contamination and an unusual mantle component under Luzon Arc. *Geochimica Et Cosmochimica Acta*, **1990**, 54, 2473-2483	5.5	56
768	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*, **1990** , 54, 3449-3460	5.5	27
767	Geochemical evolution of Pliocene-Recent post-subduction alkalic basalts from Seal Nunataks, Antarctic Peninsula. **1990**, 40, 149-167		41

766	Continental mantle lithosphere, and shallow level enrichment processes in the Earth's mantle. *Earth and Planetary Science Letters*, **1990**, 96, 256-268	5.3	274
765	Asthenosphere versus lithosphere as possible sources for basaltic magmas erupted during formation of the Red Sea: constraints from Sr, Pb and Nd isotopes. *Earth and Planetary Science Letters*, **1990**, 96, 269-286	5.3	125
764	Development of continental lithospheric mantle as reflected in the chemistry of the Mesozoic Appalachian Tholeiites, U.S.A.. *Earth and Planetary Science Letters*, **1990**, 97, 316-331	5.3	65
763	Mantle heterogeneity in northeastern Africa: evidence from Nd isotopic compositions and hygromagmaphile element geochemistry of basaltic rocks from the Gulf of Tadjoura and southern Red Sea regions. *Earth and Planetary Science Letters*, **1990**, 101, 233-247	5.3	48
762	Water in oceanic basalts: evidence for dehydration of recycled crust. *Earth and Planetary Science Letters*, **1990**, 101, 323-331	5.3	133
761	Isotopic characteristics of Hannuoba basalts, eastern China: Implications for their petrogenesis and the composition of subcontinental mantle. *Chemical Geology*, **1990**, 88, 35-52	4.2	158
760	Isotopic evidence for crust-mantle evolution with emphasis on the Canadian Shield. *Chemical Geology*, **1990**, 83, 149-163	4.2	36
759	U-Th-Pb partitioning behavior during partial melting in the upper mantle: Implications for the origin of high Mu Components and the Pb Paradox **1990**, 95, 433		53
758	Midcontinent rift volcanism in the Lake Superior Region: Sr, Nd, and Pb isotopic evidence for a mantle plume origin. **1990**, 95, 10851		99
757	The Cobb-Eickelberg Seamount Chain: Hotspot volcanism with mid-ocean ridge basalt affinity. **1990** , 95, 12697		75
756	Eruption rates and isotopic systematics of ocean islands: further evidence for small-scale heterogeneity in the upper mantle. **1990**, 172, 273-289		15
755	Oceanic Basalts. **1991**,		2
754	Isotope characteristics of submarine lavas from the Philippine Sea: implications for the origin of arc and basin magmas of the Philippine tectonic plate. *Earth and Planetary Science Letters*, **1991**, 107, 290-304	5.3	134
753	Major element, REE, and Pb, Nd and Sr isotopic geochemistry of Cenozoic volcanic rocks of eastern China: implications for their origin from suboceanic-type mantle reservoirs. *Earth and Planetary Science Letters*, **1991**, 105, 149-169	5.3	315
752	Isotopic study (Sr, Nd, O and C) of lamprophyres and associated dykes from Tamazert (Morroco): crustal contamination processes and source characteristics. *Earth and Planetary Science Letters*, **1991**, 103, 190-199	5.3	44
751	Isotopic evolution of Mauna Loa volcano. *Earth and Planetary Science Letters*, **1991**, 103, 257-269	5.3	90
750	Isotopic evidence for the origin of the Manihiki and Ontong Java oceanic plateaus. *Earth and Planetary Science Letters*, **1991**, 104, 196-210	5.3	120
749	Madagascar basalts: tracking oceanic and continental sources. *Earth and Planetary Science Letters*, **1991**, 104, 350-363	5.3	128

748	The origin of ocean island basalt end-member compositions: trace element and isotopic constraints. *Earth and Planetary Science Letters*, **1991**, 104, 381-397	5.3	883
747	Isotopic composition of Oligocene mafic volcanic rocks in the Northern Rio Grande Rift: Evidence for contributions of ancient intraplate and subduction magmatism to evolution of the lithosphere. **1991**, 96, 13593-13608		32
746	Evidence for magma mixing and a heterogeneous mantle on the West Valley Segment of the Juan de Fuca Ridge. **1991**, 96, 16295		21
745	Heck and Heckle Seamounts, northeast Pacific Ocean: High extrusion rates of primitive and highly depleted mid-ocean ridge basalt on off-ridge seamounts. **1991**, 96, 16275		17
744	Heat flow constraints on the South Pacific Superswell. **1991**, 96, 16083		43
743	Nd-Sr isotopic and geochemical characteristics of the southern Adamello (northern Italy) intrusives: Implications for crustal versus mantle origin. **1991**, 96, 14331-14346		45
742	DUPAL anomaly in the Sea of Japan: Pb, Nd, and Sr isotopic variations at the eastern Eurasian continental margin. *Geochimica Et Cosmochimica Acta*, **1991**, 55, 3697-3708	5.5	109
741	Osmium isotopic characteristics of mantle-derived rocks. *Geochimica Et Cosmochimica Acta*, **1991**, 55, 1421-1434	5.5	196
740	The source of the subduction component in convergent margin magmas: Trace element and radiogenic isotope evidence from Eocene boninites, Mariana forearc. *Geochimica Et Cosmochimica Acta*, **1991**, 55, 1467-1481	5.5	113
739	Ocean Ridge Magmatic and Hydrothermal Geochemical Processes. **1991**, 29, 532-541		1
738	Isotope Geochemistry and Chemical Evolution of the Mantle and Crust. **1991**, 29, 457-470		54
737	Physical and chemical evidence on the cause and source characteristics of flood basalt volcanism. **1991**, 38, 525-544		110
736	A comparison of Sr-Nd-Pb isotopes in young and old continental lithospheric mantle: Patagonia and Eastern China. **1991**, 38, 545-557		22
735	Mantle plumes and entrainment: isotopic evidence. *Science*, **1992**, 256, 517-20	33.3	780
734	Isotopic evidence for complex Pb sources in the Ag-Pb-Zn-Au veins of the Kokanee Range, southeastern British Columbia. **1992**, 29, 418-431		10
733	Mantle: More HIMU in the future?. *Geochimica Et Cosmochimica Acta*, **1992**, 56, 4295-4299	5.5	29
732	Nd-Sr-Pb isotopic variations along the Gulf of Aden: Evidence for Afar Mantle Plume-Continental Lithosphere Interaction. **1992**, 97, 10927		198
731	Southwestern limits of Indian Ocean Ridge Mantle and the origin of low 206Pb/204Pb mid-ocean ridge basalt: Isotope systematics of the central Southwest Indian Ridge (17°-50°E). **1992**, 97, 19771		216

730	Iodine abundances in oceanic basalts: implications for Earth dynamics. *Earth and Planetary Science Letters*, **1992**, 108, 217-227	5.3	99
729	himu-em: The French Polynesian connection. *Earth and Planetary Science Letters*, **1992**, 110, 99-119	5.3	529
728	A new genetic model for the East Taiwan Ophiolite and its implications for Dupal domains in the Northern Hemisphere. *Earth and Planetary Science Letters*, **1992**, 109, 133-145	5.3	51
727	Ultrafast subduction: the key to slab recycling efficiency and mantle differentiation?. *Earth and Planetary Science Letters*, **1992**, 109, 517-530	5.3	58
726	Fossil plume head beneath the Arabian lithosphere?. *Earth and Planetary Science Letters*, **1992**, 114, 193-209	5.3	157
725	Binary mixing of enriched and undegassed (primitive?) mantle components (He, Sr, Nd, Pb) in Samoan lavas. *Earth and Planetary Science Letters*, **1992**, 111, 183-199	5.3	252
724	Sr, Nd, and Pb isotopes of ultramafic xenoliths in volcanic rocks of Eastern China: enriched components EMI and EMII in subcontinental lithosphere. *Earth and Planetary Science Letters*, **1992**, 113, 107-128	5.3	242
723	Isotopic compositions of late Cenozoic volcanics from southeast Papua New Guinea: Evidence for multi-component sources in arc and rift environments. *Chemical Geology*, **1992**, 97, 233-249	4.2	28
722	Magmatism in the South China Basin. *Chemical Geology*, **1992**, 97, 47-63	4.2	176
721	Magmatism in the South China Basin. *Chemical Geology*, **1992**, 97, 65-87	4.2	109
720	Petrogenesis of anomalous K-enriched MORB from the Southwest Indian Ridge: 11°53?E to 14°38?E. *Contributions To Mineralogy and Petrology*, **1992**, 110, 253-268	3.5	68
719	Petrogenesis of Variscan high-temperature Group A eclogites from the Moldanubian Zone of the Bohemian Massif, Czechoslovakia. *Contributions To Mineralogy and Petrology*, **1992**, 111, 468-483	3.5	84
718	A refractory HIMU component in the sources of island-arc magma. **1992**, 360, 57-59		11
717	Mixing in the Mantle. **1992**, 20, 365-388		38
716	The origin of the potassic rock suite from Batu Tara volcano (East Sunda Arc, Indonesia). *Lithos*, **1992**, 28, 261-282	2.9	39
715	Earth and Mars: Water inventories as clues to accretional histories. **1992**, 98, 61-71		83
714	Ophiolites and related metamorphic rocks from the Kütahya region, north-west Turkey. **1993**, 28, 399-412		39
713	Geochemistry and petrology of the late cenozoic alkali basalts of the western Carpathians (Czechoslovakia). **1993**, 48, 3-16		5

712	Granulite xenoliths from western Saudi Arabia: the lower crust of the late Precambrian Arbian-Nubian Shield. *Contributions To Mineralogy and Petrology*, **1993**, 114, 395-408	3.5	82
711	Trace element behavior in the alkali basalt-comenditic trachyte series from Mururoa Atoll, French Polynesia. *Lithos*, **1993**, 30, 1-22	2.9	59
710	Mineral chemistry of Carlsberg Ridge basalts at 3°35?□°41?N. **1993**, 13, 153-158		6
709	ReOs isotope systematics of HIMU and EMII oceanic island basalts from the south Pacific Ocean. *Earth and Planetary Science Letters*, **1993**, 114, 353-371	5.3	383
708	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 and Planetary Science Letters*, **1993**, 119, 459-475	5.3	61
707	Hf isotope composition of late Cenozoic basaltic rocks from northwestern Colorado, USA: New constraints on mantle enrichment processes. *Earth and Planetary Science Letters*, **1993**, 119, 495-509	5.3	41
706	The Pb isotopic evolution of the Earth: inferences from river water suspended loads. *Earth and Planetary Science Letters*, **1993**, 115, 245-256	5.3	103
705	Isotope and trace element geochemistry of MORB from the Nansen-Gakkel ridge at 86° north. *Earth and Planetary Science Letters*, **1993**, 120, 103-109	5.3	29
704	Geodynamics and mantle flow: an alternative earth model. **1993**, 33, 153-337		6
703	A Cold Suboceanic Mantle Belt at the Earth's Equator. *Science*, **1993**, 261, 315-20	33.3	56
702	Anthropogenic osmium in coastal deposits. **1993**, 27, 2719-2724		47
701	Mantle sources and magma-continental crust interactions during early Red Sea-Gulf of Aden rifting in southern Yemen: Elemental and Sr, Nd, Pb isotope evidence. **1993**, 98, 1819-1835		49
700	Sr-Nd-Pb isotope systematics of the Banda Arc, Indonesia: Combined subduction and assimilation of continental material. **1993**, 98, 22349-22366		100
699	Geochemical signatures of oceanic and continental basalts: a key to mantle dynamics?. **1993**, 150, 977-990		53
698	Geochemistry and age of the Ontong Java Plateau. **1993**, 233-261		113
697	Constraints on Pacific midplate swells from global depth-age and heat flow-age models. **1993**, 53-76		24
696	Cretaceous to Cenozoic volcanism in South Korea and in the Sea of Japan: magmatic constraints on the opening of the back-arc basin. **1994**, 81, 169-191		37
695	Fluid dynamic and geochemical aspects of entrainment in mantle plumes. **1994**, 99, 24275-24300		215

694	Pocho volcanic rocks and the melting of depleted continental lithosphere above a shallowly dipping subduction zone in the central Andes. *Contributions To Mineralogy and Petrology*, **1994**, 117, 25-44	3.5	71
693	Isotope evidence for ijolite formation by fenitization: SrNd data of ijolites from the type locality Iivaara, Finland. *Contributions To Mineralogy and Petrology*, **1994**, 115, 279-286	3.5	17
692	Nd, Pb and Sr isotopic data from the Napak carbonatite-nephelinite centre, eastern Uganda: an example of open-system crystal fractionation. *Contributions To Mineralogy and Petrology*, **1994**, 115, 356-366	3.5	45
691	Geochemistry and origin of the Proterozoic ultrapotassic rocks of the Churchill Province, Canada. **1994**, 51, 251-276		29
690	The relationship between alkaline magmatism, lithospheric extension and slab window formation along continental destructive plate margins. **1994**, 81, 265-285		34
689	Geochemical evidence for the southern China block being a part of Gondwana. **1994**, 9, 319-324		6
688	Nd and Sr isotope signatures of the Khibina and Lovozero agpaitic centres, Kola Alkaline province, Russia. *Lithos*, **1994**, 32, 225-242	2.9	138
687	Re-Os isotopic evidence for an enriched-mantle source for the Noril'sk-type, ore-bearing intrusions, Siberia. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 4179-4197	5.5	182
686	New He, Nd, Pb, and Sr isotopic constraints on the constitution of the Hawaiian plume: Results from Koolau Volcano, Oahu, Hawaii, USA. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 1431-1440	5.5	122
685	Geochemical characteristics of Koolau Volcano: Implications of intershield geochemical differences among Hawaiian volcanoes. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 1441-1462	5.5	170
684	Submarine lavas from Mauna Kea Volcano, Hawaii: Implications for Hawaiian shield stage processes. **1994**, 99, 15577		45
683	Mechanisms of Earth differentiation: Consequences for the chemical structure of the mantle. **1994**, 32, 337		56
682	Dupal anomaly of Brazilian carbonatites: Geochemical correlations with hotspots in the South Atlantic and implications for the mantle source. *Earth and Planetary Science Letters*, **1994**, 126, 315-331	5.3	67
681	C?He?Ar variations within a dunite nodule as a function of fluid inclusion morphology. *Earth and Planetary Science Letters*, **1994**, 128, 243-258	5.3	26
680	Komatiites and picrites: evidence that the plume source is depleted. *Earth and Planetary Science Letters*, **1994**, 128, 303-311	5.3	29
679	The sublithospheric mantle as the source of continental flood basalts; the case against the continental lithosphere and plume head reservoirs. *Earth and Planetary Science Letters*, **1994**, 123, 269-280	5.3	170
678	Major- and trace-element compositions of Cenozoic basalts in eastern China: Petrogenesis and mantle source. *Chemical Geology*, **1994**, 114, 19-42	4.2	124
677	The Nd-, Sr- and Pb-isotopic character of lavas from Taal, Laguna de Bay and Arayat volcanoes, southwestern Luzon, Philippines: Implications for arc magma petrogenesis. **1994**, 235, 205-221		32

676	Geochemical and isotopic (Nd, O, and Pb) constraints on granite sources in the Humber and Dunnage zones, Gaspšie, Quebec, and New Brunswick: implications for tectonics and crustal structure. **1994**, 31, 323-340		17
675	Middle Miocene bimodal volcanism by asthenospheric upwelling: Sr and Nd isotopic evidence from the back-arc region of the Northeast Japan arc.. *Geochemical Journal*, **1994**, 28, 473-487	0.9	38
674	The melting processes and composition of the North Atlantic (Iceland) plume: geochemical evidence from the Early Tertiary basalts. **1995**, 152, 975-978		17
673	Temporal evolution of the kerguelen plume: Geochemical evidence from 38 to 82 ma lavas forming the Ninetyeast ridge. *Contributions To Mineralogy and Petrology*, **1995**, 121, 12-28	3.5	55
672	Geochemical characteristics of lava-field basalts from eastern Australia and inferred sources: Connections with the subcontinental lithospheric mantle?. *Contributions To Mineralogy and Petrology*, **1995**, 121, 148-170	3.5	88
671	Petrogenesis of the late proterozoic cura□mafic dyke swarm, Brazil: Asthenospheric magrnatisrn associated with continental collision. **1995**, 53, 27-48		7
670	Sr-Nd-Pb isotope data for ultramafic xenoliths from Hierro, Canary Islands: Melt infiltration processes in the upper mantle. *Contributions To Mineralogy and Petrology*, **1995**, 119, 239-246	3.5	13
669	Oxygen isotope heterogeneity of the mantle deduced from global 18O systematics of basalts from different geotectonic settings. *Contributions To Mineralogy and Petrology*, **1995**, 120, 95-114	3.5	227
668	Oxygen isotope evidence against bulk recycled sediment in the mantle sources of Pitcairn Island lavas. **1995**, 377, 138-141		108
667	New evidence for the production of EM-type ocean island basalts and large volumes of volcaniclastites during the early history of the Manihiki Plateau. *Marine Geology*, **1995**, 122, 181-205	3.3	18
666	Alkali basalts and leucitites in an extensional intracontinental plate setting: The late Cenozoic Calatrava Volcanic Province (central Spain). *Lithos*, **1995**, 35, 27-46	2.9	80
665	Nd, Pb and Sr isotopic data from the Mount Elgon volcano, eastern Uganda-western Kenya: Implications for the origin and evolution of nephelinite lavas. *Lithos*, **1995**, 36, 141-153	2.9	30
664	Pb, Sr, and Nd isotopic systematics of rocks from the Galapagos Microplate. **1995**, 32, 508-515		
663	Stable isotopes of lead for source identification. **1995**, 33, 649-55		26
662	The Indian Ocean-Type Isotopic Signature in Western Pacific Marginal Basins: Origin and Significance. **1995**, 175-197		66
661	Rapid Temporal Changes in Ocean Island Basalt Composition: Evidence from an 800 m Deep Drill Hole in Eiao Shield (Marquesas). **1995**, 36, 1333-1365		28
660	Experimental petrology of upper mantle materials, processes and products. **1995**, 20, 429-468		61
659	Isotopic inferences on the chemical structure of the mantle. **1995**, 20, 365-386		33

