

Simon P Turner

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179
papers

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181
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13,291
ext. citations

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L-index

#	Paper	IF	Citations
179	Post-collision, Shoshonitic Volcanism on the Tibetan Plateau: Implications for Convective Thinning of the Lithosphere and the Source of Ocean Island Basalts. <i>Journal of Petrology</i> , 1996 , 37, 45-71	3.9	770
178	U-Th Isotopes in Arc Magmas: Implications for Element Transfer from the Subducted Crust. <i>Science</i> , 1997 , 276, 551-5	33.3	691
177	Amphibole Sponges in arc crust?. <i>Geology</i> , 2007 , 35, 787	5	649
176	Derivation of some A-type magmas by fractionation of basaltic magma: An example from the Padthaway Ridge, South Australia. <i>Lithos</i> , 1992 , 28, 151-179	2.9	604
175	Magmatism and continental break-up in the South Atlantic: high precision ^{40}Ar - ^{39}Ar geochronology. <i>Earth and Planetary Science Letters</i> , 1994 , 121, 333-348	5.3	346
174	Timing of Tibetan uplift constrained by analysis of volcanic rocks. <i>Nature</i> , 1993 , 364, 50-54	50.4	330
173	^{238}U / ^{230}Th disequilibria, magma petrogenesis, and flux rates beneath the depleted Tonga-Kermadec island arc. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 4855-4884	5.5	302
172	Age and composition of dikes in Southern Tibet: New constraints on the timing of east-west extension and its relationship to postcollisional volcanism. <i>Geology</i> , 2001 , 29, 339	5	300
171	Magmatism Associated with Orogenic Collapse of the Betic-Alboran Domain, SE Spain. <i>Journal of Petrology</i> , 1999 , 40, 1011-1036	3.9	235
170	Dy/Dy*: Variations Arising from Mantle Sources and Petrogenetic Processes. <i>Journal of Petrology</i> , 2013 , 54, 525-537	3.9	203
169	U-series isotopes and destructive plate margin magma genesis in the Lesser Antilles. <i>Earth and Planetary Science Letters</i> , 1996 , 142, 191-207	5.3	195
168	3-D, ^{40}Ar / ^{39}Ar geochronology in the Parana continental flood basalt province. <i>Earth and Planetary Science Letters</i> , 1996 , 143, 95-109	5.3	189
167	Some geodynamic and compositional constraints on "postorogenic" magmatism. <i>Geology</i> , 1992 , 20, 931-5	5	188
166	Time Scales of Crystal Fractionation in Magma Chambers Integrating Physical, Isotopic and Geochemical Perspectives. <i>Journal of Petrology</i> , 2000 , 41, 991-1006	3.9	174
165	Elemental U and Th variations in island arc rocks: implications for U-series isotopes. <i>Chemical Geology</i> , 1997 , 139, 207-221	4.2	168
164	The nature of the sub-continental mantle: constraints from the major-element composition of continental flood basalts. <i>Chemical Geology</i> , 1995 , 120, 295-314	4.2	164
163	Constraints on flux rates and mantle dynamics beneath island arcs from Tonga-Kermadec lava geochemistry. <i>Nature</i> , 1997 , 389, 568-573	50.4	153

