

## List of Publications by Citations

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600

papers

43,229

citations

104

h-index

177

g-index

607

ext. papers

48,069

ext. citations

5.6

avg, IF

7.83

L-index

#	Paper	IF	Citations
600	Evidence from detrital zircons for the existence of continental crust and oceans on the Earth 4.4 Gyr ago. <i>Nature</i> , <b>2001</b> , 409, 175-8	50.4	1172
599	Magmatic and crustal differentiation history of granitic rocks from Hf-O isotopes in zircon. <i>Science</i> , <b>2007</b> , 315, 980-3	33.3	940
598	Further Characterisation of the 91500 Zircon Crystal. <i>Geostandards and Geoanalytical Research</i> , <b>2004</b> , 28, 9-39		902
597	4.4 billion years of crustal maturation: oxygen isotope ratios of magmatic zircon. <i>Contributions To Mineralogy and Petrology</i> , <b>2005</b> , 150, 561-580	3.5	760
596	Prediction of crystal-melt partition coefficients from elastic moduli. <i>Nature</i> , <b>1994</b> , 372, 452-454	50.4	737
595	Modification and preservation of environmental signals in speleothems. <i>Earth-Science Reviews</i> , <b>2006</b> , 75, 105-153	10.2	556
594	UWG-2, a garnet standard for oxygen isotope ratios: Strategies for high precision and accuracy with laser heating. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 5223-5231	5.5	555
593	Using hafnium and oxygen isotopes in zircons to unravel the record of crustal evolution. <i>Chemical Geology</i> , <b>2006</b> , 226, 144-162	4.2	554
592	A change in the geodynamics of continental growth 3 billion years ago. <i>Science</i> , <b>2012</b> , 335, 1334-6	33.3	553
591	Episodic growth of the Gondwana supercontinent from hafnium and oxygen isotopes in zircon. <i>Nature</i> , <b>2006</b> , 439, 580-3	50.4	535
590	Oxygen Isotopes in Zircon. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2003</b> , 53, 343-385	7.1	483
589	Zircon Behaviour and the Thermal Histories of Mountain Chains. <i>Elements</i> , <b>2007</b> , 3, 25-30	3.8	459
588	MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2006</b> , 7, n/a-n/a	3.6	445
587	SIMS determination of trace element partition coefficients between garnet, clinopyroxene and hydrous basaltic liquids at 27.5 GPa and 1080-1200°C. <i>Lithos</i> , <b>2000</b> , 53, 165-187	2.9	445
586	Evolution of the continental crust. <i>Nature</i> , <b>2006</b> , 443, 811-7	50.4	433
585	A predictive model for rare earth element partitioning between clinopyroxene and anhydrous silicate melt. <i>Contributions To Mineralogy and Petrology</i> , <b>1997</b> , 129, 166-181	3.5	396
584	Experimental constraints on major and trace element partitioning during partial melting of eclogite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2002</b> , 66, 3109-3123	5.5	343