658	Heterogeneous enriched mantle materials and dupal-type magmatism along the SW margin of the São Francisco craton, Brazil. **1995**, 20, 469-491		32
657	Petrology of the Proterozoic mafic dyke swarms of Uruguay and constraints on their mantle source composition. **1995**, 74, 177-194		24
656	Isotopic data from the Amba Dongar Carbonatite Complex, west-central India: Evidence for an enriched mantle source. *Chemical Geology*, **1995**, 122, 185-198	4.2	96
655	Differences between oceanic basalts by multitrace element ratio topology. *Earth and Planetary Science Letters*, **1995**, 129, 1-12	5.3	37
654	187Os/186Os in oceanic island basalts: tracing oceanic crust recycling in the mantle. *Earth and Planetary Science Letters*, **1995**, 129, 145-161	5.3	154
653	Enrichment of the continental lithosphere by OIB melts: Isotopic evidence from the volcanic province of northern Tanzania. *Earth and Planetary Science Letters*, **1995**, 130, 109-126	5.3	86
652	Geochemical evolution of rift magmas by progressive tapping of a stratified mantle source beneath the Ross Sea Rift, Northern Victoria Land, Antarctica. *Earth and Planetary Science Letters*, **1995**, 131, 207-224	5.3	69
651	Partitioning of elements among two silicate perovskites, superphase B, and volatile-bearing melt at 23 GPa and 1500–1600°C. *Earth and Planetary Science Letters*, **1995**, 134, 307-318	5.3	32
650	Thermal and chemical convection in planetary mantles. **1995**, 100, 497-520		23
649	The origin of Kenya rift plateau-type flood phonolites: Evidence from geochemical studies for fusion of lower crust modified by alkali basaltic magmatism. **1995**, 100, 411-422		27
648	Partial melting of melt metasomatized subcontinental mantle and the magma source potential of the lower lithosphere. **1995**, 100, 10255-10269		84
647	Nd and Sr Isotope Systematics of the Active Carbonatite Volcano, Oldoinyo Lengai. **1995**, 100-112		14
646	Zinc, Copper, and Lead Geochemistry of Oceanic Igneous Rocks: Ridges, Islands, and Arcs. *International Geology Review*, **1995**, 37, 379-420	2.3	14
645	Cenozoic volcanism in Antarctica: Jones Mountains and Peter I Island. *Geochimica Et Cosmochimica Acta*, **1995**, 59, 3379-3388	5.5	46
644	Osmium-187 enrichment in some plumes: evidence for core-mantle interaction?. *Science*, **1995**, 269, 819-822	33.3	169
643	Carbonatite Volcanism. **1995**,		21
642	Potassic Volcanic Rocks in NE China: Geochemical Constraints on Mantle Source and Magma Genesis. **1995**, 36, 1275-1303		137
641	Geochemistry of Cenozoic basaltic and silicic magmas in the central portion of the Loei-Phetchabun volcanic belt, Lop Buri, Thailand. **1995**, 32, 393-409		12

640	Petrogenesis and regional tectonic significance of Late Devonian mafic intrusions in the Meguma Zone, Nova Scotia. **1995**, 32, 1883-1898		26
639	Geochemistry and geochronology of ancient southeast Indian and southwest Pacific seafloor. **1995**, 100, 22261-22282		65
638	Petrogenesis of alkaline basalts from Socorro Island, Mexico: Trace element evidence for contamination of ocean island basalt in the shallow ocean crust. **1995**, 100, 24555-24576		44
637	Petrogenesis of the Bunbury Basalt, Western Australia: interaction between the Kerguelen plume and Gondwana lithosphere?. *Earth and Planetary Science Letters*, **1996**, 144, 163-183	5.3	96
636	Geochemistry of the Tertiary volcanism of Northern Ireland. *Chemical Geology*, **1996**, 129, 15-38	4.2	33
635	The boron systematics of intraplate lavas: Implications for crust and mantle evolution. *Geochimica Et Cosmochimica Acta*, **1996**, 60, 415-422	5.5	93
634	MORB mantle and subduction components interact to generate basalts in the southern Mariana Trough back-arc basin. *Geochimica Et Cosmochimica Acta*, **1996**, 60, 2153-2166	5.5	208
633	Introduction to Special Section: Hawaii Scientific Drilling Project. **1996**, 101, 11593-11598		46
632	Role of the Kerguelen Plume in generating the eastern Indian Ocean seafloor. **1996**, 101, 13831-13849		55
631	Major, trace element, and isotopic compositions of Vietnamese basalts: Interaction of hydrous EM1-rich asthenosphere with thinned Eurasian lithosphere. *Geochimica Et Cosmochimica Acta*, **1996**, 60, 4329-4351	5.5	105
630	Geochemistry of garnet peridotite massifs from lower Austria and the composition of deep lithosphere beneath a Palaeozoic convergent plate margin. *Chemical Geology*, **1996**, 134, 49-65	4.2	46
629	Oxygen isotope constraints on the sources of Hawaiian volcanism. *Earth and Planetary Science Letters*, **1996**, 144, 453-467	5.3	186
628	Correlated He and Sr isotope ratios in South Atlantic near-ridge seamounts and implications for mantle dynamics. *Earth and Planetary Science Letters*, **1996**, 144, 491-503	5.3	34
627	Extreme HIMU in an oceanic setting: the geochemistry of Mangaia Island (Polynesia), and temporal evolution of the Cook–Austral hotspot. **1996**, 72, 1-19		141
626	Subduction-modified subcontinental mantle in South China: Trace element and isotope evidence in basalts from Hainan Island. **1996**, 15, 1-19		12
625	Source characteristics of the basement rocks from the Sulu and Celebes Basins (Western Pacific): chemical and isotopic evidence. *Contributions To Mineralogy and Petrology*, **1996**, 123, 159-176	3.5	25
624	Geochemistry and mineralogy of alkali basalts from Tropic Seamount, Central Atlantic Ocean. *Marine Geology*, **1996**, 136, 1-19	3.3	8
623	Two mantle-plume components in Hawaiian picrites inferred from correlated Os–Pb isotopes. **1996**, 381, 221-224		99

622	Carbonatite Magmatism and Plume Activity: Implications from the Nd, Pb and Sr Isotope Systematics of Oldoinyo Lengai. **1996**, 37, 1321-1339		158
621	Pan-African magmatism in the Wadi El-Imra district, Central Eastern Desert, Egypt: geochemistry and tectonic environment. **1996**, 153, 705-718		34
620	The Mesozoic to Early Cenozoic Magmatism of the Benue Trough (Nigeria); Geochemical Evidence for the Involvement of the St Helena Plume. **1996**, 37, 1341-1358		65
619	Tectonics and magmatism associated with Mesozoic passive continental margin development in the Middle East. **1997**, 154, 459-464		47
618	Geochemical and isotopic constraints on subduction polarity, magma sources, and palaeogeography of the Kohistan intra-oceanic arc, northern Pakistan Himalaya. **1997**, 154, 935-946		113
617	Petrogenesis of axial lavas from the southern Chile Ridge: Major element constraints. **1997**, 102, 14963-14990		18
616	Hafnium isotope evidence for the origin of Cenozoic basaltic lavas from the southwestern United States. **1997**, 102, 20149-20178		42
615	Quaternary volcanic activity of the southern Red Sea: new data and assessment of models on magma sources and Afar plume-lithosphere interaction. **1997**, 278, 15-29		54
614	Inferences about mantle magma sources from incompatible element concentration ratios in oceanic basalts. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 765-784	5.5	119
613	Radiometric ages of basaltic achondrites and their relation to the early history of the solar system. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 1713-1731	5.5	83
612	Oxygen isotope variations in ocean island basalt phenocrysts. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 2281-2293	5.5	197
611	Applications of the 190Pt?186Os isotope system to geochemistry and cosmochemistry. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 4799-4807	5.5	147
610	Two terrestrial lead isotope paradoxes, forward transport modelling, core formation and the history of the continental crust. *Chemical Geology*, **1997**, 139, 75-110	4.2	294
609	Hafnium isotopic studies of the Cameroon line and new HIMU paradoxes. *Chemical Geology*, **1997**, 139, 111-124	4.2	71
608	Fractionation of U and Th during mantle melting: a reprise. *Chemical Geology*, **1997**, 139, 165-183	4.2	85
607	Hobbs Coast Cenozoic volcanism: Implications for the West Antarctic rift system. *Chemical Geology*, **1997**, 139, 223-248	4.2	91
606	Th Sr Nd Pb isotope and trace element evidence for the origin of the São Miguel, Azores, enriched mantle source. *Chemical Geology*, **1997**, 140, 49-68	4.2	95
605	Plume-lithosphere interactions in the ocean basins: constraints from the source mineralogy. *Earth and Planetary Science Letters*, **1997**, 150, 245-260	5.3	249

604	A model for the layered upper mantle. **1997**, 100, 197-212		18
603	Geochemistry of Mesozoic Pacific mid-ocean ridge basalt: Constraints on melt generation and the evolution of the Pacific upper mantle. **1997**, 102, 5207-5229		63
602	Sources of Proterozoic mafic dyke swarms: constraints from ThTa and LaYb ratios. **1997**, 81, 3-14		117
601	Isotopic and geochemical constraints on the evolution of the 1.93-1.79 Ga Svecofennian crust and mantle in Finland. **1997**, 82, 13-34		93
600	References. **1997**, 259-278		
599	Time-dependent thermal convection, mantle differentiation and continental-crust growth. **1997**, 130, 303-325		13
598	Late Archaean Mantle Fertility : Constraints from Metavolcanics of the Sandur Schist Belt, India. *Gondwana Research*, **1997**, 1, 69-89	5.1	13
597	Sr-Nd-Pb isotopes of Tertiary volcanics of King George Island, Antarctica. **1997**, 42, 1913-1918		3
596	Carbonatites--Into the Twenty-First Century. **1998**, 39, 1839-1845		89
595	Fukutoku-oka-no-ba Volcano: A new perspective on the Alkalic Volcano Province in the Izu Bonin Mariana arc. **1998**, 7, 432-442		15
594	Isotopic and trace-element indications of lithospheric and asthenospheric components in Tertiary alkalic basalts, northeastern Brazil. *Lithos*, **1998**, 43, 197-217	2.9	25
593	Geochemical and isotopic (Nd Pb Sr) variations bearing on the genesis of volcanic rocks from Vesuvius, Italy. **1998**, 82, 53-78		124
592	The Hasan Dagi stratovolcano (Central Anatolia, Turkey): evolution from calc-alkaline to alkaline magmatism in a collision zone. **1998**, 87, 275-302		80
591	Petrogenesis of isotopically unusual Pliocene olivine leucitites from Deep Springs Valley, California. *Contributions To Mineralogy and Petrology*, **1998**, 133, 402-417	3.5	9
590	Isotope Geochemistry of the Oceanic Mantle Near the Bouvet Triple Junction. *Geochimica Et Cosmochimica Acta*, **1998**, 62, 841-852	5.5	55
589	Correlated helium and lead isotope variations in Hawaiian lavas. *Geochimica Et Cosmochimica Acta*, **1998**, 62, 1977-1984	5.5	36
588	Geochemical and isotopic (Sr, Nd, Pb) evidence for plume lithosphere interactions in the genesis of Grande Comore magmas (Indian Ocean). *Chemical Geology*, **1998**, 144, 281-303	4.2	69
587	Hf isotope constraints on mantle evolution. *Chemical Geology*, **1998**, 145, 447-460	4.2	250

586	Sr, Nd and Pb isotopic variation along the Pacific–Antarctic risecrest, 53–57°S: Implications for the composition and dynamics of the South Pacific upper mantle. *Earth and Planetary Science Letters*, **1998**, 154, 109-125	5.3	61
585	Isotopic characteristics of subduction fluids in an intra-oceanic setting, Izu–Bonin Arc, Japan. *Earth and Planetary Science Letters*, **1998**, 164, 79-98	5.3	189
584	Enriched Subcontinental Upper Mantle beneath Southern India: Evidence from Pb, Nd, Sr, and C-O Isotopic Studies on Tamil Nadu Carbonatites. **1998**, 39, 1765-1785		48
583	Origin of the Indian Ocean-type isotopic signature in basalts from Philippine Sea plate spreading centers: An assessment of local versus large-scale processes. **1998**, 103, 20963-20979		146
582	Elemental and isotopic (Sr, Nd, and Pb) characteristics of Madeira Island basalts: evidence for a composite HIMU - EM I plume fertilizing lithosphere. **1998**, 35, 980-997		28
581	Geochemical and Nd, Pb, and Sr Isotope Data from Deccan Alkaline Complexes—Inferences for Mantle Sources and Plume–lithosphere Interaction. **1998**, 39, 1847-1864		113
580	Pb, Sr and Nd Isotopic Systematics of the Carbonatites of Sung Valley, Meghalaya, Northeast India: Implications for Contemporary Plume-Related Mantle Source Characteristics. **1998**, 39, 1875-1884		33
579	Nd and Sr Isotope Signatures of Fenites from Oldoinyo Lengai, Tanzania, and the Genetic Relationships between Nephelinites, Phonolites and Carbonatites. **1998**, 39, 1997-2004		8
578	Pb-Sr-Nd Isotope Data from 30 and 300 Ma Collision Zone Carbonatites in Northwest Pakistan. **1998**, 39, 1865-1874		43
577	Radiogenic Isotope Constraints on Relationships between Carbonatites and Associated Silicate Rocks--a Brief Review. **1998**, 39, 1987-1996		71
576	Tracing the Indian Ocean Mantle Domain Through Time: Isotopic Results from Old West Indian, East Tethyan, and South Pacific Seafloor. **1998**, 39, 1285-1306		237
575	The geodynamic significance of the DUPAL anomaly in Asia. **1998**, 89-105		17
574	Nature of the lithospheric mantle beneath NE China: Evidence from potassic volcanic rocks and mantle xenoliths. **1998**, 197-219		22
573	Geochemistry and petrogenesis of Jeungok basalts in mid-Korean peninsula.. **1999**, 94, 222-240		5
572	Polybaric Petrogenesis of Mafic Layers in the Horoman Peridotite Complex, Japan. **1999**, 40, 1827-1851		34
571	Post-Collisional Alkaline Magmatism on the Taquarembó Plateau: A Well-Preserved Neoproterozoic–Cambrian Plutono-volcanic Association in Southern Brazil. *International Geology Review*, **1999**, 41, 1082-1098	2.3	21
570	Origin and implications of mafic xenoliths associated with Cenozoic extension-related volcanism in the Valencia Trough, NE Spain. **1999**, 65, 113-139		23
569	Plio-Quaternary volcanotectonic activity in the northern sector of the Main Ethiopian Rift: relationships with oblique rifting. **1999**, 29, 679-698		60