162	Ultrafast source-to-surface movement of melt at island arcs from 226Ra-230Th systematics. <i>Science</i> , 2001 , 292, 1363-6	33.3	149
161	Heading down early on? Start of subduction on Earth. <i>Geology</i> , 2014 , 42, 139-142	5	145
160	Using geochemistry to map mantle flow beneath the Lau Basin. <i>Geology</i> , 1998 , 26, 1019	5	136
159	U, Th and Ra disequilibria, Sr, Nd and Pb isotope and trace element variations in Sunda arc lavas: predominance of a subducted sediment component. <i>Contributions To Mineralogy and Petrology</i> , 2001 , 142, 43-57	3.5	132
158	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> , 1999 , 136, 345-357	3.5	131
157	Origin of primitive high-Mg andesite: Constraints from natural examples and experiments. <i>Earth and Planetary Science Letters</i> , 2009 , 283, 59-66	5.3	130
156	Mantle processes during Gondwana break-up and dispersal. <i>Journal of African Earth Sciences</i> , 1999 , 28, 239-261	2.2	124
155	Petrogenesis and Stratigraphy of the High-Ti/Y Urubici Magma Type in the Paraná Flood Basalt Province and Implications for the Nature of Dupal-Type Mantle in the South Atlantic Region. <i>Journal of Petrology</i> , 1999 , 40, 451-473	3.9	124
154	U/Th isotope disequilibria and ocean island basalt generation in the Azores. <i>Chemical Geology</i> , 1997 , 139, 145-164	4.2	123
153	An Inter-Laboratory Assessment of the Thorium Isotopic Composition of Synthetic and Rock Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2008 , 32, 65-91		122
152	Erosion timescales derived from U-decay series measurements in rivers. <i>Earth and Planetary Science Letters</i> , 2001 , 193, 549-563	5.3	116
151	226Ra-230Th evidence for multiple dehydration events, rapid melt ascent and the time scales of differentiation beneath the Tonga-Kermadec island arc. <i>Earth and Planetary Science Letters</i> , 2000 , 179, 581-593	5.3	114
150	Mantle plumes, flood basalts, and thermal models for melt generation beneath continents: Assessment of a conductive heating model and application to the Paraná. <i>Journal of Geophysical Research</i> , 1996 , 101, 11503-11518		110
149	Timescales of destructive plate margin magmatism: new insights from Santorini, Aegean volcanic arc. <i>Earth and Planetary Science Letters</i> , 2000 , 174, 265-281	5.3	106
148	Sm-Nd isotopic evidence for the provenance of sediments from the Adelaide Fold Belt and southeastern Australia with implications for episodic crustal addition. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 1837-1856	5.5	105
147	U-series isotope and geodynamic constraints on mantle melting processes beneath the Newer Volcanic Province in South Australia. <i>Earth and Planetary Science Letters</i> , 2007 , 261, 517-533	5.3	102
146	Time scales of magmatic processes. <i>Earth and Planetary Science Letters</i> , 2004 , 218, 1-16	5.3	102
145	Uranium-series isotopes in river materials: Insights into the timescales of erosion and sediment transport. <i>Earth and Planetary Science Letters</i> , 2008 , 265, 1-17	5.3	101

144	The evolution of weathering profiles through time: New insights from uranium-series isotopes. <i>Earth and Planetary Science Letters</i> , 2008 , 274, 359-371	5.3	97
143	Melting processes and fluid and sediment transport rates along the Alaska-Aleutian arc from an integrated U-Th-Ra-Be isotope study. <i>Journal of Geophysical Research</i> , 2003 , 108,		92
142	High spatial resolution investigations using an ultra-violet laser probe extraction technique. <i>Geochimica Et Cosmochimica Acta</i> , 1994 , 58, 3519-3525	5.5	89
141	Case studies of plagioclase growth and residence times in island arc lavas from Tonga and the Lesser Antilles, and a model to reconcile discordant age information. <i>Earth and Planetary Science Letters</i> , 2003 , 214, 279-294	5.3	87
140	A U-series study of lavas from Kamchatka and the Aleutians: constraints on source composition and melting processes. <i>Contributions To Mineralogy and Petrology</i> , 1998 , 133, 217-234	3.5	85
139	Geochemical precursors to volcanic activity at Mount St. Helens, USA. <i>Science</i> , 2004 , 306, 1167-9	33.3	85
138	Granite production in the Delamerian Orogen, South Australia. <i>Journal of the Geological Society</i> , 2002 , 159, 557-575	2.7	84
137	Evidence for recycled Archaean oceanic mantle lithosphere in the Azores plume. <i>Nature</i> , 2002 , 420, 304-304	30.4	82
136	Partial melting and upwelling rates beneath the Azores from a U-series isotope perspective. <i>Earth and Planetary Science Letters</i> , 2005 , 239, 42-56	5.3	78
135	Climatic and vegetation control on sediment dynamics during the last glacial cycle. <i>Geology</i> , 2010 , 38, 395-398	5	73
134	Measuring Timescales of Magmatic Evolution. <i>Elements</i> , 2007 , 3, 267-272	3.8	72
133	Uranium-series isotopes in colloids and suspended sediments: Timescale for sediment production and transport in the Murray-Darling River system. <i>Earth and Planetary Science Letters</i> , 2006 , 246, 418-431	5.3	70
132	Long magma residence times at an island arc volcano (Soufriere, St. Vincent) in the Lesser Antilles: evidence from ^{238}U - ^{230}Th isochron dating. <i>Earth and Planetary Science Letters</i> , 1998 , 160, 49-63	5.3	69
131	Magma evolution and ascent at volcanic arcs: constraining petrogenetic processes through rates and chronologies. <i>Journal of Volcanology and Geothermal Research</i> , 2005 , 140, 171-191	2.8	68
130	HfNd isotope and trace element constraints on subduction inputs at island arcs: Limitations of Hf anomalies as sediment input indicators. <i>Earth and Planetary Science Letters</i> , 2011 , 304, 212-223	5.3	63
129	Tectonic controls on magmatism associated with continental break-up: an example from the Paraná Etendeka Province. <i>Earth and Planetary Science Letters</i> , 2000 , 179, 335-349	5.3	63
128	Mobility of U-series nuclides during basalt weathering: An example from the Deccan Traps (India). <i>Chemical Geology</i> , 2005 , 219, 69-91	4.2	62
127	Measurement of femtogram quantities of protactinium in silicate rock samples by multicollector inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 3584-9	7.8	60