583	The chemistry of zircon: Variations within and between large crystals from syenite and alkali basalt xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , <b>1991</b> , 55, 3287-3302	5.5	340
582	Trace elements in speleothems as recorders of environmental change. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 449-468	3.9	330
581	Isotopic evidence for rapid continental growth in an extensional accretionary orogen: The Tasmanides, eastern Australia. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 284, 455-466	5.3	322
580	Partitioning of trace elements between crystals and melts. <i>Earth and Planetary Science Letters</i> , <b>2003</b> , 210, 383-397	5.3	300
579	Heavy REE are compatible in clinopyroxene on the spinel lherzolite solidus. <i>Earth and Planetary Science Letters</i> , <b>1998</b> , 160, 493-504	5.3	294
578	A cool early Earth. <i>Geology</i> , <b>2002</b> , 30, 351	5	293
577	Magmatic $\delta^{18}O$ in 4400-3900 Ma detrital zircons: A record of the alteration and recycling of crust in the Early Archean. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 235, 663-681	5.3	277
576	Trace-element geochemistry of mantle olivine and application to mantle petrogenesis and geothermobarometry. <i>Chemical Geology</i> , <b>2010</b> , 270, 196-215	4.2	262
575	A dearth of intermediate melts at subduction zone volcanoes and the petrogenesis of arc andesites. <i>Nature</i> , <b>2009</b> , 461, 1269-73	50.4	259
574	Oxygen isotope ratios and rare earth elements in 3.3 to 4.4 Ga zircons: Ion microprobe evidence for high $\delta^{18}O$ continental crust and oceans in the Early Archean. <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 4215-4229	5.5	249
573	Refining the $P-T$ records of UHT crustal metamorphism. <i>Journal of Metamorphic Geology</i> , <b>2008</b> , 26, 125-154	5.4	248
572	An integrated microtextural and chemical approach to zircon geochronology: refining the Archean history of the Napier Complex, east Antarctica. <i>Contributions To Mineralogy and Petrology</i> , <b>2005</b> , 149, 57-84	3.5	246
571	Uranium-thorium disequilibria and partitioning on melting of garnet peridotite. <i>Nature</i> , <b>1993</b> , 363, 63-65	50.4	238
570	Magma heating by decompression-driven crystallization beneath andesite volcanoes. <i>Nature</i> , <b>2006</b> , 443, 76-80	50.4	235
569	Trace Element Partitioning and Accessory Phase Saturation during H <sub>2</sub> O-Saturated Melting of Basalt with Implications for Subduction Zone Chemical Fluxes. <i>Journal of Petrology</i> , <b>2008</b> , 49, 523-553	3.9	228
568	Fractionation of trace elements by subduction-zone metamorphism: Effect of convergent-margin thermal evolution. <i>Earth and Planetary Science Letters</i> , <b>1999</b> , 171, 63-81	5.3	228
567	Partitioning of Sr <sup>2+</sup> and Mg <sup>2+</sup> into calcite under karst-analogue experimental conditions. <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 47-62	5.5	226
566	Systematics and energetics of trace-element partitioning between olivine and silicate melts: Implications for the nature of mineral/melt partitioning. <i>Chemical Geology</i> , <b>1994</b> , 117, 57-71	4.2	221

565	Low- $\delta^{18}\text{O}$ Rhyolites from Yellowstone: Magmatic Evolution Based on Analyses of Zircons and Individual Phenocrysts. <i>Journal of Petrology</i> , <b>2001</b> , 42, 1491-1517	3.9	218
564	Partial melting and phase relations in high-grade metapelites: an experimental petrogenetic grid in the KFMASH system. <i>Contributions To Mineralogy and Petrology</i> , <b>1995</b> , 120, 270-291	3.5	213
563	REE fractionation and Nd-isotope disequilibrium during crustal anatexis: constraints from Himalayan leucogranites. <i>Chemical Geology</i> , <b>1997</b> , 139, 249-269	4.2	207
562	Li isotope fractionation in peridotites and mafic melts. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 202-218	3.8	205
561	Partitioning of high field-strength and rare-earth elements between amphibole and quartz-dioritic to tonalitic melts: an experimental study. <i>Chemical Geology</i> , <b>1997</b> , 138, 257-271	4.2	197
560	Kankan diamonds (Guinea) II: lower mantle inclusion parageneses. <i>Contributions To Mineralogy and Petrology</i> , <b>2000</b> , 140, 16-27	3.5	190
559	Magma Evolution and Open-System Processes at Shiveluch Volcano: Insights from Phenocryst Zoning. <i>Journal of Petrology</i> , <b>2006</b> , 47, 2303-2334	3.9	189
558	The effect of Ca-Tschermaks component on trace element partitioning between clinopyroxene and silicate melt. <i>Lithos</i> , <b>2000</b> , 53, 203-215	2.9	189
557	An experimental study of trace element partitioning between zircon and melt as a function of oxygen fugacity. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 95, 196-212	5.5	185
556	Primary carbonatite melt from deeply subducted oceanic crust. <i>Nature</i> , <b>2008</b> , 454, 622-5	50.4	183
555	Geochemistry, petrology, and cooling history of 14161,7373: A plutonic lunar sample with textural evidence of granitic-fraction separation by silicate-liquid immiscibility. <i>American Mineralogist</i> , <b>1999</b> , 84, 838-847	2.9	182
554	Accessory phase controls on the geochemistry of crustal melts and restites produced during water-undersaturated partial melting. <i>Contributions To Mineralogy and Petrology</i> , <b>1993</b> , 114, 550-566	3.5	182
553	Determination of partition coefficients between apatite, clinopyroxene, amphibole, and melt in natural spinel lherzolites from Yemen: Implications for wet melting of the lithospheric mantle. <i>Geochimica Et Cosmochimica Acta</i> , <b>1996</b> , 60, 423-437	5.5	180
552	SIMS analysis of oxygen isotopes: matrix effects in complex minerals and glasses. <i>Chemical Geology</i> , <b>1997</b> , 138, 221-244	4.2	176
551	Experimental comparison of trace element partitioning between clinopyroxene and melt in carbonate and silicate systems, and implications for mantle metasomatism. <i>Contributions To Mineralogy and Petrology</i> , <b>2000</b> , 139, 356-371	3.5	173
550	The generation of uranium series disequilibria by partial melting of spinel peridotite: constraints from partitioning studies. <i>Earth and Planetary Science Letters</i> , <b>1993</b> , 117, 379-391	5.3	170
549	An experimental study of amphibole stability in low-pressure granitic magmas and a revised Al-in-hornblende geobarometer. <i>Contributions To Mineralogy and Petrology</i> , <b>2016</b> , 171, 1	3.5	168
548	Rapid decompression-driven crystallization recorded by melt inclusions from Mount St. Helens volcano. <i>Geology</i> , <b>2005</b> , 33, 793	5	168