568	Geology and geochemistry of basaltic lava flows and dikes from the Trans-Koolau tunnel, Oahu, Hawaii. **1999**, 60, 381-401		38
567	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*, **1999**, 46, 773-802	2.9	129
566	Babu - Phu Ngu Ophiolites: A Geological Record of Paleotethyan Ocean Bordering China and Vietnam. *Gondwana Research*, **1999**, 2, 554-557	5.1	30
565	Geochemical and Sr-Nd isotopic characteristics of volcanic rocks from the Okinawa Trough and Ryukyu Arc: Implications for the evolution of a young, intracontinental back arc basin. **1999**, 104, 10591-10608		293
564	The Effect of Hydrothermal Alteration on the Sr and Nd Isotopic Signatures of the Barra do Itapirapu Carbonatite, Southern Brazil. **1999**, 107, 177-191		10
563	Crustal control in the genesis of Plio-Quaternary bimodal magmatism of the Main Ethiopian Rift (MER): geochemical and isotopic (Sr, Nd, Pb) evidence. *Chemical Geology*, **1999**, 155, 201-231	4.2	138
562	Plume related alkaline magmatism in central Africa he Meidob Hills (W Sudan). *Chemical Geology*, **1999**, 157, 27-47	4.2	47
561	Geochemistry of high Mg andesites and the tectonic evolution of the Okinawa Trough yukyu arc system. *Chemical Geology*, **1999**, 157, 69-88	4.2	121
560	Evaluation of the coprecipitation of incompatible trace elements with fluoride during silicate rock dissolution by acid digestion. *Chemical Geology*, **1999**, 157, 175-187	4.2	207
559	Extreme 3He/4He ratios in northwest Iceland: constraining the common component in mantle plumes. *Earth and Planetary Science Letters*, **1999**, 173, 53-60	5.3	143
558	The fingerprint of seawater circulation in a 500-meter section of ocean crust gabbros. *Geochimica Et Cosmochimica Acta*, **1999**, 63, 4059-4080	5.5	229
557	Dynamics of the Galapagos hotspot from helium isotope geochemistry. *Geochimica Et Cosmochimica Acta*, **1999**, 63, 4139-4156	5.5	137
556	Plume-ridge interactions of the Discovery and Shona mantle plumes with the southern Mid-Atlantic Ridge (40°-55°S). **1999**, 104, 2941-2962		124
555	Isotope geochemistry of the Darwin Rise seamounts and the nature of long-term mantle dynamics beneath the south central Pacific. **1999**, 104, 10571-10589		35
554	Mantle plumes and Antarctica-New Zealand rifting: evidence from mid-Cretaceous mafic dykes. **1999**, 156, 659-671		127
553	Geochemistry of Cenozoic volcanic rocks from Kirin Province, northeast China.. *Geochemical Journal* , **2000**, 34, 33-58	0.9	22
552	Geochemical characteristics of Carboniferous greenstones in the Inner Zone of Southwest Japan. **2000**, 9, 81-96		39
551	Geochemistry of the Quaternary alkali basalts of Garrotxa (NE Volcanic Province, Spain): a case of double enrichment of the mantle lithosphere. **2000**, 102, 217-235		60

550	Early Miocene lamproite from the Colorado Plateau tectonic province, Southeastern Utah, USA. **2000**, 96, 175-190		16
549	Geochemical variation within the northern Ryukyu Arc: magma source compositions and geodynamic implications. *Contributions To Mineralogy and Petrology*, **2000**, 140, 263-282	3.5	276
548	Enriched End-member of Primitive MORB Melts: Petrology and Geochemistry of Glasses from Macquarie Island (SW Pacific). **2000**, 41, 411-430		81
547	Os Isotopes and the Origin of the Tasmanian Dolerites. **2000**, 41, 905-918		39
546	Agpaitic magmatism in the northeastern Baltic Shield: a study of the Niva intrusion, Kola Peninsula, Russia. *Lithos*, **2000**, 51, 27-46	2.9	19
545	Trindade and Martin Vaz Islands, South Atlantic: Isotopic (Sr, Nd, Pb) and trace element constraints on plume related magmatism. *Journal of South American Earth Sciences*, **2000**, 13, 79-103	2	56
544	Geochemistry of Late Cenozoic basalts from the Crary Mountains: characterization of mantle sources in Marie Byrd Land, Antarctica. *Chemical Geology*, **2000**, 165, 215-241	4.2	75
543	Oceanic Islands, Large Igneous Provinces, Mafic Dyke Swarms, and Intracontinental Alkaline Magmatism. **2000**, 111-214		
542	The Santanópolis Syenite: Genesis and Evolution of Paleoproterozoic Shoshonitic Syenites in Northeastern Brazil. *International Geology Review*, **2000**, 42, 941-957	2.3	7
541	Tracing a mantle plume: Isotopic and trace element variations of Galápagos seamounts. **2001**, 2, n/a-n/a		97
540	Quantifying mixing and age variations of heterogeneities in models of mantle convection: Role of depth-dependent viscosity. **2001**, 106, 6747-6759		17
539	Volcanic layers in Antarctic (Vostok) ice cores: Source identification and atmospheric implications. **2001**, 106, 31915-31931		62
538	Effects of recycled materials involved in a mantle source beneath the southwest Japan arc region: evidence from noble gas, Sr, and Nd isotopic systematics. *Chemical Geology*, **2001**, 175, 509-522	4.2	26
537	Nd- and Pb-isotopic variations through the upper oceanic crust in DSDP/ODP Hole 504B, Costa Rica Rift. *Earth and Planetary Science Letters*, **2001**, 189, 221-235	5.3	16
536	Radiogenic ingrowth in systems with multiple reservoirs: applications to the differentiation of the mantle–crust system. *Earth and Planetary Science Letters*, **2001**, 189, 59-73	5.3	35
535	Seismic evidence for a thermo-chemical boundary at the base of the Earth's mantle. *Earth and Planetary Science Letters*, **2001**, 189, 141-153	5.3	110
534	Anomalous strontium and lead isotope signatures in the off-rift Þjórsá–Tertukull central volcano in south-east Iceland: Evidence for enriched endmember(s) of the Iceland mantle plume?. *Earth and Planetary Science Letters*, **2001**, 190, 211-220	5.3	48
533	Effect of melt–rock interaction on geochemistry in the Kudi ophiolite (western Kunlun Mountains, northwestern China): implication for ophiolite origin. *Earth and Planetary Science Letters*, **2001**, 191, 33-48	5.3	33

532	Seismic evidence for a rapidly varying compositional anomaly at the base of the Earth's mantle beneath the Indian Ocean. *Earth and Planetary Science Letters*, **2001**, 194, 83-95	5.3	88
531	Study on the Sr, Nd, Pb and O isotopes of basic dyke swarms in the Wudang block and basic volcanics of the Yaolinghe Group. **2001**, 20, 193-200		6
530	Geochemistry of basic dykes in Wudang block and its tectonic significance. **2001**, 20, 315-323		8
529	Evidence for a plate tectonics debate. **2001**, 55, 235-336		4
528	Nd, Pb and Sr Isotopic Compositions of East African Carbonatites: Evidence for Mantle Mixing and Plume Inhomogeneity. **2001**, 42, 1927-1945		181
527	Permian volcanism in the Mongolian orogenic zone, northeast China: geochemistry, magma sources and petrogenesis. *Geological Magazine*, **2001**, 138, 101-115	2	59
526	Further Considerations of the Ce/Yb vs. Ba/Ce Plot in Volcanology and Tectonics. *International Geology Review*, **2002**, 44, 877-912	2.3	6
525	Genesis of Pyroxenite-rich Peridotite at Cabo Ortegal (NW Spain): Geochemical and Pb-Sr-Nd Isotope Data. **2002**, 43, 17-43		101
524	Osmium isotopes and mantle convection. **2002**, 360, 2371-82		38
523	Geodynamic and seismic constraints on the thermochemical structure and dynamics of convection in the deep mantle. **2002**, 360, 2521-43		25
522	Hf isotope evidence for a hidden mantle reservoir. **2002**, 30, 771		78
521	Mesozoic volcanism in the Middle East: geochemical, isotopic and petrogenetic evolution of extension-related alkali basalts from central Lebanon. *Geological Magazine*, **2002**, 139, 621-640	2	39
520	Sm-Nd age and mantle source characteristics of the Dhanjori volcanic rocks, Eastern India.. *Geochemical Journal*, **2002**, 36, 503-518	0.9	64
519	The evolution of mantle mixing. **2002**, 360, 2411-31		29
518	Cenozoic magmatism in the western Ross Embayment: Role of mantle plume versus plate dynamics in the development of the West Antarctic Rift System. **2002**, 107, ECV 5-1-ECV 5-22		110
517	Pervasive mantle plume head heterogeneity: Evidence from the late Cretaceous Caribbean-Colombian oceanic plateau. **2002**, 107, ECV 2-1-ECV 2-13		62
516	Probing the mantle: The story from carbonatites. **2002**, 83, 273		58
515	Recent sediment studies refute Glen Canyon Dam Hypothesis. **2002**, 83, 273		45

514	The cretaceous Ladakh arc of NW himalaya—slab melting and melt–mantle interaction during fast northward drift of Indian Plate. *Chemical Geology*, **2002**, 182, 139-178	4.2	113
513	Geochemical constraints on the petrogenesis of high-Mg basaltic andesites from the Northern Taiwan Volcanic Zone. *Chemical Geology*, **2002**, 182, 513-528	4.2	26
512	MORB-type rocks from the Paleo-Tethyan Mian-Lueyang northern ophiolite in the Qinling Mountains, central China: implications for the source of the low 206Pb/204Pb and high 143Nd/144Nd mantle component in the Indian Ocean. *Earth and Planetary Science Letters*, **2002**, 198, 323-337	5.3	125
511	Volatiles in basaltic glasses from the Easter-Salas y Gomez Seamount Chain and Easter Microplate: Implications for geochemical cycling of volatile elements. **2002**, 3, 1-29		107
510	D/H ratios in basalt glasses from the Salas y Gomez mantle plume interacting with the East Pacific Rise: Water from old D-rich recycled crust or primordial water from the lower mantle?. **2002**, 3, 1-26		37
509	Volcanisme de l'île aux Pingouins, archipel Crozet, témoin de l'hétérogénéité du manteau fertile au sud de l'océan Indien. **2002**, 334, 481-488		6
508	Pb–Nd–Sr isotope and trace element geochemistry of Quaternary extension-related alkaline volcanism: a case study of Kula region (western Anatolia, Turkey). **2002**, 115, 487-510		108
507	Geochemistry and petrogenesis of sodic and potassic mafic alkaline rocks in the Deccan Volcanic Province, Mumbai Area (India). **2002**, 74, 323-342		32
506	Composition and evolution of submarine volcanic rocks from the central and western Canary Islands. **2002**, 91, 562-582		44
505	Geochemical evolution of the Dras–Kohistan Arc during collision with Eurasia: Evidence from the Ladakh Himalaya, India. **2002**, 11, 255-273		49
504	Mantle Mixing: The Generation, Preservation, and Destruction of Chemical Heterogeneity. **2002**, 30, 493-525		184
503	Geochemistry of carbonatites in Maoniuping REE deposit, Sichuan province, China. **2003**, 46, 246-256		34
502	RECOGNIZINGMANTLEPLUMES IN THEGEOLOGICALRECORD. **2003**, 31, 469-523		239
501	Lateral flow of African mantle below the nearby Tyrrhenian plate: geochemical evidence. **2003**, 15, 433-440		47
500	Hf isotope constraints on mantle sources and shallow-level contaminants during Kerguelen hot spot activity since ~120 Ma. **2003**, 4,		57
499	Geochemistry of Mesozoic Mafic Rocks Adjacent to the Chenzhou-Linwu fault, South China: Implications for the Lithospheric Boundary between the Yangtze and Cathaysia Blocks. *International Geology Review*, **2003**, 45, 263-286	2.3	232
498	Theistareykir revisited. **2003**, 4,		132
497	Recycling oceanic crust: Quantitative constraints. **2003**, 4,		318

496	Pb-Sr-He isotope and trace element geochemistry of the Cape Verde Archipelago. *Geochimica Et Cosmochimica Acta*, **2003**, 67, 3717-3733	5.5	95
495	Implications of widespread high-□volcanism on the Arabian Plate for Afar mantle plume and lithosphere composition. *Chemical Geology*, **2003**, 198, 47-61	4.2	86
494	Geochemistry of Cenozoic volcanic rocks and related ultramafic xenoliths from the Jilin and Heilongjiang provinces, northeast China. *Journal of Asian Earth Sciences*, **2003**, 21, 1069-1084	2.8	28
493	Intraplate strike-slip tectonics as an alternative to mantle plume activity for the Cenozoic rift magmatism in the Ross Sea region, Antarctica. **2003**, 210, 145-158		27
492	U-series Constraints on Intraplate Basaltic Magmatism. **2003**, 52, 215-254		42
491	Intra-oceanic subduction systems: introduction. **2003**, 219, 1-17		40
490	An Overview of the Izu-Bonin-Mariana Subduction Factory. **2003**, 175-222		174
489	Geochemistry of late Mesozoic mafic magmatism in west Shandong Province, eastern China: Characterizing the lost lithospheric mantle beneath the North China Block.. *Geochemical Journal*, **2003**, 37, 63-77	0.9	75
488	6. U-series Constraints on Intraplate Basaltic Magmatism. **2003**, 215-254		9
487	Upper Paleozoic Basalts in the Southern Yangtze Block: Geochemical and Sr-Nd Isotopic Evidence for Asthenosphere-Lithosphere Interaction and Opening of the Paleo-Tethyan Ocean. *International Geology Review*, **2004**, 46, 332-346	2.3	18
486	Geochemical Constraints for the Genesis of Post-collisional Magmatism and the Geodynamic Evolution of the Northern Taiwan Region. **2004**, 45, 975-1011		137
485	Cenozoic Magmatism of the North-Eastern Eurasian Margin: The Role of Lithosphere Versus Asthenosphere. **2004**, 46, 221-253		61
484	Cenozoic volcanism in the Middle East: petrogenesis of alkali basalts from northern Lebanon. *Geological Magazine*, **2004**, 141, 545-563	2	50
483	Subducted upper and lower continental crust contributes to magmatism in the collision sector of the Sunda-Banda arc, Indonesia. **2004**, 32, 41		41
482	Sr and Nd isotopic compositions of the magma source beneath north Hokkaido, Japan: comparison with the back-arc side in the NE Japan arc. **2004**, 134, 57-75		36
481	Evidence of crustal contamination, sediment, and fluid components in the campanian volcanic rocks. **2004**, 138, 1-26		16
480	Nature of the Source Regions for Post-collisional, Potassic Magmatism in Southern and Northern Tibet from Geochemical Variations and Inverse Trace Element Modelling. **2004**, 45, 555-607		261
479	Recycled metasomatized lithosphere as the origin of the Enriched Mantle II (EM2) end-member: Evidence from the Samoan Volcanic Chain. **2004**, 5, n/a-n/a		293

478	Mapping the geometry and geographic distribution of a very low velocity province at the base of the Earth's mantle. **2004**, 109,		79
477	Lead isotopic systematics of major river sediments: a new estimate of the Pb isotopic composition of the Upper Continental Crust. *Chemical Geology*, **2004**, 203, 75-90	4.2	142
476	Origin of Cretaceous continental tholeiites in southwestern Australia and eastern India: insights from Hf and Os isotopes. *Chemical Geology*, **2004**, 209, 83-106	4.2	31
475	Lithium abundance and lithium isotope variations in mantle sources: insights from intraplate volcanic rocks from Ross Island and Marie Byrd Land (Antarctica) and other oceanic islands. *Chemical Geology*, **2004**, 212, 125-142	4.2	68
474	Mafic volcanic rocks on King Island, Tasmania: evidence for 579 Ma break-up in east Gondwana. **2004**, 135, 177-191		51
473	Age, geochemistry and tectonic setting of Buqingshan ophiolites, North Qinghai-Tibet Plateau, China. *Journal of Asian Earth Sciences*, **2004**, 23, 577-596	2.8	168
472	The statistical upper mantle assemblage. *Earth and Planetary Science Letters*, **2004**, 217, 123-139	5.3	122
471	Research on Crust Structure and Lithosphere Property Beneath the Okinawa Through Area. **2004**, 47, 525-532		8
470	Genesis of the carbonatite-syenite complex and REE deposit at Maoniuping, Sichuan Province, China: Evidence from Pb isotope geochemistry. *Geochemical Journal*, **2004**, 38, 67-76	0.9	16
469	Emplacement age and isotope geochemistry of Sung Valley alkaline–carbonatite complex, Shillong Plateau, northeastern India: implications for primary carbonate melt and genesis of the associated silicate rocks. *Lithos*, **2005**, 81, 33-54	2.9	72
468	Modeling of subduction components in the Genesis of the Meso-Cenozoic igneous rocks from the South Shetland Arc, Antarctica. *Lithos*, **2005**, 82, 435-453	2.9	19
467	First lead isotopic data for cinnabar in the Almadħ district (Spain): implications for the genesis of the mercury deposits. **2005**, 40, 115-122		18
466	Clinopyroxene megacrysts from Enmelen melanephelinitic volcanoes (Chukchi Peninsula, Russia): application to composition and evolution of mantle melts. *Contributions To Mineralogy and Petrology*, **2005**, 150, 85-101	3.5	52
465	Elemental and Sr–Nd isotopic systematics of the early Mesozoic volcanic sequence in southern Jiangxi Province, South China: petrogenesis and tectonic implications. **2005**, 94, 53-65		73
464	Origin of the deep fluids in the paleosubduction zones in western Tianshan: Evidence from Pb- and Sr-isotope compositions of high-pressure veins and host rocks. **2005**, 48, 1627-1636		1
463	Isotope geochemistry of oceanic volcanics. **2005**, 136-173		
462	Geochemical Characteristics and Genesis of the Luxi-Xianrenzhang Diabase Dikes in Xiazhuang Uranium Orefield, Northern Guangdong Province. *Acta Geologica Sinica*, **2005**, 79, 497-506	0.7	6
461	Evidence for a Widespread Tethyan Upper Mantle with Indian-Ocean-Type Isotopic Characteristics. **2005**, 46, 829-858		178