126	The silicon isotope composition of granites. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 92, 184-202	5.5	58
125	Geochemical evolution of lithospheric mantle beneath S.E. South Australia. <i>Chemical Geology</i> , 2002 , 182, 663-695	4.2	58
124	Melting dynamics beneath the tonga-kermadec island arc inferred from (231)Pa-(235)U systematics. <i>Science</i> , 1999 , 286, 2491-3	33.3	57
123	Fractionation of 238U/235U by reduction during low temperature uranium mineralisation processes. <i>Earth and Planetary Science Letters</i> , 2014 , 388, 306-317	5.3	55
122	Uranium-series Geochemistry 2003 ,		53
121	Experimental Measurements of Trace Element Partitioning Between Lawsonite, Zoisite and Fluid and their Implication for the Composition of Arc Magmas. <i>Journal of Petrology</i> , 2011 , 52, 1049-1075	3.9	52
120	Recent contribution of sediments and fluids to the mantle's volatile budget. <i>Nature Geoscience</i> , 2012 , 5, 50-54	18.3	51
119	Boron and oxygen isotope evidence for recycling of subducted components over the past 2.5 Gyr. <i>Nature</i> , 2007 , 447, 702-5	50.4	51
118	Textural and chemical variation in plagioclase phenocrysts from the 1980 eruptions of Mount St. Helens, USA. <i>Contributions To Mineralogy and Petrology</i> , 2007 , 154, 291-308	3.5	50
117	Arc dacite genesis pathways: Evidence from mafic enclaves and their hosts in Aegean lavas. <i>Lithos</i> , 2007 , 95, 346-362	2.9	49
116	Early Cretaceous Basaltic and Rhyolitic Magmatism in Southern Uruguay Associated with the Opening of the South Atlantic. <i>Journal of Petrology</i> , 2000 , 41, 1413-1438	3.9	49
115	Determination of thorium and uranium isotope ratios in low-concentration geological materials using a fixed multi-collector-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2001 , 16, 612-615	3.7	49
114	Thallium isotopes in Iceland and Azores lavas: Implications for the role of altered crust and mantle geochemistry. <i>Earth and Planetary Science Letters</i> , 2007 , 264, 332-345	5.3	47
113	Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Rapid Petrogenesis of Dacites at Fonualei Volcano. <i>Journal of Petrology</i> , 2012 , 53, 1231-1253	3.9	45
112	New insights into the origin of HfO ₂ isotope signatures in arc lavas from Tonga-Kermadec. <i>Chemical Geology</i> , 2009 , 266, 187-193	4.2	45
111	Conditions of melting beneath the Azores. <i>Lithos</i> , 2012 , 144-145, 1-11	2.9	44
110	Dynamics of melting beneath a small-scale basaltic system: a U-Th-Ba study from Rangitoto volcano, Auckland volcanic field, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 162, 547-563	3.5	44
109	Use of Hydrofluoric Acid Desilicification in the Determination of Highly Siderophile Element Abundances and Re-Pt-Os Isotope Systematics in Mafic-Ultramafic Rocks. <i>Geostandards and Geoanalytical Research</i> , 2016 , 40, 49-65	3.6	42

