

Simon P Turner

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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.	2.8	897
2	Amphibole "sponge" in arc crust?. <i>Geology</i> , 2007, 35, 787.	4.4	848
3	U-Th Isotopes in Arc Magmas: Implications for Element Transfer from the Subducted Crust. <i>Science</i> , 1997, 276, 551-555.	12.6	806
4	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.	1.4	724
5	Timing of Tibetan uplift constrained by analysis of volcanic rocks. <i>Nature</i> , 1993, 364, 50-54.	27.8	384
6	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.	4.4	382
7	^{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.	3.9	355
8	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.	4.4	345
9	Dy/Dy^* : Variations Arising from Mantle Sources and Petrogenetic Processes. <i>Journal of Petrology</i> , 2013, 54, 525-537.	2.8	281
10	Magmatism Associated with Orogenic Collapse of the Betic-Alboran Domain, SE Spain. <i>Journal of Petrology</i> , 1999, 40, 1011-1036.	2.8	274
11	Some geodynamic and compositional constraints on "postorogenic" magmatism. <i>Geology</i> , 1992, 20, 931.	4.4	230
12	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.	4.4	221
13	U-series isotopes and destructive plate margin magma genesis in the Lesser Antilles. <i>Earth and Planetary Science Letters</i> , 1996, 142, 191-207.	4.4	214
14	Time Scales of Crystal Fractionation in Magma Chambers "Integrating Physical, Isotopic and Geochemical Perspectives. <i>Journal of Petrology</i> , 2000, 41, 991-1006.	2.8	197
15	Elemental U and Th variations in island arc rocks: implications for U-series isotopes. <i>Chemical Geology</i> , 1997, 139, 207-221.	3.3	190
16	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.	3.3	181
17	Constraints on flux rates and mantle dynamics beneath island arcs from Tonga "Kermadec lava geochemistry. <i>Nature</i> , 1997, 389, 568-573.	27.8	167
18	Heading down early on? Start of subduction on Earth. <i>Geology</i> , 2014, 42, 139-142.	4.4	167

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19	Ultrafast Source-to-Surface Movement of Melt at Island Arcs from ^{226}Ra - ^{230}Th Systematics. <i>Science</i> , 2001, 292, 1363-1366.	12.6	166
20	Origin of primitive high-Mg andesite: Constraints from natural examples and experiments. <i>Earth and Planetary Science Letters</i> , 2009, 283, 59-66.	4.4	161
21	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.	3.1	160
22	Using geochemistry to map mantle flow beneath the Lau Basin. <i>Geology</i> , 1998, 26, 1019.	4.4	154
23	Petrogenesis and Stratigraphy of the High-Ti/Y Urubici Magma Type in the Parana 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.	2.8	150
24	Plagioclase residence times at two island arc volcanoes (Kameni Islands, Santorini, and Soufriere, St.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> 345-357.	3.1	149
25	Mantle plumes, flood basalts, and thermal models for melt generation beneath continents: Assessment of a conductive heating model and application to the Parana. <i>Journal of Geophysical Research</i> , 1996, 101, 11503-11518.	3.3	144
26	Erosion timescales derived from U-decay series measurements in rivers. <i>Earth and Planetary Science Letters</i> , 2001, 193, 549-563.	4.4	144
27	Mantle processes during Gondwana break-up and dispersal. <i>Journal of African Earth Sciences</i> , 1999, 28, 239-261.	2.0	138
28	U-Th isotope disequilibria and ocean island basalt generation in the Azores. <i>Chemical Geology</i> , 1997, 139, 145-164.	3.3	136
29	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.	1.9	130
30	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.	4.4	123
31	^{226}Ra - ^{230}Th 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.	4.4	122
32	Timescales of destructive plate margin magmatism: new insights from Santorini, Aegean volcanic arc. <i>Earth and Planetary Science Letters</i> , 2000, 174, 265-281.	4.4	118
33	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.	3.9	116
34	Time scales of magmatic processes. <i>Earth and Planetary Science Letters</i> , 2004, 218, 1-16.	4.4	115
35	The evolution of weathering profiles through time: New insights from uranium-series isotopes. <i>Earth and Planetary Science Letters</i> , 2008, 274, 359-371.	4.4	112
36	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.	4.4	111