460	Potassic and low- and high-Ti mildly alkaline volcanism in the Neoproterozoic Ramada Plateau, southernmost Brazil. *Journal of South American Earth Sciences*, **2005**, 18, 237-254	2	43
459	Os isotope systematics in Fogo Island: Evidence for lower continental crust fragments under the Cape Verde Southern Islands. *Chemical Geology*, **2005**, 219, 93-113	4.2	57
458	Sr□Nd□Pb isotope and trace element systematics of mantle xenoliths from Late Cenozoic alkaline lavas, South Korea. *Chemical Geology*, **2005**, 221, 40-64	4.2	61
457	Flow and melting of a heterogeneous mantle: 2. Implications for a chemically nonlayered mantle. *Earth and Planetary Science Letters*, **2005**, 230, 47-63	5.3	79
456	Major and trace element composition of the depleted MORB mantle (DMM). *Earth and Planetary Science Letters*, **2005**, 231, 53-72	5.3	1802
455	Melt-generation processes associated with the Tristan mantle plume: Constraints on the origin of EM-1. *Earth and Planetary Science Letters*, **2005**, 237, 744-767	5.3	91
454	Oxygen□osmium isotope systematics of West Maui lavas: A record of shallow-level magmatic processes. *Earth and Planetary Science Letters*, **2005**, 239, 122-139	5.3	21
453	Origin of depleted components in basalt related to the Hawaiian hot spot: Evidence from isotopic and incompatible element ratios. **2005**, 6,		60
452	FOZO, HIMU, and the rest of the mantle zoo. **2005**, 6, n/a-n/a		421
451	New insights into the origin and distribution of the DUPAL isotope anomaly in the Indian Ocean mantle from MORB of the Southwest Indian Ridge. **2005**, 6, n/a-n/a		91
450	Mantle-Derived, UHP Garnet Pyroxenite and Eclogite in the Moldanubian Gföhl Nappe, Bohemian Massif: A Geochemical Review, New P-T Determinations, and Tectonic Interpretation. *International Geology Review*, **2006**, 48, 765-777	2.3	68
449	Chapter 3A Petrology, geochemistry, isotopes. **2006**, 25, 47-60		4
448	Heterogeneity of a Plume Axis: Bulk-Rock Geochemical Evidence from Picrites and Basalts in the Emei Large Igneous Province, Southwest China. *International Geology Review*, **2006**, 48, 1087-1112	2.3	13
447	Tertiary-Quaternary subduction processes and related magmatism in the Alpine-Mediterranean region. **2006**, 32, 167-190		31
446	Trace element composition of mantle end-members: Implications for recycling of oceanic and upper and lower continental crust. **2006**, 7, n/a-n/a		331
445	Geochemistry of South African On- and Off-craton, Group I and Group II Kimberlites: Petrogenesis and Source Region Evolution. **2006**, 47, 673-703		293
444	Indications of a major Neolithic trade route? An archaeometric geochemical and Sr, Pb isotope study on amphibolitic raw material from present day Europe. **2006**, 21, 1635-1655		7
443	Geochemical component relationships in MORB from the Mid-Atlantic Ridge, 22□35°N. *Earth and Planetary Science Letters*, **2006**, 241, 844-862	5.3	62

442	A compositional anomaly at the Earth's core–mantle boundary as an anchor to the relatively slowly moving surface hotspots and as source to the DUPAL anomaly. *Earth and Planetary Science Letters*, **2006**, 246, 138-148	5.3	34
441	Geochemistry of basalt from the Ayu Trough, equatorial western Pacific. *Earth and Planetary Science Letters*, **2006**, 248, 700-714	5.3	9
440	Upper mantle isotopic components beneath the Ryukyu arc system: Evidence for "back-arc" entrapment of Pacific MORB mantle. *Earth and Planetary Science Letters*, **2006**, 249, 229-240	5.3	38
439	The differentiation and rates of generation of the continental crust. *Chemical Geology*, **2006**, 226, 134-143	4.2	92
438	Isotope geochemistry and FOZO mantle component of the alkaline–carbonatitic association of Fuerteventura, Canary Islands, Spain. *Chemical Geology*, **2006**, 232, 99-113	4.2	39
437	The Yanbian Terrane (Southern Sichuan Province, SW China): A Neoproterozoic arc assemblage in the western margin of the Yangtze Block. **2006**, 144, 19-38		358
436	Petrogenesis of the Kunavaram alkaline complex and the tectonothermal evolution of the neighboring Eastern Ghats Belt granulites, SE India. **2006**, 150, 73-94		20
435	Sr-Nd-Pb isotopic systems in basalts of the Franz Josef Land Archipelago. **2006**, 44, 327-337		10
434	Geochemical and isotopic features of basalts in the axial Mid-Atlantic Ridge near the Martin Vaz Fracture Zone, South Atlantic (19°–20° S). **2006**, 407, 401-407		3
433	The sea of Okhotsk Geotraverse: Tectonomagmatic evolution of Cenozoic extension structures and implication for their deep structure. **2006**, 411, 1346-1350		4
432	Zircon U-Pb geochronology and elemental and Sr–Nd isotope geochemistry of Permian mafic rocks in the Funing area, SW China. *Contributions To Mineralogy and Petrology*, **2006**, 151, 1-19	3.5	112
431	Isotope and trace element evidence for depleted lithosphere in the source of enriched Ko'olau basalts. *Contributions To Mineralogy and Petrology*, **2006**, 151, 297-312	3.5	46
430	Mesoproterozoic rifting and Pan-African continental collision in SE India: evidence from the Khariar alkaline complex. *Contributions To Mineralogy and Petrology*, **2006**, 151, 434-456	3.5	64
429	Indian Ocean-MORB-type isotopic signature of Yushigou ophiolite in North Qilian Mountains and its implications. **2006**, 49, 561-572		50
428	Lithosphere–asthenosphere interaction and the origin of Cretaceous tholeiitic magmatism in Northeastern Brazil: Sr–Nd–Pb isotopic evidence. *Lithos*, **2006**, 86, 34-49	2.9	37
427	Geochemical secular variation of magma source during Early to Middle Miocene time in the Niigata area, NE Japan: Asthenospheric mantle upwelling during back-arc basin opening. *Lithos*, **2006**, 86, 1-33	2.9	96
426	Mesoproterozoic rift-related alkaline magmatism at Elchuru, Prakasam Alkaline Province, SE India. *Lithos*, **2006**, 89, 447-477	2.9	84
425	Nd and Sr isotope systematics and geochemistry of a plume-related Early Cretaceous alkaline-mafic-ultramafic igneous complex from Jasra, Shillong plateau, northeastern India. **2007**, 815-830		4

424	Constraints on Seismic Models from Other Disciplines Implications for Mantle Dynamics and Composition. **2007**, 805-858		29
423	Late Mesozoic mafic magmatism from the North China Block: constraints on chemical and isotopic heterogeneity of the subcontinental lithospheric mantle. **2007**, 280, 77-100		8
422	Geochemistry of Neoproterozoic mafic intrusions in the Panzhihua district (Sichuan Province, SW China): Implications for subduction-related metasomatism in the upper mantle. **2007**, 152, 27-47		421
421	The peculiar geochemical signatures of São Miguel (Azores) lavas: Metasomatised or recycled mantle sources?. *Earth and Planetary Science Letters*, **2007**, 259, 186-199	5.3	74
420	Constraints on the origin of the 129Xe on Earth using the tellurium double beta decay. *Earth and Planetary Science Letters*, **2007**, 264, 114-122	5.3	3
419	New Samoan lavas from Ofu Island reveal a hemispherically heterogeneous high 3He/4He mantle. *Earth and Planetary Science Letters*, **2007**, 264, 360-374	5.3	103
418	He, Sr, Nd, and Pb isotopic constraints on the origin of the Marquesas and other linear volcanic chains. *Chemical Geology*, **2007**, 240, 205-221	4.2	15
417	Genesis of the Neogene to Quaternary volcanism in the Carpathian-Pannonian region: Role of subduction, extension, and mantle plume. **2007**,		21
416	Deep storage of oceanic crust in a vigorously convecting mantle. **2007**, 112,		65
415	Relationships between the chemical and isotopic (Sr, Nd, Hf, and Pb) heterogeneity of the mantle. **2007**, 45, 1173-1196		12
414	The return of subducted continental crust in Samoan lavas. **2007**, 448, 684-7		227
413	Nature of mantle source contributions and crystal differentiation in the petrogenesis of the 1.78 Ga mafic dykes in the central North China craton. *Gondwana Research*, **2007**, 12, 29-46	5.1	157
412	Petrological and geochemical constraints on the origin of garnet peridotite in the North Qaidam ultrahigh-pressure metamorphic belt, northwestern China. *Lithos*, **2007**, 96, 243-265	2.9	64
411	Mixing of asthenospheric and lithospheric mantle-derived basalt magmas as shown by along-arc variation in Sr and Nd isotopic compositions of Early Miocene basalts from back-arc margin of the NE Japan arc. *Lithos*, **2007**, 96, 453-474	2.9	21
410	Origin and geodynamic significance of Upper Cretaceous lamprophyres from the Villány Mts (S Hungary). **2007**, 90, 73-107		16
409	Stratigraphy and geochemistry of pillow basalts within the ophiolitic mélange of the İzmir–Ankara–Erzincan suture zone: implications for the geotectonic character of the northern branch of Neotethys. **2007**, 96, 725-741		20
408	Geochemistry of Late Mesozoic mafic dykes in western Fujian Province of China: Sr-Nd isotope and trace element constraints. **2007**, 26, 143-156		4
407	Signatures of the source for the Emeishan flood basalts in the Ertan area: Pb isotope evidence. **2007**, 26, 207-213		14

406	He, Ne and Ar isotopic composition of Fe-Mn crusts from the western and central Pacific Ocean and implications for their genesis. **2007**, 50, 857-868		3
405	Geochemical characteristics of Bikou volcanic group and Sr-Nd-Pb isotopic composition: Evidence for breakup event in the north margin of Yangtze plate, Jining era. **2007**, 50, 339-350		7
404	Genesis of the Madang Cenozoic sodic alkaline basalt in the eastern margin of the Tibetan Plateau and its continental dynamic implications. **2007**, 50, 314-321		2
403	Evolution of volcanism in graben and horst structures along the Cenozoic Cameroon Line (Africa): implications for tectonic evolution and mantle source composition. **2008**, 94, 287-303		66
402	Geochemistry of lamprophyres from the Western Alps, Italy: implications for the origin of an enriched isotopic component in the Italian mantle. *Contributions To Mineralogy and Petrology*, **2008**, 155, 341-362	3.5	59
401	Nd, Pb, and Sr isotope composition of Late Mesozoic to Quaternary intra-plate magmatism in NE-Africa (Sudan, Egypt): high- signatures from the mantle lithosphere. *Contributions To Mineralogy and Petrology*, **2008**, 156, 765-784	3.5	39
400	Volcanoplutonic association of the early-stage evolution of the Imandra-Varzuga rift zone, Kola Peninsula, Russia: Geological, petrogeochemical, and isotope-geochronological data. *Petrology*, **2008**, 16, 279-298	1.2	24
399	Specifics of magmatism in marginal continental and marginal-sea pull-apart basins: Western periphery of the Pacific Ocean. *Petrology*, **2008**, 16, 448-467	1.2	6
398	Tectonics of the Siberian Craton: Interpretation of geological, geophysical, geochronological, and isotopic geochemical data. **2008**, 42, 8-20		42
397	Tectonics and magmatism of intraplate oceanic rises and the hot-spot hypothesis. **2008**, 42, 64-79		5
396	Highly unradiogenic lead isotope ratios from the Horoman peridotite in Japan. **2008**, 1, 859-863		29
395	Arc-like volcanic rocks from the southern Lancangjiang zone, SW China: Geochronological and geochemical constraints on their petrogenesis and tectonic implications. *Lithos*, **2008**, 102, 358-373	2.9	88
394	Geochronology and geochemistry of Permian basalts in western Guangxi Province, Southwest China: Evidence for plume-lithosphere interaction. *Lithos*, **2008**, 102, 218-236	2.9	123
393	UPb zircon age, geochemical and isotopic characteristics of carbonatite and syenite complexes from the Shaxiongdong, China. *Lithos*, **2008**, 105, 118-128	2.9	43
392	SrNdPb isotopic constraints on multiple mantle domains for Mesozoic mafic rocks beneath the South China Block hinterland. *Lithos*, **2008**, 106, 297-308	2.9	154
391	Genesis and evolution of Eppawala carbonatites, Sri Lanka. *Journal of Asian Earth Sciences*, **2008**, 32, 66-75	2.8	12
390	Geochemistry of Paleoproterozoic (~1770Ma) mafic dikes from the Trans-North China Orogen and tectonic implications. *Journal of Asian Earth Sciences*, **2008**, 33, 61-77	2.8	52
389	The Grenvillian Songshugou ophiolite in the Qinling Mountains, Central China: Implications for the tectonic evolution of the Qinling orogenic belt. *Journal of Asian Earth Sciences*, **2008**, 32, 325-335	2.8	110

388	Geochemistry of a new enriched mantle type locality in the northern hemisphere: Implications for the origin of the EM-I source. *Earth and Planetary Science Letters*, **2008**, 265, 167-182	5.3	56
387	Pb, Hf and Nd isotope compositions of the two Réunion volcanoes (Indian Ocean): A tale of two small-scale mantle "blobs". *Earth and Planetary Science Letters*, **2008**, 265, 748-765	5.3	71
386	A model for rutile saturation in silicate melts with applications to eclogite partial melting in subduction zones and mantle plumes. *Earth and Planetary Science Letters*, **2008**, 272, 720-729	5.3	54
385	Seamount volcanism associated with the Xigaze ophiolite, Southern Tibet. *Journal of Asian Earth Sciences*, **2008**, 32, 396-405	2.8	36
384	Chapter 8 Regional comparisons, petrochemistry and petrogenesis. **2008**, 33, 79-89		
383	Chapter 7 The Neogene-Recent volcanic rocks. **2008**, 33, 39-77		
382	The ~860-Ma, Cordilleran-Type Guandaoshan Dioritic Pluton in the Yangtze Block, SW China: Implications for the Origin of Neoproterozoic Magmatism. **2008**, 116, 238-253		57
381	The Euphrates volcanic field, northeastern Syria: petrogenesis of Cenozoic basanites and alkali basalts. *Geological Magazine*, **2008**, 145, 685-701	2	12
380	CARBONATITES FROM A LAMPROPHYRIC DYKE-SWARM, SOUTH WESTLAND, NEW ZEALAND. **2008**, 46, 753-777		22
379	Petrology, Sr–Nd–Hf isotopic geochemistry and zircon chronology of the Late Palaeozoic volcanic rocks in the southwestern Tianshan Mountains, Xinjiang, NW China. **2009**, 166, 1085-1099		162
378	Geochemical Architecture of the Lower- to Middle-crustal Section of a Paleo-island Arc (Kohistan Complex, Jijal–Kamila Area, Northern Pakistan): Implications for the Evolution of an Oceanic Subduction Zone. **2009**, 50, 531-569		78
377	Petrogenesis of Basaltic Volcanic Rocks from the Pribilof Islands, Alaska, by Melting of Metasomatically Enriched Depleted Lithosphere, Crystallization Differentiation, and Magma Mixing. **2009**, 50, 2249-2286		15
376	Geochemical Differences of the Hawaiian Shield Lavas: Implications for Melting Process in the Heterogeneous Hawaiian Plume. **2009**, 50, 1553-1573		39
375	Geochemistry of the ~ 430-Ma Jingbulake mafic–ultramafic intrusion in Western Xinjiang, NW China: Implications for subduction related magmatism in the South Tianshan orogenic belt. *Lithos*, **2009**, 113, 259-273	2.9	99
374	Accretion of crust in the axial zone of the Mid-Atlantic Ridge south of the Martin Vas Fracture Zone, South Atlantic. **2009**, 43, 358-378		1
373	Genesis and Mixing/Mingling of Mafic and Felsic Magmas of Back-Arc Granite: Miocene Tsushima Pluton, Southwest Japan. *Resource Geology*, **2009**, 59, 25-50	1	11
372	Petrogenesis of basalt–trachyte lavas from Olmoti Crater, Tanzania. **2009**, 54, 127-143		29
371	Alkali volcanism of the Bathymetrists Seamounts chain (Central Atlantic): Description and comparison. **2009**, 425, 243-248		4