108	Lithium and boron isotope systematics in lavas from the Azores islands reveal crustal assimilation. <i>Chemical Geology</i> , 2014 , 373, 27-36	4.2	42
107	Time Constraints from Chemical Equilibration in Magmatic Crystals 2010 , 125-159		42
106	Source versus differentiation controls on U-series disequilibria: Insights from Cotopaxi Volcano, Ecuador. <i>Earth and Planetary Science Letters</i> , 2006 , 244, 548-565	5.3	42
105	Insights into the dynamics of mantle plumes from uranium-series geochemistry. <i>Nature</i> , 2006 , 444, 713-716	5.4	42
104	The petrogenesis of volcanics from Mt. Bulusan and Mt. Mayon in the Bicol arc, the Philippines. <i>Contributions To Mineralogy and Petrology</i> , 2005 , 150, 652-670	3.5	42
103	Two mantle domains and the time scales of fluid transfer beneath the Vanuatu arc. <i>Geology</i> , 1999 , 27, 963	5	42
102	An andesitic source for Jack Hills zircon supports onset of plate tectonics in the Hadean. <i>Nature Communications</i> , 2020 , 11, 1241	17.4	41
101	Oxygen isotopes in the Azores islands: Crustal assimilation recorded in olivine. <i>Geology</i> , 2013 , 41, 491-494	5.4	41
100	Magmatic Differentiation at an Island-arc Caldera: Okmok Volcano, Aleutian Islands, Alaska. <i>Journal of Petrology</i> , 2008 , 49, 857-884	3.9	41
99	^{210}Pb - ^{226}Ra and ^{228}Ra - ^{232}Th systematics in young arc lavas: implications for magma degassing and ascent rates. <i>Earth and Planetary Science Letters</i> , 2004 , 227, 1-16	5.3	41
98	Granite genesis and the mechanics of convergent orogenic belts with application to the southern Adelaide Fold Belt. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1992 , 83, 83-93	0.9	40
97	Source depletion and extent of melting in the Tongan sub-arc mantle. <i>Earth and Planetary Science Letters</i> , 2008 , 273, 279-288	5.3	39
96	U-Th-Ra disequilibria and the extent of off-axis volcanism across the East Pacific Rise at $9^{\circ}30'N$, $10^{\circ}30'N$, and $11^{\circ}20'N$. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	38
95	Pressure-temperature-time paths of sediment recycling beneath the Tonga-Kermadec arc. <i>Earth and Planetary Science Letters</i> , 2005 , 233, 195-211	5.3	37
94	^{40}Ar - ^{39}Ar dating of detrital muscovite in provenance investigations: a case study from the Adelaide Rift Complex, South Australia. <i>Earth and Planetary Science Letters</i> , 2004 , 227, 297-311	5.3	37
93	Geochemical and geochronological constraints on the Glenelg River Complex, western Victoria. <i>Australian Journal of Earth Sciences</i> , 1993 , 40, 275-292	1.4	36
92	Assimilation of sediments embedded in the oceanic arc crust: myth or reality?. <i>Earth and Planetary Science Letters</i> , 2014 , 395, 51-60	5.3	34
91	The Petrology and Geochemistry of Lavas from the Western Azores Islands of Flores and Corvo. <i>Journal of Petrology</i> , 2012 , 53, 1673-1708	3.9	34