547	Evaporite mineral assemblages in the nakhlite (martian) meteorites. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 176, 267-279	5.3	167
546	A case for CO <sub>2</sub> -rich arc magmas. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 290, 289-301	5.3	165
545	Silicon and Oxygen Self-Diffusivities in Silicate Liquids Measured to 15 Gigapascals and 2800 Kelvin. <i>Science</i> , <b>1997</b> , 276, 1245-1248	33.3	165
544	Trace element distribution in annual stalagmite laminae mapped by micrometer-resolution X-ray fluorescence: Implications for incorporation of environmentally significant species. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 1494-1512	5.5	163
543	Zircon Tiny but Timely. <i>Elements</i> , <b>2007</b> , 3, 13-18	3.8	161
542	Metasomatic processes in lherzolithic and harzburgitic domains of diamondiferous lithospheric mantle: REE in garnets from xenoliths and inclusions in diamonds. <i>Earth and Planetary Science Letters</i> , <b>1998</b> , 159, 1-12	5.3	159
541	Annual trace element variations in a Holocene speleothem. <i>Earth and Planetary Science Letters</i> , <b>1998</b> , 154, 237-246	5.3	158
540	Seasonal variations in Sr, Mg and P in modern speleothems (Grotta di Ernesto, Italy). <i>Chemical Geology</i> , <b>2001</b> , 175, 429-448	4.2	156
539	Low-temperature carbonate concretions in the Martian meteorite ALH84001: evidence from stable isotopes and mineralogy. <i>Science</i> , <b>1997</b> , 275, 1633-8	33.3	149
538	The trace element composition of silicate inclusions in diamonds: a review. <i>Lithos</i> , <b>2004</b> , 77, 1-19	2.9	149
537	High-pressure Hydrous Phase Relations of Radiolarian Clay and Implications for the Involvement of Subducted Sediment in Arc Magmatism. <i>Journal of Petrology</i> , <b>2010</b> , 51, 2211-2243	3.9	148
536	Sodium partitioning between clinopyroxene and silicate melts. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 15501-15515		147
535	Aragonite-Calcite Relationships in Speleothems (Grotte De Clamouse, France): Environment, Fabrics, and Carbonate Geochemistry. <i>Journal of Sedimentary Research</i> , <b>2002</b> , 72, 687-699	2.1	146
534	Mineral-Melt Partitioning of Uranium, Thorium and Their Daughters. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2003</b> , 52, 59-123	7.1	146
533	Trace element partitioning on the Tinaquillo Lherzolite solidus at 1.5GPa. <i>Physics of the Earth and Planetary Interiors</i> , <b>2003</b> , 139, 129-147	2.3	143
532	In situ U/Pb rutile dating by LA-ICP-MS: 208Pb correction and prospects for geological applications. <i>Contributions To Mineralogy and Petrology</i> , <b>2011</b> , 162, 515-530	3.5	142
531	Structure of the 8200-year cold event revealed by a speleothem trace element record. <i>Science</i> , <b>2002</b> , 296, 2203-6	33.3	136
530	Development of microporosity, diffusion channels and deuteric coarsening in perthitic alkali feldspars. <i>Contributions To Mineralogy and Petrology</i> , <b>1990</b> , 104, 507-515	3.5	136