370	Geochemistry of Fe-rich peridotites and associated pyroxenites from Horní Bory, Bohemian Massif: Insights into subduction-related melt–rock reactions. *Chemical Geology*, **2009**, 259, 152-167	4.2	61
369	The U, Th and Pb elemental and isotope compositions of mantle clinopyroxenes and their grain boundary contamination derived from leaching and digestion experiments. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 469-488	5.5	18
368	Neoproterozoic mafic dyke swarms at the northern margin of the Tarim Block, NW China: Age, geochemistry, petrogenesis and tectonic implications. *Journal of Asian Earth Sciences*, **2009**, 35, 167-179	2.8	194
367	Mantle source variations beneath the Eastern Lau Spreading Center and the nature of subduction components in the Lau basin–Tonga arc system. **2009**, 10, n/a-n/a		74
366	Did the Kohistan-Ladakh island arc collide first with India?. **2009**, 121, 366-384		133
365	Characteristics of Volcanic Rocks in the Shoshonite Province, Eastern China, and Their Metallogenesis. *Acta Geologica Sinica*, **2009**, 9, 246-259	0.7	1
364	Geochemical character of Early-Middle Miocene volcanic rocks from central Hokkaido: Characterization of magma-related back-arc spreading at the margin of the volcanic field. **2010**, 116, 199-218		6
363	Geochemical and isotopic characteristics of volcanic rocks from the northern East China Sea shelf margin and the Okinawa Trough. **2010**, 29, 48-61		33
362	A LREE-depleted component in the Afar plume: Further evidence from Quaternary Djibouti basalts. *Lithos*, **2010**, 114, 327-336	2.9	17
361	Compositionally stratified lithosphere and carbonatite metasomatism recorded in mantle xenoliths from the Western Qinling (Central China). *Lithos*, **2010**, 116, 111-128	2.9	35
360	The heterogeneous nature of the Southern Tyrrhenian mantle: Evidence from olivine-hosted melt inclusions from back-arc magmas of the Marsili seamount. *Lithos*, **2010**, 118, 1-16	2.9	14
359	Variety and complexity of the Late-Permian Emeishan basalts: Reappraisal of plume–lithosphere interaction processes. *Lithos*, **2010**, 119, 91-107	2.9	82
358	Petrogenesis of late Triassic post-collisional basaltic rocks of the Lancangjiang tectonic zone, southwest China, and tectonic implications for the evolution of the eastern Paleotethys: Geochronological and geochemical constraints. *Lithos*, **2010**, 120, 529-546	2.9	104
357	Geochemical and geochronological studies of the Alegedayi Ophiolitic Complex and its implication for the evolution of the Chinese Altai. *Gondwana Research*, **2010**, 18, 438-454	5.1	85
356	Permian basaltic rocks in the Tarim basin, NW China: Implications for plume–lithosphere interaction. *Gondwana Research*, **2010**, 18, 596-610	5.1	94
355	Tectonics and magmatism in eastern South America and the Brazil basin of the Atlantic in the Phanerozoic. **2010**, 44, 60-75		15
354	Intraplate Seamounts as a Window into Deep Earth Processes. **2010**, 23, 42-57		39
353	Carbonate-fluxed Melting of MORB-like Pyroxenite at 2{middle dot}9 GPa and Genesis of HIMU Ocean Island Basalts. **2010**, 51, 2067-2088		85

352	Origin and geodynamic evolution of late Cenozoic potassium-rich volcanism in the Isparta area, southwestern Turkey. *International Geology Review*, **2010**, 52, 454-504	2.3	26
351	The Early Jurassic tectono-magmatic events in southern Jiangxi and northern Guangdong provinces, SE China: Constraints from the SHRIMP zircon U□b dating. *Journal of Asian Earth Sciences*, **2010**, 39, 408-422	2.8	52
350	Chlorine isotope evidence for crustal recycling into the Earth's mantle. *Earth and Planetary Science Letters*, **2010**, 298, 175-182	5.3	73
349	Formation of enriched mantle components by recycling of upper and lower continental crust. *Chemical Geology*, **2010**, 276, 188-197	4.2	175
348	Isotopic (Sr, Nd, Pb, and Os) composition of highly magnesian dikes of Vestfjella, western Dronning Maud Land, Antarctica: A key to the origins of the Jurassic Karoo large igneous province?. *Chemical Geology*, **2010**, 277, 227-244	4.2	62
347	Petrology and K-Ar chronology of the Neogene-Quaternary Middle Atlas basaltic province, Morocco. **2010**, 181, 243-257		45
346	A Study of Sr, Nd and O Isotopes of the K-rich Melanocratic Dykes in the Late Mesozoic Gold Field in the Jiaodong Peninsula. *Acta Geologica Sinica*, **2010**, 75, 432-444	0.7	4
345	Source of parental melts to carbonatites□ritical isotopic constraints. **2010**, 98, 77-89		158
344	Nonchondritic 142Nd in suboceanic mantle peridotites. **2011**, 12, n/a-n/a		21
343	Osmium mass balance in peridotite and the effects of mantle-derived sulphides on basalt petrogenesis. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 5574-5596	5.5	73
342	Crystallization of a basal magma ocean recorded by Helium and Neon. *Earth and Planetary Science Letters*, **2011**, 308, 193-199	5.3	52
341	Geochemistry of alkaline basalts and associated high-Mg basalts from the 2.7Ga Penakacherla Terrane, Dharwar craton, India: An Archean depleted mantle-OIB array. **2011**, 188, 104-122		60
340	An Isotopic (Sr, Nd and Pb) Tracer Study on the Xiaoxinancha Gold-rich Copper Deposit in Yanbian, China: Implication for the Geodynamic Model of Diagenesis and Metallogenesis. *Acta Geologica Sinica*, **2011**, 85, 175-188	0.7	7
339	References. **2011**, 493-557		
338	Polybaric petrogenesis of Neogene alkaline magmas in an extensional tectonic environment: Viliga Volcanic Field, northeast Russia. *Lithos*, **2011**, 122, 13-24	2.9	22
337	Origin of Late Paleogene to Neogene basalts and associated coeval felsic volcanic rocks in Southwest Hokkaido, northern NE Japan arc: Constraints from Sr and Nd isotopes and major- and trace-element chemistry. *Lithos*, **2011**, 125, 368-392	2.9	22
336	The origin of enriched mantle beneath North China block: Evidence from young carbonatites. *Lithos* , **2011**, 127, 1-9	2.9	46
335	The Mount Wright Arc: A Cambrian subduction system developed on the continental margin of East Gondwana, Koonenberry Belt, eastern Australia. *Gondwana Research*, **2011**, 19, 650-669	5.1	46

334	Sr-Nd-Pb isotopic compositions of submarine alkali basalts recovered from the South Korea Plateau, East Sea. **2011**, 15, 149-160		8
333	The Petrology and Geochemistry of St. Helena Alkali Basalts: Evaluation of the Oceanic Crust-recycling Model for HIMU OIB. **2011**, 52, 791-838		101
332	Monte Carlo Simulations of Metasomatic Enrichment in the Lithosphere and Implications for the Source of Alkaline Basalts. **2011**, 52, 1415-1442		162
331	Age and Geochemical Features of Dredged Basalts from Offshore SW Taiwan: The Coincidence of Intra-Plate Magmatism with the Spreading South China Sea. **2012**, 23, 657		33
330	Petrogenesis of Tertiary Alkaline Magmas in the Siebengebirge, Germany. **2012**, 53, 2381-2409		41
329	Petrogenesis of Cenozoic mafic–ultramafic alkaline lavas from the Tigris volcanic field, NE Syria. *Geological Magazine*, **2012**, 149, 1-18	2	7
328	Carbonatites and associated nephelinites from São Vicente, Cape Verde Islands. *Mineralogical Magazine*, **2012**, 76, 311-355	1.7	17
327	Lithium Isotope Variations in Ocean Island Basalts—Implications for the Development of Mantle Heterogeneity. **2012**, 53, 2333-2347		46
326	Magma Origin and Evolution of Tengchong Cenozoic Volcanic Rocks from West Yunnan, China: Evidence from Whole Rock Geochemistry and Nd-Sr-Pb Isotopes. *Acta Geologica Sinica*, **2012**, 86, 867-878	0.7	24
325	Helium and neon isotopes in São Miguel island basalts, Azores Archipelago: New constraints on the low 3He/4He hotspot origin. *Chemical Geology*, **2012**, 322-323, 91-98	4.2	24
324	Earth's heterogeneous mantle: A product of convection-driven interaction between crust and mantle. *Chemical Geology*, **2012**, 330-331, 274-299	4.2	240
323	Comparison of fluorite geochemistry from REE deposits in the Panxi region and Bayan Obo, China. *Journal of Asian Earth Sciences*, **2012**, 57, 76-89	2.8	58
322	Keketuohai mafic–ultramafic complex in the Chinese Altai, NW China: Petrogenesis and geodynamic significance. *Chemical Geology*, **2012**, 294-295, 26-41	4.2	72
321	Combined 238U–230Th and 235U–231Pa constraints on the transport of slab-derived material beneath the Mariana Islands. *Geochimica Et Cosmochimica Acta*, **2012**, 92, 308-328	5.5	39
320	OIB/seamount recycling as a possible process for E-MORB genesis. **2012**, 13, n/a-n/a		28
319	The size of plume heterogeneities constrained by Marquesas isotopic stripes. **2012**, 13, n/a-n/a		38
318	Evidence from mantle xenoliths for lithosphere removal beneath the central Rio Grande Rift. *Earth and Planetary Science Letters*, **2012**, 355-356, 82-93	5.3	30
317	Geochemistry and geochronology of Carboniferous volcanic rocks in the eastern Junggar terrane, NW China: Implication for a tectonic transition. *Gondwana Research*, **2012**, 22, 1009-1029	5.1	108

316	Nephelinite–melilitite–carbonatite relationships: Evidence from Pleistocene–recent volcanism in northern Tanzania. *Lithos*, **2012**, 152, 3-10	2.9	20
315	Spatio-temporal evolution of a dispersed magmatic system and its implications for volcano growth, Jeju Island Volcanic Field, Korea. *Lithos*, **2012**, 148, 337-352	2.9	57
314	Age and geochemical characteristics of Paleogene basalts drilled from western Taiwan: Records of initial rifting at the southeastern Eurasian continental margin. *Lithos*, **2012**, 155, 426-441	2.9	32
313	Heterogeneous mantle source and magma differentiation of quaternary arc-like volcanic rocks from Tengchong, SE margin of the Tibetan Plateau. *Contributions To Mineralogy and Petrology*, **2012**, 163, 841-860	3.5	47
312	Miocene to recent alkaline volcanism between Al Haruj and Waw an Namous (southern Libya). **2012**, 101, 1047-1063		31
311	Generation of Early Indosinian enriched mantle-derived granitoid pluton in the Sanjiang Orogen (SW China) in response to closure of the Paleo-Tethys. *Lithos*, **2012**, 140-141, 166-182	2.9	106
310	Origin of submarine volcanism at the eastern margin of the central atlantic: Investigation of the alkaline volcanic rocks of the carter seamount (Grimaldi Seamounts). *Petrology*, **2012**, 20, 59-85	1.2	4
309	A composite, isotopically-depleted peridotite and enriched pyroxenite source for Madeira magmas: Insights from olivine. *Lithos*, **2013**, 170-171, 224-238	2.9	17
308	Middle triassic post-orogenic extension on Hainan Island: Chronology and geochemistry constraints of bimodal intrusive rocks. **2013**, 56, 783-793		30
307	Continental origin of eclogites in the North Qinling terrane and its tectonic implications. **2013**, 230, 13-30		84
306	Mantle source, magma differentiation and sulfide saturation of the ~637Ma Zhouan mafic–ultramafic intrusion in the northern margin of the Yangtze Block, Central China. **2013**, 228, 206-222		18
305	Generation of Arc and Within-plate Chemical Signatures in Collision Zone Magmatism: Quaternary Lavas from Kurdistan Province, Iran. **2013**, 54, 887-911		79
304	Cenozoic Italian magmatism – isotope constraints for possible plume-related activity. *Journal of South American Earth Sciences*, **2013**, 41, 22-40	2	45
303	Petrogenesis of mafic alkaline dikes from the ~ 2.18 Ga Mahbubnagar Large Igneous Province, Eastern Dharwar Craton, India: Geochemical evidence for uncontaminated intracontinental mantle derived magmatism. *Lithos*, **2013**, 179, 84-98	2.9	11
302	Age and geochemistry of Silurian gabbroic rocks in the Tongbai orogen, central China: Implications for the geodynamic evolution of the North Qinling arc–back-arc system. *Lithos*, **2013**, 179, 1-15	2.9	53
301	Simplified mantle architecture and distribution of radiogenic power. **2013**, 14, 2265-2285		20
300	Temporal evolution of a Polynesian hotspot: New evidence from Raivavae (Austral islands, South Pacific ocean). **2013**, 184, 557-567		13
299	Mantle sources and magma evolution beneath the Cameroon Volcanic Line: Geochemistry of mafic rocks from the Bamenda Mountains (NW Cameroon). *Gondwana Research*, **2013**, 24, 727-741	5.1	48

298	Pleistocene intraplate magmatism in the Goto Islands, SW Japan: Implications for mantle source evolution and regional geodynamics. **2013**, 68, 1-17		8
297	Geochemistry, mineralogy and petrology of the Eocene potassic magmatism from the Milk River area, southern Alberta, and Sweet Grass Hills, northern Montana. *Chemical Geology*, **2013**, 353, 280-302	4.2	12
296	Preliminary radiogenic isotope study on the origin of the Khanneshin carbonatite complex, Helmand Province, Afghanistan. **2013**, 133, 6-14		4
295	Cryptic lower crustal signature in the source of the Ontong Java Plateau revealed by Os and Hf isotopes. *Earth and Planetary Science Letters*, **2013**, 377-378, 84-96	5.3	17
294	Pb and Hf isotope variations along the Southeast Indian Ridge and the dynamic distribution of MORB source domains in the upper mantle. *Earth and Planetary Science Letters*, **2013**, 375, 196-208	5.3	22
293	Potassic magma genesis and the Ailao Shan-Red River fault. **2013**, 69, 84-105		22
292	Collision-induced basalt eruptions at Pleiku and Buôn M'Thuot, south-central Viet Nam. **2013**, 69, 65-83		37
291	Origin of paleosubduction-modified mantle for Silurian gabbro in the Cathaysia Block: Geochronological and geochemical evidence. *Lithos*, **2013**, 160-161, 37-54	2.9	129
290	Magmatic and geodynamic evolution of Urumieh–Dokhtar basic volcanism, Central Iran: major, trace element, isotopic, and geochronologic implications. *International Geology Review*, **2013**, 55, 767-786	2.3	31
289	Comparison between the Permian mafic dykes in Tarim and the western part of Central Asian Orogenic Belt (CAOB), NW China: Implications for two mantle domains of the Permian Tarim Large Igneous Province. *Lithos*, **2013**, 174, 15-27	2.9	55
288	Petrogenesis of the Langdu High-K Calc-Alkaline Intrusions in Yunnan Province: Constraints from Geochemistry and Sr-Nd Isotopes. *Acta Geologica Sinica*, **2013**, 87, 454-466	0.7	3
287	Describing Chemical Fluxes in Subduction Zones: Insights from "Depth-Profiling" Studies of Arc and Forearc Rocks. **2013**, 263-268		16
286	The Influence of Mantle Plumes in Generation of Indian Oceanic Crust. **2013**, 57-89		15
285	The Lithospheric Mantle Beneath Central Europe: Nd Isotopic Constraints for Its Late Proterozoic Enrichment and Implications for Early Crustal Evolution. **2013**, 269-276		1
284	First report of a Middle-Upper Permian magmatism in the SE Iberian Ranges: characterisation and comparison with coeval magmatisms in the western Tethys. **2013**, 38,		3
283	The Character of the Subcontinental Mantle in Southeast Asia: Evidence from Isotopic and Elemental Compositions of Extension-Related Cenozoic Basalts in Thailand. **2013**, 233-252		9
282	Temporal Isotopic Variations in the Hawaiian Mantle Plume: The Lanai Anomaly, the Molokai Fracture Zone and a Seawater-Altered Lithospheric Component in Hawaiian Volcanism. **2013**, 149-159		4
281	References. 545-640		0