90	Tracing pre-eruptive magma degassing using ($^{210}\text{Pb}/^{226}\text{Ra}$) disequilibria in the volcanic deposits of the 1980-1986 eruption of Mount St. Helens. <i>Earth and Planetary Science Letters</i> , 2006 , 249, 337-349	5.3	34
89	Partial melting processes above subducting plates: Constraints from $^{231}\text{Pa}/^{235}\text{U}$ disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 480-503	5.5	34
88	Dehydration and partial melting in subduction zones: Constraints from U-series disequilibria. <i>Journal of Geophysical Research</i> , 2003 , 108,		34
87	Mechanism and timing of Pb transport from subducted oceanic crust and sediment to the mantle source of arc lavas. <i>Chemical Geology</i> , 2010 , 273, 46-54	4.2	33
86	Mantle dynamics and mantle melting beneath Niuafuʻu Island and the northern Lau back-arc basin. <i>Contributions To Mineralogy and Petrology</i> , 2008 , 156, 103-118	3.5	33
85	Protracted felsic magmatic activity associated with the opening of the South Atlantic. <i>Journal of the Geological Society</i> , 2001 , 158, 583-592	2.7	33
84	The eruptive history and chemical stratigraphy of a post-caldera, steady-state volcano: Yasur, Vanuatu. <i>Bulletin of Volcanology</i> , 2014 , 76, 1	2.4	31
83	Magmatic Evolution and Magma Mixing of Quaternary Adakites at Solander and Little Solander Islands, New Zealand. <i>Journal of Petrology</i> , 2013 , 54, 703-744	3.9	31
82	A Complex Petrogenesis for an Arc Magmatic Suite, St Kitts, Lesser Antilles. <i>Journal of Petrology</i> , 2007 , 48, 3-42	3.9	31
81	Boninite-like intraplate magmas from Manihiki Plateau require ultra-depleted and enriched source components. <i>Nature Communications</i> , 2017 , 8, 14322	17.4	30
80	$^{238}\text{U}/^{30}\text{Th}/^{226}\text{Ra}/^{210}\text{Pb}$ constraints on the genesis of high-Mg andesites at White Island, New Zealand. <i>Chemical Geology</i> , 2007 , 243, 105-121	4.2	30
79	Low-pressure corona textures between olivine and plagioclase in unmetamorphosed gabbros from Black Hill, South Australia. <i>Mineralogical Magazine</i> , 1992 , 56, 503-509	1.7	30
78	Sediment residence times constrained by uranium-series isotopes: A critical appraisal of the comminution approach. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 103, 245-262	5.5	29
77	Influence of subducted components on back-arc melting dynamics in the Manus Basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	29
76	Did the Delamerian Orogeny Start in the Neoproterozoic?. <i>Journal of Geology</i> , 2009 , 117, 575-583	2	29
75	$^{207}\text{Pb}/^{235}\text{U}$ fractionation during crustal-level andesite formation at Ruapehu volcano, New Zealand. <i>Chemical Geology</i> , 2007 , 244, 437-451	4.2	28
74	A $^{210}\text{Pb}/^{226}\text{Ra}/^{30}\text{Th}/^{38}\text{U}$ study of Klyuchevskoy and Bezymianny volcanoes, Kamchatka. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 4771-4785	5.5	28
73	$^{210}\text{Pb}/^{226}\text{Ra}$ disequilibria in volcanic rocks. <i>Earth and Planetary Science Letters</i> , 2010 , 296, 155-164	5.3	27

72	Crustal and mantle influences and U-Th-Ra disequilibrium in andesitic lavas of Ngauruhoe volcano, New Zealand. <i>Chemical Geology</i> , 2010 , 277, 355-373	4.2	27
71	A preliminary assessment of the symmetry of source composition and melting dynamics across the Azores plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	26
70	Reappraisal of fluid and sediment contributions to Lesser Antilles magmas. <i>Chemical Geology</i> , 2009 , 265, 272-278	4.2	26
69	²³⁸ U- and ²³² Th-decay series constraints on the timescales of crystal fractionation to produce the phonolite erupted in 2004 near Tristan da Cunha, South Atlantic Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 4367-4378	5.5	26
68	Rapid timescales of differentiation and evidence for crustal contamination at intra-oceanic arcs: Geochemical and U-Th-Ra-Br-Nd isotopic constraints from Lopevi Volcano, Vanuatu, SW Pacific. <i>Earth and Planetary Science Letters</i> , 2008 , 273, 184-194	5.3	24
67	Boron isotope variations in Tonga-Kermadec-New Zealand arc lavas: Implications for the origin of subduction components and mantle influences. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 1126-1132	3.6	23
66	Re-Os isotope characteristics of postorogenic lavas: Implications for the nature of young lithospheric mantle and its contribution to basaltic magmas. <i>Geology</i> , 2000 , 28, 563	5	23
65	Origin of Silicic Magmas at Spreading Centres—An Example from the South East Rift, Manus Basin. <i>Journal of Petrology</i> , 2015 , 56, 255-272	3.9	22
64	7. Insights into Magma Genesis at Convergent Margins from U-series Isotopes 2003 , 255-316		20
63	Large ²³⁰ Th-excesses in basalts produced by partial melting of spinel lherzolite. <i>Chemical Geology</i> , 2000 , 162, 127-136	4.2	20
62	Rb/Sr dating of differentiated cleavage from the upper Adelaidean metasediments at Hallett Cove, southern Adelaide fold belt. <i>Journal of Structural Geology</i> , 1994 , 16, 1233-1241	3	19
61	The genesis of silicic arc magmas in shallow crustal cold zones. <i>Lithos</i> , 2016 , 264, 472-494	2.9	19
60	Seeing through the Effects of Crustal Assimilation to Assess the Source Composition beneath the Southern Lesser Antilles Arc. <i>Journal of Petrology</i> , 2015 , 56, 815-844	3.9	18
59	Variable Conditions of Magma Storage and Differentiation with Links to Eruption Style at Ambrym Volcano, Vanuatu. <i>Journal of Petrology</i> , 2016 , 57, 1049-1072	3.9	18
58	Insights from Pb and O isotopes into along-arc variations in subduction inputs and crustal assimilation for volcanic rocks in Java, Sunda arc, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 78, 139, 205-226	5.5	18
57	Rift-plume interaction reveals multiple generations of recycled oceanic crust in Azores lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 218, 132-152	5.5	18
56	Special Collection: Water in Nominally Hydrous and Anhydrous Minerals: Crystal/melt partitioning of water and other volatiles during the near-solidus melting of mantle peridotite: Comparisons with non-volatile incompatible elements and implications for the generation of intraplate magmatism. <i>American Mineralogist</i> , 2016 , 101, 876-888	2.9	18
55	The inception of plate tectonics: a record of failure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	18