529	Diffusion of Li in olivine. Part I: Experimental observations and a multi species diffusion model. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 274-292	5.5	135
528	Silicate perovskite-melt partitioning of trace elements and geochemical signature of a deep perovskitic reservoir. <i>Geochimica Et Cosmochimica Acta</i> , <b>2005</b> , 69, 485-496	5.5	134
527	Correlated microanalysis of zircon: Trace element, $\delta^{18}O$ , and U-Th-Pb isotopic constraints on the igneous origin of complex >3900 Ma detrital grains. <i>Geochimica Et Cosmochimica Acta</i> , <b>2006</b> , 70, 5601-5616	5.5	133
526	Si and O diffusion in olivine and implications for characterizing plastic flow in the mantle. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 26-1	4.9	133
525	Water solubility and chlorine partitioning in Cl-rich granitic systems: Effects of melt composition at 2 kbar and 800°C. <i>Geochimica Et Cosmochimica Acta</i> , <b>1992</b> , 56, 679-687	5.5	133
524	Boron and calcium isotope composition in Neoproterozoic carbonate rocks from Namibia: evidence for extreme environmental change. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 231, 73-86	5.3	132
523	Annual to sub-annual resolution of multiple trace-element trends in speleothems. <i>Journal of the Geological Society</i> , <b>2001</b> , 158, 831-841	2.7	132
522	The role of clinopyroxene in generating U-series disequilibrium during mantle melting. <i>Geochimica Et Cosmochimica Acta</i> , <b>1999</b> , 63, 1613-1620	5.5	132
521	Mineral inclusions in sublithospheric diamonds from Collier 4 kimberlite pipe, Juina, Brazil: subducted protoliths, carbonated melts and primary kimberlite magmatism. <i>Contributions To Mineralogy and Petrology</i> , <b>2010</b> , 160, 489-510	3.5	131
520	Plagioclase residence times at two island arc volcanoes (Kameni Islands, Santorini, and Soufriere, St. Vincent) determined by Sr diffusion systematics. <i>Contributions To Mineralogy and Petrology</i> , <b>1999</b> , 136, 345-357	3.5	131
519	Partitioning of F between H <sub>2</sub> O and CO <sub>2</sub> fluids and topaz rhyolite melt. <i>Contributions To Mineralogy and Petrology</i> , <b>1990</b> , 104, 424-438	3.5	131
518	Metapelitic Migmatites from Brattstrand Bluffs, East Antarctica: Metamorphism, Melting and Exhumation of the Mid Crust. <i>Journal of Petrology</i> , <b>1996</b> , 37, 395-414	3.9	128
517	Rates of hydrothermal cooling of new oceanic upper crust derived from lithium-geospeedometry. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 240, 415-424	5.3	126
516	Ion microprobe trace-element analysis of silicates: Measurement of multi-element glasses. <i>Chemical Geology</i> , <b>1990</b> , 83, 11-25	4.2	126
515	Geochemistry of granitic melts produced during the incongruent melting of muscovite: Implications for the extraction of Himalayan leucogranite magmas. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 15767-15777	12.5	
514	Fluid-melt interactions involving Cl-rich granites: Experimental study from 2 to 8 kbar. <i>Geochimica Et Cosmochimica Acta</i> , <b>1992</b> , 56, 659-678	5.5	122
513	The effect of cation charge on crystal-melt partitioning of trace elements. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 188, 59-71	5.3	119
512	Quantifying physiological influences on otolith microchemistry. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 806-816	7.7	118