280	The Subduction-Zone Filter and the Impact of Recycled Materials on the Evolution of the Mantle. **2014**, 479-508		36
279	New isotopic data for Mid-Atlantic Ridge basalts from the Arkhangelsk-Sierra Leone fracture zone (central Atlantic). **2014**, 459, 1429-1435		1
278	New chemical and isotopic data for basalts from the axial segment of the Mid-Atlantic ridge between the Vema and Mercury fracture zones. **2014**, 459, 1488-1494		2
277	Origin of the Ghost Plagioclase Signature in Galapagos Melt Inclusions: New Evidence from Pb Isotopes. **2014**, 55, 2193-2216		16
276	From the lavas to the gabbros: 1.25km of geochemical characterization of upper oceanic crust at ODP/IODP Site 1256, eastern equatorial Pacific. *Lithos*, **2014**, 210-211, 289-312	2.9	11
275	Sr Nd Pb isotope systematics and clinopyroxene-host disequilibrium in ultra-potassic magmas from Toro-Ankole and Virunga, East-African Rift: Implications for magma mixing and source heterogeneity. *Lithos*, **2014**, 210-211, 260-277	2.9	19
274	Volatile cycling of H2O, CO2, F, and Cl in the HIMU mantle: A new window provided by melt inclusions from oceanic hot spot lavas at Mangaia, Cook Islands. **2014**, 15, 4445-4467		55
273	The Petrology, Geochemistry, and Petrogenesis of E-MORB-type Mafic Rocks from the Guomangco Ophiolitic Mélange, Tibet. *Acta Geologica Sinica*, **2014**, 88, 1437-1453	0.7	6
272	Trace element and Sr-Nd-Pb isotope geochemistry of Rungwe Volcanic Province, Tanzania: implications for a Superplume source for East Africa Rift magmatism. **2014**, 2,		18
271	Zircon SHRIMP geochronology and Nd-Pb isotopic characteristics of the meta-basalt in the central part of Tibetan Plateau Qiangtang region. **2014**, 57, 428-438		10
270	The origin of shoshonites: new insights from the Tertiary high-potassium intrusions of eastern Tibet. *Contributions To Mineralogy and Petrology*, **2014**, 167, 1	3.5	70
269	Systematic variations in the composition of volcanic rocks in tectono-magmatic seamount chaines in the Brazil Basin. **2014**, 52, 111-130		10
268	Origin of carbonatites in the South Qinling orogen: Implications for crustal recycling and timing of collision between the South and North China Blocks. *Geochimica Et Cosmochimica Acta*, **2014**, 143, 189-206	5.5	53
267	Geochemistry of A-type granites in the Huangshaping polymetallic deposit (South Hunan, China): Implications for granite evolution and associated mineralization. *Journal of Asian Earth Sciences*, **2014**, 88, 149-167	2.8	74
266	Mantle melting in within-plate continental settings: Sr Nd Pb and U-series isotope constraints in alkali basalts from the Sicily Channel (Pantelleria and Linosa Islands, Southern Italy). *Lithos*, **2014**, 188, 113-129	2.9	14
265	The role of heterogenetic mantle in the genesis of adakites northeast of Sanandaj, northwestern Iran. **2014**, 74, 87-97		18
264	Continental orogenesis from ocean subduction, continent collision/subduction, to orogen collapse, and orogen recycling: The example of the North Qaidam UHPM belt, NW China. **2014**, 129, 59-84		248
263	High-magnesium andesites: the example of the Papuan Volcanic Arc. **2014**, 385, 117-135		4

262	Subduction-related enrichment of the Neapolitan volcanoes (Southern Italy) mantle source: New constraints on the characteristics of the slab-derived components. *Chemical Geology*, **2014**, 386, 165-183	4.2	40
261	Eocene supra-subduction zone mafic magmatism in the Sibumasu Block of SW Yunnan: Implications for Neotethyan subduction and India–Asia collision. *Lithos*, **2014**, 206-207, 384-399	2.9	36
260	The Cameroon Line: Analysis of an intraplate magmatic province transecting both oceanic and continental lithospheres: Constraints, controversies and models. **2014**, 139, 168-194		50
259	Tchabal Gangdaba massif in the Cameroon Volcanic Line: a bimodal association. **2014**, 7, 4641-4664		5
258	The upper mantle of Kamchatka in isotopic-geochemical and geophysical anomalies: The role of asthenospheric diapirism. *Russian Journal of Pacific Geology*, **2014**, 8, 151-162	0.9	7
257	Early Silurian (~440Ma) adakitic, andesitic and Nb-enriched basaltic lavas in the southern Altay Range, Northern Xinjiang (western China): Slab melting and implications for crustal growth in the Central Asian Orogenic Belt. *Lithos*, **2014**, 206-207, 234-251	2.9	31
256	Lamprophyres of Italy: early Cretaceous alkaline lamprophyres of Southern Tuscany, Italy. *Lithos*, **2014**, 188, 97-112	2.9	23
255	Carboniferous–Permian extensive magmatism in the West Junggar, Xinjiang, northwestern China: its geochemistry, geochronology, and petrogenesis. *Lithos*, **2014**, 204, 125-143	2.9	69
254	Geochemistry and petrogenesis of lava flows around Linga, Chhindwara area in the Eastern Deccan Volcanic Province (EDVP), India. *Journal of Asian Earth Sciences*, **2014**, 91, 174-193	2.8	11
253	The Geology and Geochemistry of Isla Floreana, Galápagos. **2014**, 71-117		10
252	The Cobb hot spot: HIMU-DMM mixing and melting controlled by a progressively thinning lithospheric lid. **2014**, 15, 3107-3122		15
251	Giant radiating mafic dyke swarm of the Emeishan Large Igneous Province: Identifying the mantle plume centre. **2015**, 27, 247-257		38
250	Deeply dredged submarine HIMU glasses from the Tuvalu Islands, Polynesia: Implications for volatile budgets of recycled oceanic crust. **2015**, 16, 3210-3234		18
249	Depleted Mantle-sourced CFB Magmatism in the Jurassic Africa–Antarctica Rift: Petrology and 40Ar/39Ar and U/Pb Chronology of the Vestfjella Dyke Swarm, Dronning Maud Land, Antarctica. **2015**, 56, 919-952		28
248	Changing tectonic settings through time: Indiscriminate use of geochemical discriminant diagrams. **2015**, 266, 587-591		63
247	Early Jurassic mafic dykes from the Xiazhuang ore district (South China): Implications for tectonic evolution and uranium metallogenesis. *Lithos*, **2015**, 239, 71-85	2.9	30
246	Evolution of rock compositions observed during the 2012–2013 eruptions of the New Tolbachik volcanoes: Online mantle control. *Russian Journal of Pacific Geology*, **2015**, 9, 338-358	0.9	4
245	Tectonic framework of the northern Junggar Basin part I: The eastern Luliang Uplift and its link with the East Junggar terrane. *Gondwana Research*, **2015**, 27, 1089-1109	5.1	34

244	Tectonic framework of the northern Junggar Basin Part II: The island arc basin system of the western Luliang Uplift and its link with the West Junggar terrane. *Gondwana Research*, **2015**, 27, 1110-1130	5.1	33
243	Depletion, cryptic metasomatism, and modal metasomatism (refertilization) of Variscan lithospheric mantle: Evidence from major elements, trace elements, and Sr-Nd-Os isotopes in a Saxothuringian garnet peridotite. *Lithos*, **2015**, 226, 81-97	2.9	21
242	Geochemistry and zircon ages of mafic dikes in the South Qinling, central China: evidence for late Neoproterozoic continental rifting in the northern Yangtze block. **2015**, 104, 27-44		34
241	Reinforcing the origin of volcanic rocks from the Massif Central through the isotopic composition of lead and strontium. **2015**, 153, 79-87		2
240	Low-3He/4He sublithospheric mantle source for the most magnesian magmas of the Karoo large igneous province. *Earth and Planetary Science Letters*, **2015**, 426, 305-315	5.3	13
239	Geodynamic setting, crustal architecture, and VMS metallogeny of ca. 2720 Ma greenstone belt assemblages of the northern Wawa subprovince, Superior Province. **2015**, 52, 196-214		9
238	Miocene–Pleistocene magmas in the Monbetsu area, Northeast Hokkaido, tap N-MORB-like sources contaminated by slab-derived fluids. **2015**, 86, 10-25		2
237	Resolving mantle and magmatic processes in basalts from the Cameroon volcanic line using the Re–Os isotope system. *Lithos*, **2015**, 224-225, 1-12	2.9	4
236	Developing plate tectonics theory from oceanic subduction zones to collisional orogens. **2015**, 58, 1045-1069		159
235	Record of assembly and breakup of Rodinia in the Southwestern Altaids: Evidence from Neoproterozoic magmatism in the Chinese Western Tianshan Orogen. *Journal of Asian Earth Sciences*, **2015**, 113, 173-193	2.8	71
234	Paleoproterozoic mantle enrichment beneath the Fennoscandian Shield: Isotopic insight from carbonatites and lamprophyres. *Lithos*, **2015**, 236-237, 311-323	2.9	8
233	Geochronology, geochemistry and zircon Hf isotopes of the Dongfanghong gabbroic complex at the eastern margin of the Jiamusi Massif, NE China: Petrogensis and tectonic implications. *Lithos*, **2015**, 234-235, 27-46	2.9	64
232	U–Pb zircon ages and geochemistry of Kangareh and Taghiabad mafic bodies in northern Sanandaj–Sirjan Zone, Iran: Evidence for intra-oceanic arc and back-arc tectonic regime in Late Jurassic. **2015**, 660, 47-64		35
231	Constraints on the DUPAL anomaly from helium isotope systematics in the Southwest Indian mid-ocean ridge basalts. *Chemical Geology*, **2015**, 417, 163-172	4.2	11
230	Geochemical modeling and Nd–Sr data links nephelinite–phonolite successions and xenoliths of Trindade Island (South Atlantic Ocean, Brazil). **2015**, 306, 58-73		21
229	The 600–580Ma continental rift basalts in North Qilian Shan, northwest China: Links between the Qilian-Qaidam block and SE Australia, and the reconstruction of East Gondwana. **2015**, 257, 47-64		44
228	Origin and geodynamic relationships of the Late Miocene to Quaternary alkaline basalt volcanism in the Pannonian basin, eastern–central Europe. **2015**, 104, 2007-2032		39
227	Geochronology and Sr–Nd–Hf isotopic composition of the granites, enclaves, and dikes in the Karamay area, NW China: Insights into late Carboniferous crustal growth of West Junggar. *Geoscience Frontiers*, **2015**, 6, 153-173	6	22

226	How was the Carboniferous Balkhash–West Junggar remnant ocean filled and closed? Insights from the Well Tacan-1 strata in the Tacheng Basin, NW China. *Gondwana Research*, **2015**, 27, 342-362	5.1	53
225	Geochronological and geochemical constraints on the petrogenesis of Early Eocene metagabbroic rocks in Nabang (SW Yunnan) and its implications on the Neotethyan slab subduction. *Gondwana Research*, **2015**, 27, 1474-1486	5.1	53
224	Geochronology, geochemistry and Sr–Nd–Hf isotopes of mafic dikes in the Huicheng Basin: Constraints on intracontinental extension of the Qinling orogen. *Journal of Asian Earth Sciences*, **2015**, 104, 115-126	2.8	8
223	Devonian Alaskan-type ultramafic–mafic intrusions and silicic igneous rocks along the southern Altai orogen: Implications on the Phanerozoic continental growth of the Altai orogen of the Central Asian Orogenic Belt. *Journal of Asian Earth Sciences*, **2015**, 113, 75-89	2.8	17
222	Zircon U–Pb dating, geochemistry and Sr–Nd–Pb–Hf isotopes of the Wajilitag alkali mafic dikes, and associated diorite and syenitic rocks: Implications for magmatic evolution of the Tarim large igneous province. *Lithos*, **2015**, 212-215, 428-442	2.9	21
221	Formation mechanism of the global Dupal isotope anomaly. **2016**, 51, 644-651		4
220	Reconstructing multiple arc-basin systems in the Altai–Junggar area (NW China): Implications for the architecture and evolution of the western Central Asian Orogenic Belt. *Journal of Asian Earth Sciences*, **2016**, 121, 84-107	2.8	37
219	The composition of mantle plumes and the deep Earth. *Earth and Planetary Science Letters*, **2016**, 444, 13-25	5.3	15
218	He, Ne and Ar isotope signatures of mid-ocean ridge basalts and their implications for upper mantle structure: A case study from the Mid-Atlantic Ridge at 42–12°S. *Geochimica Et Cosmochimica Acta*, **2016**, 183, 94-105	5.5	6
217	Floresta and Bodoc Mafic–Ultramafic Complexes, western Borborema Province, Brazil: Geochemical and isotope constraints for evolution of a Neoproterozoic arc environment and retro-eclogitic hosted Ti-mineralization. **2016**, 280, 95-119		20
216	Origin and geodynamic setting of Late Cenozoic granitoids in Sulawesi, Indonesia. *Journal of Asian Earth Sciences*, **2016**, 124, 102-125	2.8	16
215	Exotic lamproites or normal ultrapotassic rocks? The Late Miocene volcanic rocks from Kef Hahouner, NE Algeria, in the frame of the circum-Mediterranean lamproites. **2016**, 327, 539-553		16
214	An overview of the Mesozoic-Cenozoic magmatism and tectonics in Eastern Paraguay and central Andes (Western Gondwana): Implications for the composition of mantle sources. *Journal of South American Earth Sciences*, **2016**, 72, 302-314	2	1
213	Mantle heterogeneities beneath the Northeast Indian Ocean as sampled by intra-plate volcanism at Christmas Island. *Lithos*, **2016**, 262, 561-575	2.9	6
212	Volatile and trace elements in alkaline and subalkaline melts of ocean islands: Evidence from inclusions in minerals and quenched glasses of rocks. **2016**, 54, 543-558		2
211	The $CaCO_3$–Fe interaction: Kinetic approach for carbonate subduction to the deep Earth's mantle. **2016**, 259, 1-9		21
210	Evaluation of late Permian mafic magmatism in the central Tibetan Plateau as a response to plume-subduction interaction. *Lithos*, **2016**, 264, 1-16	2.9	16
209	Encyclopedia of Geochemistry. *Encyclopedia of Earth Sciences Series*, **2016**, 1-12	0	

208	Cambrian intermediate-mafic magmatism along the Laurentian margin: Evidence for flood basalt volcanism from well cuttings in the Southern Oklahoma Aulacogen (U.S.A.). *Lithos*, **2016**, 260, 164-177	2.9	13
207	A great thermal divergence in the mantle beginning 2.5 Ga: Geochemical constraints from greenstone basalts and komatiites. *Geoscience Frontiers*, **2016**, 7, 543-553	6	99
206	Origin of the DUPAL anomaly in mantle xenoliths of Patagonia (Argentina) and geodynamic consequences. *Lithos*, **2016**, 248-251, 257-271	2.9	8
205	Geochemistry and geochronology of the blueschist in the Heilongjiang Complex and its implications in the late Paleozoic tectonics of eastern NE China. *Lithos*, **2016**, 261, 232-249	2.9	48
204	Petrogenesis of Miocene alkaline volcanic suites from western Bohemia: whole rock geochemistry and Sr□Nd□Pb isotopic signatures. **2016**, 76, 77-93		12
203	The Mantle. **2016**, 89-133		0
202	References. **2016**, 369-407		
201	Rapid separation scheme of Sr, Nd, Pb, and Hf from a single rock digest using a tandem chromatography column prior to isotope ratio measurements by mass spectrometry. **2016**, 31, 1150-1159		62
200	Geochemistry of the volcanic rocks from Bioko Island (□ameroon Hot Line□ Evidence for plume-lithosphere interaction. *Geoscience Frontiers*, **2016**, 7, 743-757	6	12
199	Immiscible melt droplets in garnet, as represented by ilmenite□magnetite□spinel spheroids in an eclogite-garnet peridotite association, Blansk□es Granulite Massif, Czech Republic. **2016**, 101, 82-92		2
198	The geochemistry and geochronology of the Xiarihamu II mafic□ultramafic complex, Eastern Kunlun, Qinghai Province, China: Implications for the genesis of magmatic Ni□Cu sulfide deposits. *Ore Geology Reviews*, **2016**, 73, 13-28	3.2	44
197	A record of post-collisional transition: evidence from geochronology and geochemistry of Palaeozoic volcanic rocks in the eastern Junggar, Central Asia. *International Geology Review*, **2017**, 59, 1256-1275	2.3	7
196	Multi-stage evolution of the lithospheric mantle beneath the westernmost Mediterranean: Geochemical constraints from peridotite xenoliths in the eastern Betic Cordillera (SE Spain). *Lithos*, **2017**, 276, 75-89	2.9	8
195	Evolution of K-rich magmas derived from a net veined lithospheric mantle in an ongoing extensional setting: Geochronology and geochemistry of Eocene and Miocene volcanic rocks from Eastern Pontides (Turkey). *Gondwana Research*, **2017**, 45, 65-86	5.1	40
194	Post-collisional high-Mg granitoids from the Paleoproterozoic East Sarmatian Orogen (East European Craton): Evidence for crust□mantle interaction. *Lithos*, **2017**, 274-275, 271-290	2.9	4
193	Composition, structure, origin, and evolution of off-axis linear volcanic structures of the Brazil Basin, South Atlantic. **2017**, 51, 53-73		11
192	Basalts and picrites from a plume-type ophiolite in the South Qilian Accretionary Belt, Qilian Orogen: Accretion of a Cambrian Oceanic Plateau?. *Lithos*, **2017**, 278-281, 97-110	2.9	51
191	An experimental study of trace element distribution during partial melting of mantle heterogeneities. *Chemical Geology*, **2017**, 462, 74-87	4.2	9