54	Lower crustal assimilation in oceanic arcs: Insights from an osmium isotopic study of the Lesser Antilles. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 150, 330-344	5.5	17
53	Considerations for U-series dating of sediments: Insights from the Flinders Ranges, South Australia. <i>Chemical Geology</i> , 2013 , 340, 40-48	4.2	16
52	Similarities between mantle-derived A-type granites and voluminous rhyolites in continental flood basalt provinces. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2009 , 100, 51-60	0.9	15
51	Comparing the nature of the western and eastern Azores mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 172, 76-92	5.5	14
50	Heavy $\delta^{7}\text{Fe}$ in ocean island basalts: A non-unique signature of processes and source lithologies in the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 292, 309-332	5.5	14
49	Trace Element and Isotope Geochemistry of the Northern and Central Tongan Islands with an Emphasis on the Genesis of High Nb/Ta Signatures at the Northern Volcanoes of Tafahi and Niuatoputapu. <i>Journal of Petrology</i> , 2017 , 58, 1073-1106	3.9	13
48	New U Pb, Hf and O isotope constraints on the provenance of sediments from the Adelaide Rift Complex Documenting the key Neoproterozoic to early Cambrian succession. <i>Gondwana Research</i> , 2020 , 83, 248-278	5.1	13
47	Cambro-Ordovician magmatism in the Delamerian orogeny: Implications for tectonic development of the southern Gondwanan margin. <i>Gondwana Research</i> , 2020 , 81, 490-521	5.1	13
46	Mantle flow, volatiles, slab-surface temperatures and melting dynamics in the north Tonga arc back-arc basin. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		13
45	Generation and evolution of magma beneath the East Pacific Rise: Constraints from U-series disequilibrium and plagioclase-hosted melt inclusions. <i>Journal of Volcanology and Geothermal Research</i> , 2010 , 193, 1-17	2.8	13
44	Timing and origin of multi-stage magmatism and related W-Mo-Pb-Zn-Bi-U mineralization in the Huangshaping deposit, South China: An integrated zircon study. <i>Chemical Geology</i> , 2020 , 552, 119782	4.2	12
43	Sensitive high resolution ion microprobe stable isotope (SHRIMP-SI) analysis of water in silicate glasses and nominally anhydrous reference minerals. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1706-1722	3.7	11
42	Mid-ocean ridge basalt generation along the slow-spreading, South Mid-Atlantic Ridge (51°S): Inferences from ^{238}U - ^{230}Th - ^{226}Ra disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 169, 152-166	5.5	11
41	Mantle versus fluid and melt enrichment of subarc mantle: A novel test using barium isotopes in the Tonga-Kermadec arc. <i>Geology</i> , 2020 , 48, 1053-1057	5	11
40	In-situ production of natural ^{236}U in groundwaters and ores in high-grade uranium deposits. <i>Chemical Geology</i> , 2015 , 410, 213-222	4.2	11
39	Rapid magmatic processes accompany arc-continent collision: the Western Bismarck arc, Papua New Guinea. <i>Contributions To Mineralogy and Petrology</i> , 2012 , 164, 789-804	3.5	10
38	1. Introduction to U-series Geochemistry 2003 , 1-22		10
37	Isotope metallomics approaches for medical research. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 3293-3309	3.3	9

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