511	Apatite: A new redox proxy for silicic magmas?. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 132, 101-119	5.5	117
510	The impact of zircon/garnet REE distribution data on the interpretation of zircon U/Pb ages in complex high-grade terrains: An example from the Rauer Islands, East Antarctica. <i>Chemical Geology</i> , <b>2007</b> , 241, 62-87	4.2	117
509	Reconstructing the deep CO <sub>2</sub> degassing behaviour of large basaltic fissure eruptions. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 393, 120-131	5.3	115
508	Magma Emplacement and Remobilization Timescales Beneath Montserrat: Insights from Sr and Ba Zonation in Plagioclase Phenocrysts. <i>Journal of Petrology</i> , <b>2003</b> , 44, 1413-1431	3.9	115
507	Kankan diamonds (Guinea) I: from the lithosphere down to the transition zone. <i>Contributions To Mineralogy and Petrology</i> , <b>2000</b> , 140, 1-15	3.5	113
506	Near-solidus evolution of oceanic gabbros: insights from amphibole geochemistry. <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 4339-4357	5.5	113
505	Experimental Simulation of Closed-System Degassing in the System Basalt-H <sub>2</sub> O-CO <sub>2</sub> -Cl. <i>Journal of Petrology</i> , <b>2011</b> , 52, 1737-1762	3.9	112
504	High-temperature lithium isotope fractionation: Insights from lithium isotope diffusion in magmatic systems. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 257, 609-621	5.3	112
503	Experimental determination of the diffusion coefficient for calcium in olivine between 900°C and 1500°C. <i>Geochimica Et Cosmochimica Acta</i> , <b>2005</b> , 69, 3683-3694	5.5	110
502	Diamonds from the asthenosphere and the transition zone. <i>European Journal of Mineralogy</i> , <b>2001</b> , 13, 883-892	2.2	109
501	Partitioning of trace elements between clinopyroxene and garnet: data from mantle eclogites. <i>Chemical Geology</i> , <b>1997</b> , 136, 1-24	4.2	108
500	Melt geometry, movement and crystallization, in relation to mantle dykes, veins and metasomatism. <i>Philosophical Transactions of the Royal Society: Physical and Engineering Sciences</i> , <b>1993</b> , 342, 1-21		108
499	Experimental partitioning of high field strength and rare earth elements between clinopyroxene and garnet in andesitic to tonalitic systems. <i>Geochimica Et Cosmochimica Acta</i> , <b>2000</b> , 64, 99-115	5.5	107
498	Concurrent Mixing and Cooling of Melts under Iceland. <i>Journal of Petrology</i> , <b>2008</b> , 49, 1931-1953	3.9	106
497	Ultrahigh temperature granulite metamorphism (1050 °C, 12 kbar) and decompression in garnet (Mg <sub>70</sub> )orthopyroxene-illimanite gneisses from the Rauer Group, East Antarctica. <i>Journal of Metamorphic Geology</i> , <b>1998</b> , 16, 541-562	4.4	104
496	Cycling of B, Li, and LILE (K, Cs, Rb, Ba, Sr) into subduction zones: SIMS evidence from micas in high-P/T metasedimentary rocks. <i>Chemical Geology</i> , <b>2007</b> , 239, 284-304	4.2	104
495	Melt inclusions track pre-eruption storage and dehydration of magmas at Etna. <i>Geology</i> , <b>2009</b> , 37, 571-574		103
494	Coralline algae are global palaeothermometers with bi-weekly resolution. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 771-779	5.5	103