190	Spatial and temporal radiogenic isotopic trends of magmatism in Cordilleran orogens. *Gondwana Research*, **2017**, 48, 189-204	5.1	51
189	Intraplate earthquakes and their link with mantle dynamics: Insights from P-wave teleseismic tomography along the northern part of the North South Tectonic Zone in China. **2017**, 349, 96-105		2
188	Early Devonian back-arc extension in the eastern Central Asian Orogenic Belt: Evidence from a bimodal volcanic sequence from Xilinhot, central Inner Mongolia (North China). *Journal of Asian Earth Sciences*, **2017**, 144, 40-53	2.8	11
187	Early Permian Qiangtang flood basalts, northern Tibet, China: A mantle plume that disintegrated northern Gondwana?. *Gondwana Research*, **2017**, 44, 96-108	5.1	41
186	Zircon U-Pb geochronology and petrogenesis of metabasites from the western Beihuaiyang zone in the Hong n orogen, central China: Implications for detachment within subducting continental crust at shallow depths. *Journal of Asian Earth Sciences*, **2017**, 145, 74-90	2.8	10
185	Geochemical characteristics of the La Rùnion mantle plume source inferred from olivine-hosted melt inclusions from the adventive cones of Piton de la Fournaise volcano (La Rùnion Island). *Contributions To Mineralogy and Petrology*, **2017**, 172, 1	3.5	8
184	Light Stable Isotopic Compositions of Enriched Mantle Sources: Resolving the Dehydration Paradox. **2017**, 18, 3801-3839		49
183	A review of the Early Mesozoic granitoids in the Qinling Orogen: Implication for gold metallogeny. **2017**, 52, 183-201		8
182	Geochemistry of MORB and OIB in the Yuejinshan Complex, NE China: Implications for petrogenesis and tectonic setting. *Journal of Asian Earth Sciences*, **2017**, 145, 475-493	2.8	27
181	New data on the composition and age of rocks from the Bathymetrists Seamounts (Eastern margin of the equatorial Atlantic). **2017**, 472, 20-25		2
180	Geochemistry of lavas from the Caroline hotspot, Micronesia: Evidence for primitive and recycled components in the mantle sources of lavas with moderately elevated 3He/4He. *Chemical Geology*, **2017**, 455, 385-400	4.2	13
179	Isotopic compositions of intrusive rocks from the Wallowa and Olds Ferry arc terranes of northeastern Oregon and western Idaho: Implications for Cordilleran evolution, lithospheric structure, and Miocene magmatism. **2017**, 9, 235-264		10
178	Petrogenesis of the early Permian Yejili mafic ultramafic intrusion in the Alxa Block, western margin of the North China Craton. **2017**, 52, 298-313		4
177	Zircon U-Pb geochronology, Sm-Nd and Pb-Pb isotope systematics of Ediacaran post-collisional high-silica Acampamento Velho volcanism at the Tupanci area, NW of the Sul-Rio-Grandense Shield, Brazil. **2017**, 47, 545-560		3
176	Melting and Mantle Sources in the Azores. **2018**, 251-280		5
175	Enrichment of 18O in the mantle sources of the Antarctic portion of the Karoo large igneous province. *Contributions To Mineralogy and Petrology*, **2018**, 173, 1	3.5	14
174	Back-arc basin development: Constraints on geochronology and geochemistry of arc-like and OIB-like basalts in the Central Qilian block (Northwest China). *Lithos*, **2018**, 310-311, 255-268	2.9	23
173	Isotope Geochemistry of Oceanic Volcanics. 134-166		

172	Evidence for a deep mantle source for EM and HIMU domains from integrated geochemical and geophysical constraints. *Earth and Planetary Science Letters*, **2018**, 484, 154-167	5.3	28
171	Geochronology, Geochemistry and Sr-Nd-Pb-Hf Isotopes of No. I Complex from the Shitoukengde Ni□Cu Sulfide Deposit in the Eastern Kunlun Orogen, Western China: Implications for the Magmatic Source, Geodynamic Setting and Genesis. *Acta Geologica Sinica*, **2018**, 92, 106-126	0.7	17
170	Geochemical nature of sub-ridge mantle and opening dynamics of the South China Sea. *Earth and Planetary Science Letters*, **2018**, 489, 145-155	5.3	65
169	Proto- to Paleo-Tethyan evolution of the eastern margin of Simao block. *Gondwana Research*, **2018**, 62, 61-74	5.1	33
168	Early Jurassic mafic dykes from the Aigao uranium ore deposit in South China: Geochronology, petrogenesis and relationship with uranium mineralization. *Lithos*, **2018**, 308-309, 118-133	2.9	11
167	Source characteristics and tectonic setting of mafic□ultramafic intrusions in North Xinjiang, NW China: Insights from the petrology and geochemistry of the Lubei mafic□ultramafic intrusion. *Lithos* , **2018**, 308-309, 329-345	2.9	17
166	Zircon U□Pb geochronology and geochemistry of the post-collisional volcanic rocks in eastern Xinjiang Province, NW China: implications for the tectonic evolution of the Junggar terrane. *International Geology Review*, **2018**, 60, 339-364	2.3	18
165	Geochronology, geochemistry, and tectonic implications of Jishou Cretaceous diabase, western Xuefengshan tectonic zone in South China. **2018**, 53, 1186-1199		1
164	Zircon U□Pb geochronology and geochemistry of Devonian plagiogranites in the Kuerti area of southern Chinese Altay, northwest China: Petrogenesis and tectonic evolution of late Paleozoic ophiolites. **2018**, 53, 1886-1905		7
163	Geochemistry and zircon Hf isotopes of the Early Mesozoic intrusive rocks in the south Hunchun, Yanbian area, Northeast China: petrogenesis and implications for crustal growth. *International Geology Review*, **2018**, 60, 1038-1060	2.3	5
162	Late Devonian postcollisional magmatism in the ultrahigh-pressure metamorphic belt, Xitieshan terrane, NW China. **2018**, 130, 999-1016		13
161	Construction, emplacement, and geochemical evolution of deep-crustal intrusions: Tenpeak and Dirtyface plutons, North Cascades, western North America. **2018**, 14, 1298-1323		3
160	Geochemistry and Distribution of Recycled Domains in the Mantle Inferred From Nd and Pb Isotopes in Oceanic Hot Spots: Implications for Storage in the Large Low Shear Wave Velocity Provinces. **2018**, 19, 3496-3519		20
159	Chemistry and Sr-Nd isotope signature of amphiboles of the magnesio-hastingsite□pargasite□kaersutite series in Cenozoic volcanic rocks: Insight into lithospheric mantle beneath the Bohemian Massif. *Lithos*, **2018**, 312-313, 308-321	2.9	15
158	Trace element systematics and Nd, Sr and Pb isotopes of Pliocene flood basalt magmas (Ethiopian rift): A case for Afar plume-lithosphere interaction. *Chemical Geology*, **2018**, 493, 172-188	4.2	8
157	Rapid determination of initial 87Sr/86Sr and estimation of the Rb-Sr age of plutonic rocks by LA-ICPMS of variably altered feldspars: An example from the 1.14 Ga Great Abitibi Dyke, Ontario, Canada. *Lithos*, **2018**, 314-315, 52-58	2.9	2
156	Geochemistry and petrogenesis of Biabanak-Bafq mafic magmatism: Implication for the evolution of central Iranian terrane. **2018**, 127, 1		
155	Nature and genesis of potassic high Ba Sr granitoids associated with syn-convergent extension in NW Turkey. *Lithos*, **2018**, 316-317, 261-277	2.9	9

154	Petrogenesis of plio-quaternary intra-plate continental alkaline lavas from the °skenderun Gulf (Southern Turkey): Evidence for metasomatized lithospheric mantle. **2018**, 78, 521-534		1
153	The nature and evolution of mantle upwelling at Ross Island, Antarctica, with implications for the source of HIMU lavas. *Earth and Planetary Science Letters*, **2018**, 498, 38-53	5.3	35
152	Genesis of ultra-high pressure garnet pyroxenites in orogenic peridotites and its bearing on the compositional heterogeneity of the Earth mantle. *Geochimica Et Cosmochimica Acta*, **2018**, 232, 303-328	5.5	13
151	On the Sr-Nd-Pb-Hf isotope code of enriched, Dupal-type sub-continental lithospheric mantle underneath south-western China. *Chemical Geology*, **2018**, 489, 46-60	4.2	6
150	Geochemistry of volcanic rocks from Oldoinyo Lengai, Tanzania: Implications for mantle source lithology. *Lithos*, **2019**, 350-351, 105223	2.9	4
149	Adakite Volcanism at Continental Margin and Associated Problems. Part II. Adakites from the Sea of Okhotsk, Kamchatka, and Bering Sea Regions: Typification and Genesis. *Russian Journal of Pacific Geology*, **2019**, 13, 417-435	0.9	0
148	Lower Mantle Dynamics Perceived With 50 Years of Hindsight From Plate Tectonics. **2019**, 20, 5619-5649		4
147	Geological and geochemical characteristics of the Miaoya syenite-carbonatite complex, Central China: Implications for the origin of REE-Nb-enriched carbonatite. *Ore Geology Reviews*, **2019**, 113, 103101	3.2	15
146	Pleistocene basaltic volcanism in the Krông Nô area and vicinity, Dac Nong Province (Vietnam). *Journal of Asian Earth Sciences*, **2019**, 181, 103903	2.8	5
145	Geochronology, geochemistry and petrogenesis of Late Triassic dolerites associated with the Nibao gold deposit, Youjiang Basin, southwestern China: Implications for post-collisional magmatism and its relationships with Carlin-like gold mineralization. *Ore Geology Reviews*, **2019**, 111, 102971	3.2	8
144	Highly heterogeneous depleted mantle recorded in the lower oceanic crust. **2019**, 12, 482-486		19
143	Isotopic fingerprinting of fluid circulation at the terminal stage of the Himalayan orogeny: An example from the Himalayan forearc basin, Indus Tsangpo suture zone, Ladakh, India. **2019**, 128, 1		1
142	Long-Lasting Influence of the Discovery Plume on Tholeiitic Magmatism in the South Atlantic: Data on Basalts Recovered by Hole 513a, DSDP Leg 71. **2019**, 57, 113-133		1
141	Generation of a stochastic binary field that fits a given heterogeneity power spectrum. **2019**, 217, 294-300		1
140	Closing the loop: Subducted eclogites match thallium isotope compositions of ocean island basalts. *Geochimica Et Cosmochimica Acta*, **2019**, 250, 130-148	5.5	15
139	Multiple mantle metasomatism beneath the Leizhou Peninsula, South China: evidence from elemental and Sr-Nd-Pb-Hf isotope geochemistry of the late Cenozoic volcanic rocks. *International Geology Review*, **2019**, 61, 1768-1785	2.3	18
138	P-wave anisotropic tomography of the central and southern Philippines. **2019**, 286, 154-164		16
137	Evolution of nascent mantle wedges during subduction initiation: Li-O isotopic evidence from the Luobusa ophiolite, Tibet. *Geochimica Et Cosmochimica Acta*, **2019**, 245, 35-58	5.5	17

136	Mashhad komatiitic rocks in NE Iran: Origin and implications for the evolution of the Paleo-Tethyan Ocean. **2019**, 54, 3314-3334		
135	Pleistocene alkaline rocks of Martin Vaz volcano, South Atlantic: low-degree partial melts of a CO2-metasomatized mantle plume. *International Geology Review*, **2019**, 61, 296-313	2.3	11
134	Magmatism in the North Atlantic Igneous Province; mantle temperatures, rifting and geodynamics. **2020**, 206, 102794		14
133	Lead isotope evolution of the Central European upper mantle: Constraints from the Bohemian Massif. *Geoscience Frontiers*, **2020**, 11, 925-942	6	8
132	An origin of the along-arc compositional variation in the Izu-Bonin arc system. *Geoscience Frontiers*, **2020**, 11, 1621-1634	6	7
131	Anomalous 182W in high 3He/4He ocean island basalts: Fingerprints of Earth□s core?. *Geochimica Et Cosmochimica Acta*, **2020**, 271, 194-211	5.5	45
130	Melting and metasomatism/refertilisation processes in the Patagonian sub-continental lithospheric mantle: A review. *Lithos*, **2020**, 354-355, 105324	2.9	7
129	Late Cadomian rifting of the NW Gondwana margin and the reworking of Precambrian crust □ evidence from bimodal magmatism in the early Paleozoic Moroccan Meseta. *International Geology Review*, **2020**, 1-24	2.3	8
128	Petrogenesis and geodynamic implications of the late Triassic bojites in Yajiangqiao area, Hunan Province, South China. **2020**, 29, e12370		2
127	Volcanic rocks from the Central and Southern Palawan Ophiolites, Philippines: Tectonic and mantle heterogeneity constraints. **2020**, 4, 100038		0
126	Sr□Nd□Pb□Hf Isotopic Constraints on the Mantle Heterogeneities beneath the South Mid-Atlantic Ridge at 18□21°S. *Minerals (Basel, Switzerland)*, **2020**, 10, 1010	2.4	0
125	Paleo- to Mesoproterozoic magmatic and tectonic evolution of the southwestern Yangtze Block, south China: New constraints from ca. 1.7□1.5 Ga mafic rocks in the Huili-Dongchuan area. *Gondwana Research*, **2020**, 87, 248-262	5.1	4
124	The role of subduction erosion in the generation of Andean and other convergent plate boundary arc magmas, the continental crust and mantle. *Gondwana Research*, **2020**, 88, 220-249	5.1	12
123	A precise geochemical volcano-stratigraphy of the Deccan traps. *Lithos*, **2020**, 376-377, 105754	2.9	8
122	Basalts From the Chukchi Borderland: 40Ar/39Ar Ages and Geochemistry of Submarine Intraplate Lavas Dredged From the Western Arctic Ocean. **2020**, 125, e2019JB017604		4
121	Geology, geochemistry, and geochronology of the paleoproterozoic Donggouzi mafic-ultramafic complex: Implications for the evolution of the North China craton. *Lithos*, **2020**, 366-367, 105567	2.9	3
120	Vestiges of a fore-arc oceanic crust in the Western Mediterranean: Geochemical constraints from North-East Algeria. *Lithos*, **2020**, 370-371, 105649	2.9	3
119	Geochemical and chronological evidence for collision of proto-Yap arc/Caroline plateau and rejuvenated plate subduction at Yap trench. *Lithos*, **2020**, 370-371, 105616	2.9	4

118	Geochronological, Geochemical and Sr□Nd□Pb Isotope Characteristics of the Meydan Ophiolite, SE Turkey: Petrogenesis and Implications for Mesozoic Tectonic Evolution. **2020**, 58, 639-669		
117	The isotopic (He, Ne, Sr, Nd, Hf, Pb) signature in the Indian Mantle over 8.8 Ma. *Chemical Geology*, **2020**, 550, 119741	4.2	1
116	Early Paleozoic subduction in the Indochina interior: Revealed by Ordo-Silurian mafic-intermediate igneous rocks in South Laos. *Lithos*, **2020**, 362-363, 105488	2.9	15
115	Early cretaceous transformation from Pacific to Neo-Tethys subduction in the SW Pacific Ocean: Constraints from Pb-Sr-Nd-Hf isotopes of the Philippine arc. *Geochimica Et Cosmochimica Acta*, **2020**, 285, 21-40	5.5	3
114	The Electrical Conductivity of Liebermannite: Implications for Water Transport Into the Earth's Lower Mantle. **2020**, 125, e2020JB020094		4
113	Geochronology, geochemistry, and Hf isotopes of mafic rocks from Dalabute ophiolitic mélange in West Junggar, Xinjiang (NW China): Implications for the magmatic source and tectonic setting. **2020**, 55, 2342-2362		3
112	Carbon□Strontium Isotope Decoupling in Carbonatites from Caotan (Qinling, China): Implications for the Origin of Calcite Carbonatite in Orogenic Settings. **2020**, 61,		7
111	Plume interaction and mantle heterogeneity: A geochemical perspective. *Geoscience Frontiers*, **2020**, 11, 1571-1579	6	4
110	Elemental and Sr□Nd□Pb isotopic compositions, and K□Ar ages of transitional and alkaline plateau basalts from the eastern edge of the West Cameroon Highlands (Cameroon Volcanic Line). *Lithos*, **2020**, 358-359, 105414	2.9	4
109	Geochronology, geochemistry and petrogenesis of the Dengfuxian lamprophyres: Implications for the early Cretaceous tectonic evolution of the South China Block. **2020**, 80, 125598		3
108	Geochemistry, Sr-Nd-Pb Isotopic Compositions and Zircon U-Pb Geochronology of Neoproterozoic Mafic Dyke in the Douling Complex, South Qinling Belt, China. **2020**, 31, 237-248		6
107	Petrogenesis and the evolution of Pliocene Timar basalts in the east of Lake Van, Eastern Anatolia, Turkey: A consequence of the partial melting of a metasomatized spinel□ich lithospheric mantle source. **2020**, 168, 103844		1
106	Origin of geochemically heterogeneous mid-ocean ridge basalts from the Macquarie Ridge Complex, SW Pacific. *Lithos*, **2021**, 380-381, 105893	2.9	3
105	Petrogenesis of early Carboniferous bimodal-type volcanic rocks from the Junggar Basin (NW China) with implications for Phanerozoic crustal growth in Central Asian Orogenic Belt. *Gondwana Research*, **2021**, 89, 220-237	5.1	7
104	Petrology and Nd□Sr isotopic composition of alkaline lamprophyres from the Early to Late Cretaceous Mundwara Alkaline Complex, NW India: evidence of crystal fractionation, accumulation and corrosion in a complex magma chamber plumbing system. SP513-2020-175		6
103	Chapter 7.2 Mount Erebus. **2021**, 55, 695-739		8
102	Chapter 4.1b Antarctic Peninsula: petrology. **2021**, 55, 327-343		12
101	Petrogenesis of Cenozoic high-Mg (picritic) volcanic rocks in the □esk□st□dohoří Mts. (Bohemian Massif, Czech Republic). **2021**, 115, 193-211		