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37	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, .	3.3	108
38	High spatial resolution investigations using an ultra-violet laser probe extraction technique. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3519-3525.	3.9	106
39	Geochemical Precursors to Volcanic Activity at Mount St. Helens, USA. <i>Science</i> , 2004, 306, 1167-1169.	12.6	99
40	Evidence for recycled Archaean oceanic mantle lithosphere in the Azores plume. <i>Nature</i> , 2002, 420, 304-307.	27.8	98
41	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.	4.4	97
42	Granite production in the Delamerian Orogen, South Australia. <i>Journal of the Geological Society</i> , 2002, 159, 557-575.	2.1	95
43	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.	3.1	94
44	Uranium-series Geochemistry. , 2003, , .		94
45	Measuring Timescales of Magmatic Evolution. <i>Elements</i> , 2007, 3, 267-272.	0.5	93
46	Climatic and vegetation control on sediment dynamics during the last glacial cycle. <i>Geology</i> , 2010, 38, 395-398.	4.4	91
47	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.	4.4	89
48	An andesitic source for Jack Hills zircon supports onset of plate tectonics in the Hadean. <i>Nature Communications</i> , 2020, 11, 1241.	12.8	83
49	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.	4.4	82
50	The silicon isotope composition of granites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 184-202.	3.9	82
51	Hf- ^{177}Lu 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.	4.4	81
52	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.	2.1	78
53	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.	4.4	78
54	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.	4.4	72

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55	Mobility of U-series nuclides during basalt weathering: An example from the Deccan Traps (India). <i>Chemical Geology</i> , 2005, 219, 69-91.	3.3	71
56	Measurement of Femtogram Quantities of Protactinium in Silicate Rock Samples by Multicollector Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 3584-3589.	6.5	69
57	Fractionation of ²³⁸ U/ ²³⁵ U by reduction during low temperature uranium mineralisation processes. <i>Earth and Planetary Science Letters</i> , 2014, 388, 306-317.	4.4	68
58	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.	3.0	66
59	Geochemical evolution of lithospheric mantle beneath S.E. South Australia. <i>Chemical Geology</i> , 2002, 182, 663-695.	3.3	62
60	Recent contribution of sediments and fluids to the mantle's volatile budget. <i>Nature Geoscience</i> , 2012, 5, 50-54.	12.9	62
61	Boron and oxygen isotope evidence for recycling of subducted components over the past 2.5 Gyr. <i>Nature</i> , 2007, 447, 702-705.	27.8	60
62	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.	3.1	60
63	Melting Dynamics Beneath the Tonga-Kermadec Island Arc Inferred from ²³¹ Pa- ²³⁵ U Systematics. <i>Science</i> , 1999, 286, 2491-2493.	12.6	59
64	Conditions of melting beneath the Azores. <i>Lithos</i> , 2012, 144-145, 1-11.	1.4	59
65	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.	4.4	58
66	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.	2.8	56
67	Arc dacite genesis pathways: Evidence from mafic enclaves and their hosts in Aegean lavas. <i>Lithos</i> , 2007, 95, 346-362.	1.4	56
68	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.	2.8	55
69	Use of Hydrofluoric Acid Desilicification in the Determination of Highly Siderophile Element Abundances and Re-Os Isotope Systematics in Mafic-Ultramafic Rocks. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 49-65.	3.1	54
70	Insights into the dynamics of mantle plumes from uranium-series geochemistry. <i>Nature</i> , 2006, 444, 713-717.	27.8	53
71	Oxygen isotopes in the Azores islands: Crustal assimilation recorded in olivine. <i>Geology</i> , 2013, 41, 491-494.	4.4	53
72	Lithium and boron isotope systematics in lavas from the Azores islands reveal crustal assimilation. <i>Chemical Geology</i> , 2014, 373, 27-36.	3.3	52

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73	New insights into the origin of Oâ€“Hfâ€“Os isotope signatures in arc lavas from Tongaâ€“Kermadec. <i>Chemical Geology</i> , 2009, 266, 187-193.	3.3	51
74	Dynamics of melting beneath a small-scale basaltic system: a U-Thâ€“Ra study from Rangitoto volcano, Auckland volcanic field, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 547-563.	3.1	51
75	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.	2.8	51
76	Magmatic Differentiation at an Island-arc Caldera: Okmok Volcano, Aleutian Islands, Alaska. <i>Journal of Petrology</i> , 2008, 49, 857-884.	2.8	50
77	Two mantle domains and the time scales of fluid transfer beneath the Vanuatu arc. <i>Geology</i> , 1999, 27, 963.	4.4	49
78	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.	3.1	49
79	Dehydration and partial melting in subduction zones: Constraints from U-series disequilibria. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	48
80	²¹⁰ Pbâ€“ ²²⁶ Ra and ²²⁸ Raâ€“ 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.	4.4	48
81	Source versus differentiation controls on U-series disequilibria: Insights from Cotopaxi Volcano, Ecuador. <i>Earth and Planetary Science Letters</i> , 2006, 244, 548-565.	4.4	48
82	⁴⁰ Arâ€“ 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.	4.4	46
83	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.	3.9	46
84	U-Th-Ra disequilibria and the extent of off-axis volcanism across the East Pacific Rise at 9Â°30â€²N, 10Â°30â€²N, and 11Â°20â€²N. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	45
85	Assimilation of sediments embedded in the oceanic arc crust: myth or reality?. <i>Earth and Planetary Science Letters</i> , 2014, 395, 51-60.	4.4	45
86	Source depletion and extent of melting in the Tongan sub-arc mantle. <i>Earth and Planetary Science Letters</i> , 2008, 273, 279-288.	4.4	43
87	Boron isotope variations in <sc>T</sc>ongaâ€“<sc>K</sc>ermadecâ€“<sc>N</sc>ew <sc>Z</sc>ealand arc lavas: Implications for the origin of subduction components and mantle influences. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1126-1162.	2.5	43
88	Protracted felsic magmatic activity associated with the opening of the South Atlantic. <i>Journal of the Geological Society</i> , 2001, 158, 583-592.	2.1	42
89	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.	0.3	40
90	A Complex Petrogenesis for an Arc Magmatic Suite, St Kitts, Lesser Antilles. <i>Journal of Petrology</i> , 2007, 48, 3-42.	2.8	40