493	Experimental investigations of the partitioning of Nb, Mo, Ba, Ce, Pb, Ra, Th, Pa, and U between immiscible carbonate and silicate liquids. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 1307-1320	5.5	101
492	Evolving east Asian river systems reconstructed by trace element and Pb and Nd isotope variations in modern and ancient Red River-Song Hong sediments. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2008</b> , 9, n/a-n/a	3.6	100
491	Atomistic simulation of trace element incorporation into garnets—comparison with experimental garnet-melt partitioning data. <i>Geochimica Et Cosmochimica Acta</i> , <b>2000</b> , 64, 1629-1639	5.5	100
490	Rare and unusual mineral inclusions in diamonds from Mwadui, Tanzania. <i>Contributions To Mineralogy and Petrology</i> , <b>1998</b> , 132, 34-47	3.5	99
489	Lead isotope variability in olivine-hosted melt inclusions from Iceland. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 4159-4176	5.5	99
488	Channelized Fluid Flow and Eclogite-facies Metasomatism along the Subduction Shear Zone. <i>Journal of Petrology</i> , <b>2014</b> , 55, 883-916	3.9	98
487	Annual trace element cycles in calcite—ragonite speleothems: evidence of drought in the western Mediterranean 1200±100 yr BP. <i>Journal of Quaternary Science</i> , <b>2005</b> , 20, 423-433	2.3	98
486	Slow oxygen diffusion rates in igneous zircons from metamorphic rocks. <i>American Mineralogist</i> , <b>2003</b> , 88, 1003-1014	2.9	96
485	Zircon growth in UHT leucosome: constraints from zircon-garnet rare earth elements (REE) relations in Napier Complex, East Antarctica. <i>Journal of Mineralogical and Petrological Sciences</i> , <b>2004</b> , 99, 180-190	0.9	96
484	Experimental determination of REE partition coefficients between zircon, garnet and melt: a key to understanding high-T crustal processes. <i>Journal of Metamorphic Geology</i> , <b>2015</b> , 33, 231-248	4.4	94
483	A matter of time: The importance of the duration of UHT metamorphism. <i>Journal of Mineralogical and Petrological Sciences</i> , <b>2016</b> , 111, 50-72	0.9	94
482	Ultra-Trace Element Analysis of NIST SRM 616 and 614 using Laser Ablation Microprobe-Inductively Coupled Plasma-Mass Spectrometry (LAM-ICP-MS): a Comparison with Secondary Ion Mass Spectrometry (SIMS). <i>Geostandards and Geoanalytical Research</i> , <b>1997</b> , 21, 191-203	3.6	94
481	Petrological cannibalism: the chemical and textural consequences of incremental magma body growth. <i>Contributions To Mineralogy and Petrology</i> , <b>2013</b> , 166, 703-729	3.5	93
480	Cathodoluminescence and trace element zoning in quartz phenocrysts and xenocrysts. <i>Geochimica Et Cosmochimica Acta</i> , <b>1997</b> , 61, 4337-4348	5.5	93
479	The 'zero charge' partitioning behaviour of noble gases during mantle melting. <i>Nature</i> , <b>2003</b> , 423, 738-741	5.0	93
478	The differentiation and rates of generation of the continental crust. <i>Chemical Geology</i> , <b>2006</b> , 226, 134-143	3.2	92
477	The causes and petrological significance of cathodoluminescence emissions from alkali feldspars. <i>Contributions To Mineralogy and Petrology</i> , <b>1999</b> , 135, 234-243	3.5	92
476	The identification and significance of pure sediment-derived granites. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 467, 57-63	5.3	91

475	The nature of erupting kimberlite melts. <i>Lithos</i> , <b>2009</b> , 112, 429-438	2.9	91
474	Oxygen isotope evidence for slab-derived fluids in the sub-arc mantle. <i>Nature</i> , <b>1998</b> , 393, 777-781	50.4	91
473	Trace-element partitioning between apatite and carbonatite melt. <i>American Mineralogist</i> , <b>2003</b> , 88, 639-646	6.46	90
472	$\delta^{11}\text{B}$ , Sr, Mg and B in a modern Porites coral: the relationship between calcification site pH and skeletal chemistry. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 1790-1800	5.5	89
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