100	An Overview of the Geochemical Characteristics of Oceanic Carbonatites: New Insights from Fuerteventura Carbonatites (Canary Islands). *Minerals (Basel, Switzerland)*, **2021**, 11, 203	2.4	3
99	Orogenic andesites and their link to the continental rock cycle. *Lithos*, **2021**, 382-383, 105958	2.9	2
98	Extreme isotopic heterogeneity in Samoan clinopyroxenes constrains sediment recycling. **2021**, 12, 1234		6
97	Geochronology, petrogenesis and tectonic importance of Eocene I-type magmatism in the Eastern Pontides, NE Turkey. **2021**, 14, 1		2
96	Spatial Characteristics of Recycled and Primordial Reservoirs in the Deep Mantle. **2021**, 22, e2020GC009525		11
95	Petrology of Basanitic Lavas of the Daurkhentiyn Range (PTConditions of Formation, Crystallization Sequence, and Sources of Material). *Russian Geology and Geophysics*, **2021**, 62, 291-305	1	0
94	Geochemistry of the Society and Pitcairn-Gambier mantle plumes: What they share and do not share. *Geochimica Et Cosmochimica Acta*, **2021**, 306, 362-362	5.5	1
93	Prototethyan Accretionary Orogenesis Along the East Gondwana Periphery: New Insights From the Early Paleozoic Igneous and Sedimentary Rocks in the Sibumasu. **2021**, 22, e2020GC009622		7
92	Mantle plumes and their role in Earth processes. **2021**, 2, 382-401		16
91	Petrogenesis of the Cenozoic volcanic rocks in Baekdu volcano in northeastern Asia and the expected depth of the magma chamber based on geochemistry, mineral chemistry, and Sr-Nd-Pb isotope chemistry. *Lithos*, **2021**, 388-389, 106080	2.9	1
90	Perspectives on the active volcanoes of China. SP510-2021-87		
89	Age and tectonic setting of the Quinebaug-Marlboro belt and implications for the history of Ganderian crustal fragments in southeastern New England, USA. **2021**, 17, 1038-1100		0
88	Intraplate Basalt Alkalinity Modulated by a Lithospheric Mantle Filter at the Dunedin Volcano (New Zealand). **2021**, 62,		1
87	Rapid transition from oceanic subduction to postcollisional extension revealed by Carboniferous magmatism in East Junggar (NW China), southwestern Central Asian orogenic belt.		1
86	Tracing late-stage fluid sources and vein formation within Ophiolitic mlanges from the Indus Suture Zone, Ladakh Himalaya.		0
85	First petrologic data for Vitória Seamount, Vitória-Trindade Ridge, South Atlantic: a contribution to the Trindade mantle plume evolution. *Journal of South American Earth Sciences*, **2021**, 109, 103304	2	6
84	A major change in magma sources in late Mesozoic active margin of the circum-Sea of Japan domain: Geochemical constraints from late Paleozoic to Paleogene mafic dykes in the Sergeevka belt, southern Primorye, Russia. **2021**, 30, e12426		2
83	Alkalinity of ocean island lavas decoupled from enriched source components: a case study from the EM1-PREMA Tasmantid mantle plume. *Geochimica Et Cosmochimica Acta*, **2021**,	5.5	1

82	Constraints of Late Triassic mafic-felsic volcanic rocks in northwestern Laos on the Eastern Paleotethyan post-collisional setting. *Journal of Asian Earth Sciences*, **2021**, 218, 104889	2.8	1
81	Tracing material contributions from Saint Helena plume to the South Mid-Atlantic ridge system. *Earth and Planetary Science Letters*, **2021**, 572, 117130	5.3	0
80	Do the 85°E Ridge and Conrad Rise form a hotspot track crossing the Indian Ocean?. *Lithos*, **2021**, 398-399, 106234	2.9	1
79	Southern extension of the Paleotethyan zone in SE Asia: Evidence from the Permo-Triassic granitoids in Malaysia and West Indonesia. *Lithos*, **2021**, 398-399, 106336	2.9	3
78	Middle Paleozoic archipelago amalgamation and tectonic transform in the northern West Junggar, NW China: Constraints from magmatism and deformation. *Gondwana Research*, **2021**, 98, 147-165	5.1	2
77	Petrogenesis and geodynamics of Eocene alkaline intrusions in the pre-salt sedimentary sequence of Santos Basin, Brazil. *Lithos*, **2021**, 400-401, 106400	2.9	0
76	Late Jurassic magmatism and associated Au□u polymetallic mineralization in the North China Craton: Constraints from U□b□f□r□d isotopes of the Xiayingfang intermediate-felsic igneous rocks. *Ore Geology Reviews*, **2021**, 139, 104425	3.2	
75	Encyclopedia of Geochemistry. *Encyclopedia of Earth Sciences Series*, **2018**, 867-878	0	2
74	Igneous Activity. **1995**, 59-81		12
73	Petrology and geochemistry of South Mid-Atlantic Ridge (19°S) lava flows: Implications for magmatic processes and possible plume-ridge interactions. *Geoscience Frontiers*, **2020**, 11, 1953-1973	6	4
72	Geochemistry, petrogenesis and tectonic significance of the volcanic rocks of the Las Tortolas Formation, Coastal Cordillera, northern Chile. *Journal of South American Earth Sciences*, **2018**, 87, 66-86	2	5
71	Diabase-hosted copper mineralization in the Qunjsai deposit, West Tianshan, NW China: Geological, geochemical and geochronological characteristics and mineralization mechanism. *Ore Geology Reviews*, **2018**, 92, 430-448	3.2	5
70	The generation of small melt-fractions in truncated melt columns: constraints from magmas erupted above slab windows and implications for MORB genesis. *Mineralogical Magazine*, **1996**, 60, 173-189	1.7	5
69	1.80□1.75 Ga mafic dyke swarms in the central North China craton. **2006**, 99-112		9
68	An Overview of the Carbonatites from the Indian Subcontinent. *Open Geosciences*, **2020**, 12, 85-116	1.3	8
67	Geochronology and geochemistry of mafic intrusions in the Kalatag area, eastern Tianshan. *Acta Petrologica Sinica*, **2019**, 35, 3189-3212	1.1	4
66	Features of the processed of crystallization and geochemistry of tholeiite magmas of the western end of African-Antarctic Ridge (Shpiss Ridge) in the area of Bouve triple junction. *Russian Journal of Earth Sciences*, **1999**, 1, 221-250	0.9	6
65	Geochemistry and genesis of Eocene lamprophyres in the Xiongcun porphyry copper-gold district, southern margin of the Lhasa terrane, Tibet, China. *Geochemical Journal*, **2017**, 51, 123-142	0.9	10

64	Petrology and geochemistry of Miocene igneous rocks on Rebun Island, northern Hokkaido, Japan. *Journal of Mineralogical and Petrological Sciences*, **2008**, 103, 412-426	0.9	3
63	Some Notes on the Lugiin Gol, Mushgai Khudag and Bayan Khoshuu Alkaline Complexes, Southern Mongolia. *International Journal of Geosciences*, **2013**, 04, 1200-1214	0.4	17
62	Oxygen Isotopic Ratios for Ultramafic Xenoliths from the Korean Peninsula. *Journal of the Korean Earth Science Society*, **2013**, 34, 28-40	0.1	1
61	References. **2005**, 407-441		
60	IDC5 papers. **2006**, 1-1		
59	Tectonics and magmatism of intraplate oceanic rises and the hot-spot hypothesis. **2010**, 42, 64		
58	Cenozoic Volcanoes. **2011**, 519-571		
57	Response : Mantle Plumes and Mantle Sources. *Science*, **1992**, 258, 821-822	33.3	
56	Response : Mantle Plumes and Mantle Sources. *Science*, **1992**, 258, 821-822	33.3	
55	Encyclopedia of Geochemistry. *Encyclopedia of Earth Sciences Series*, **2016**, 1-12	0	0
54	[illegible] *Proceedings of the Academy of Sciences*, **2017**, 169-174	0.5	
53	Geochemistry of Late Permian basalts from boreholes in the Sichuan Basin, SW China: Implications for an extension of the Emeishan large igneous province. *Chemical Geology*, **2022**, 588, 120636	4.2	1
52	Vitória-Trindade seamounts. **2022**, 293-336		
51	Martin Vaz Archipelago: the youngest magmatism in the Brazilian Territory. **2022**, 391-432		
50	The Abrolhos Magmatic Province, the largest postbreakup magmatism of the Eastern Brazilian margin. **2022**, 189-230		
49	Cretaceous Tethyan subduction in SE Borneo: Geochronological and geochemical constraints from the igneous rocks in the Meratus Complex. *Journal of Asian Earth Sciences*, **2022**, 226, 105084	2.8	1
48	Jurassic subduction of the Paleo-Pacific plate in Southeast Asia: New insights from the igneous and sedimentary rocks in West Borneo. *Journal of Asian Earth Sciences*, **2022**, 105111	2.8	1
47	Nd-Sr Isotopic Study of Magmatic Rocks and 40Ar/39Ar Dating of the Mafic Dike of the Proterozoic Ulan-Sardag Ophiolite Mélange (Southern Siberia, East Sayan, Middle Belt, Russia). *Minerals (Basel, Switzerland)*, **2022**, 12, 92	2.4	

46	Trindade Island: evolution of the geological knowledge. **2022**, 337-389		
45	Paleogene Volcanism in the Northern Okhotsk Region. *Petrology*, **2022**, 30, 40-59	1.2	0
44	The petrogenesis of Early–Middle Jurassic magmatism in southern and central Mexico and its role during the break-up of Western Pangaea. *Geological Magazine*, 1-20	2	3
43	Metallogenic Evolution of Northeast Asia Related to the Cretaceous Turn of Geological Evolution. *Minerals (Basel, Switzerland)*, **2022**, 12, 400	2.4	1
42	Petrogenesis of Lava from Christmas Island, Northeast Indian Ocean: Implications for the Nature of Recycled Components in Non-Plume Intraplate Settings. *Geosciences (Switzerland)*, **2022**, 12, 118	2.7	0
41	Unmixing of REE-Nb enriched carbonatites after incremental fractionation of alkaline magmas in the Shaxiongdong complex, Central China. *Lithos*, **2022**, 416-417, 106651	2.9	1
40	Geochemical constraints on source nature and recycled oceanic crust in the mantle of the Celebes Sea. *Lithos*, **2022**, 418-419, 106685	2.9	
39	Neoproterozoic Metabasalts of the Tyya Complex of the Olokit Rift Trough (Baikal–Muya Belt): Composition, U–Pb Age, Isotope-Geochemical Characteristics, and Geodynamic Effects. *Russian Geology and Geophysics*,	1	1
38	Mantle sources and melting processes beneath East Antarctica: geochemical and isotopic (Sr, Nd, Pb, O) characteristics of alkaline and tholeiite basalt from the Earth's southernmost (87° S) volcanoes. *Contributions To Mineralogy and Petrology*, **2022**, 177,	3.5	0
37	Geochemistry of mantle source during the initial expansion and its implications for the opening of the South China Sea. *Marine Geology*, **2022**, 447, 106798	3.3	
36	Contributions of mantle pyroxenite to the early Permian mantle magmatism in the southern Central Asian Orogenic Belt. *International Geology Review*, 1-19	2.3	
35	Dupal Anomaly and Identification using Nd-Hf Isotopes. *Acta Geologica Sinica*, **2022**, 96, 416-429	0.7	
34	A Spatiotemporal Change in Deep Sources for Cenozoic Volcanic Rocks in the Eastern Koryak Highlands. *Russian Journal of Pacific Geology*, **2022**, 16, 173-187	0.9	
33	Calcium isotope constraints on OIB and MORB petrogenesis: The importance of melt mixing. *Earth and Planetary Science Letters*, **2022**, 593, 117665	5.3	1
32	Sm-Nd isochron age and Sr-Nd isotopes of the calcite from the Nibao gold deposit in the Youjiang Basin, SW China. *Resource Geology*, **2022**, 72,	1	0
31	Petrogenesis and Tectonic Implications of Early Paleozoic Magmatism in Awen Gold District, South Section of the Truong Son Orogenic Belt, Laos. **2022**, 12, 923		
30	The Bafoussam volcanic series: origin and evolution of the volcanism along the Cameroon volcanic line.		
29	Evolution of the northern part of the Lesser Antilles arc: Geochemical constraints from St. Barthélemy Island lavas.		

28	Geochronology and petrogenesis of the Early Palaeozoic Fuxi magnesian granodiorite in southern Zhuguangshan, South China Block and its geodynamic significance.	1
27	Mineralogical, geochemical, and isotopic data of a new special agpaitic dyke, enriched in high field strength elements (Eastern Part of Baltic Shield, Russia). **2022**, 428-429, 106828	
26	Mesozoic tectonic transition from the Tethyan to Paleo-Pacific domains in South China: New insights from Mesozoic igneous rocks in the western Nanling Range. **2022**, 239, 105406	0
25	Late Paleozoic–Early Mesozoic granitic rocks in Eastern Peninsular Malaysia: New insights for the subduction and evolution of the Paleo-Tethys. **2022**, 239, 105427	1
24	The Upper Kedon Area of Intraplate Cenozoic Alkaline Basaltoids, Northeast Russia. **2022**, 16, 334-348	0
23	Reconstructing the East Palaeotethyan assemblage boundary at West Indonesia: Constraints from Triassic granitoids in Bangka and Belitung islands. **2023**, 531,	0
22	Abrolhos Magmatic Province petrogenesis and its link with the Vitória-Trindade Ridge, Southeast Brazilian Margin, South Atlantic Ocean. **2022**, 120, 104075	0
21	Isotopic constraints on Davis bank, Vitória-Trindade Ridge: A Revised Petrogenetic Model. **2022**, 104099	0
20	Petrogenetic insights on tephritic magmatism from Davis Bank (South Atlantic Ocean - Vitória-Trindade Ridge (VTR), Brazil): The role of a CO2-enriched mantle source. **2023**, 122, 104170	0
19	Geological processes defining the formation of plumasite-type corundum in the Paleoproterozoic Isertoq Terrane, South-East Greenland. **2023**, 385, 106940	0
18	Neogene calc-alkaline volcanism in Bobak and Sikh Kuh, Eastern Iran: Implications for magma genesis and tectonic setting.	0
17	Hydrogen Concentrations and He Isotopes in Olivine From Ultramafic Lamprophyres Provide New Constraints on a Wet Tarim Plume and Earth's Deep Water Cycle. **2022**, 127,	0
16	Melt sources for alkaline carbonate-bearing rocks of the Terskiy Coast (Kola Alkaline Carbonatitic Province). **2022**, 121267	0
15	Mantle source lithologies for the Columbia River flood basalt province. **2023**, 178,	0
14	Stable Sn isotope signatures of Mid-ocean ridge basalts. **2023**, 121347	0
13	Where, when and why for the arc-trench gap from Mesozoic Paleo-Pacific subduction zone: Sabah Triassic-Cretaceous igneous records in East Borneo. **2023**, 117, 117-138	0
12	A peridotite source for strongly alkalic ultrabasic HIMU lavas of the Oslo Rift, Norway. **2023**, 622, 121377	0
11	Reactivation of metal-fertilized lower continental crust: Origin of intrusion-related Asiha gold deposit in Eastern Kunlun orogenic Belt, China. **2023**, 156, 105372	0

10	Ca. 830 Ma alkaline mafic dykes in the southeastern Guizhou Province, South China: New constraints on the Neoproterozoic evolution of the Yangtze Block. **2023**, 389, 107032	0
9	Contribution from ancient subducted slab to the Emeishan Large Igneous Province: Constraints from the petrogenesis of mafic intrusions in the western Guangxi area, South China. **2023**, 446-447, 107131	0
8	Widespread Cadomian–Pan-African Ediacaran magmatism across the Moroccan Meseta: Implication for the geodynamic evolution of the NW Gondwana margin. **2023**, 387, 106992	0
7	The isotopic origin of Lord Howe Island reveals secondary mantle plume twinning in the Tasman Sea. **2023**, 622, 121374	0
6	Petrogenesis and geochemical characteristics of Plio-Quaternary alkali basalts from the Qorveh–Bijar volcanic belt, Kurdistan Province, NW Iran. 1-17	0
5	Trace Element Evidence of Subduction-Modified Mantle Material in South Mid-Atlantic Ridge 18–21°S Upper Mantle. **2023**, 11, 441	0
4	Petrogenesis and Tectonic Implications of the Tertiary Choke Shield Basalt and Continental Flood Basalt from the Central Ethiopian Plateau. **2023**, 34, 86-100	0
3	A Mesoproterozoic to Jurassic history of continental eclogites from the Guatemala Suture Zone: Implications for a peri-Amazonian ancestry. **2023**, 119, 262-281	0
2	Zircon U–Pb Geochronology, Geochemistry and Geological Significance of the Santaishan–Yingjiang Ultramafic Rocks in Western Yunnan, China. **2023**, 13, 536	0
1	Geochemical data, Nd and Hf isotopes and U–Pb geochronology of meta-mafic rocks from western Gondwana suture zone. **2023**, 127, 104373	0