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91	Pressure-temperature-time paths of sediment recycling beneath the Tonga-Kermadec arc. <i>Earth and Planetary Science Letters</i> , 2005, 233, 195-211.	4.4	39
92	Partial melting processes above subducting plates: Constraints from ^{231}Pa - ^{235}U disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 480-503.	3.9	39
93	Mantle dynamics and mantle melting beneath Niuafoou Island and the northern Lau back-arc basin. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 103-118.	3.1	39
94	Low-pressure corona textures between olivine and plagioclase in unmetamorphosed gabbros from Black Hill, South Australia. <i>Mineralogical Magazine</i> , 1992, 56, 503-509.	1.4	38
95	Geochemical and geochronological constraints on the Glenelg River Complex, western Victoria. <i>Australian Journal of Earth Sciences</i> , 1993, 40, 275-292.	1.0	38
96	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.	4.4	38
97	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.	2.8	38
98	Reappraisal of fluid and sediment contributions to Lesser Antilles magmas. <i>Chemical Geology</i> , 2009, 265, 272-278.	3.3	37
99	The eruptive history and chemical stratigraphy of a post-caldera, steady-state volcano: Yasur, Vanuatu. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	37
100	Boninite-like intraplate magmas from Manihiki Plateau require ultra-depleted and enriched source components. <i>Nature Communications</i> , 2017, 8, 14322.	12.8	37
101	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.	3.3	36
102	Heavy ^{57}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.	3.9	36
103	The Petrology and Geochemistry of Lavas from the Western Azores Islands of Flores and Corvo. <i>Journal of Petrology</i> , 2012, 53, 1673-1708.	2.8	35
104	^{238}U - ^{230}Th - ^{226}Ra - ^{210}Pb constraints on the genesis of high-Mg andesites at White Island, New Zealand. <i>Chemical Geology</i> , 2007, 243, 105-121.	3.3	33
105	Influence of subducted components on back-arc melting dynamics in the Manus Basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	33
106	Did the Delamerian Orogeny Start in the Neoproterozoic?. <i>Journal of Geology</i> , 2009, 117, 575-583.	1.4	32
107	^{143}Nd - ^{147}Sm fractionation during crustal-level andesite formation at Ruapehu volcano, New Zealand. <i>Chemical Geology</i> , 2007, 244, 437-451.	3.3	29
108	A ^{210}Pb - ^{226}Ra - ^{230}Th - ^{238}U study of Klyuchevskoy and Bezymianny volcanoes, Kamchatka. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4771-4785.	3.9	29

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109	A preliminary assessment of the symmetry of source composition and melting dynamics across the Azores plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	29
110	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.	3.3	29
111	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, 139, 205-226.	3.9	29
112	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.	2.8	29
113	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.	2.8	29
114	Timing and origin of multi-stage magmatism and related W–Mo–Pb–Zn–Fe–Cu mineralization in the Huangshaping deposit, South China: An integrated zircon study. <i>Chemical Geology</i> , 2020, 552, 119782.	3.3	29
115	Rapid timescales of differentiation and evidence for crustal contamination at intra-oceanic arcs: Geochemical and U–Th–Ra–Sr–Nd isotopic constraints from Lopevi Volcano, Vanuatu, SW Pacific. <i>Earth and Planetary Science Letters</i> , 2008, 273, 184-194.	4.4	28
116	²¹⁰ Pb– ²²⁶ Ra disequilibria in volcanic rocks. <i>Earth and Planetary Science Letters</i> , 2010, 296, 155-164.	4.4	28
117	The inception of plate tectonics: a record of failure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170414.	3.4	28
118	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.	3.9	27
119	Mg–Ca 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.	4.4	27
120	Cambro-Ordovician magmatism in the Delamerian orogeny: Implications for tectonic development of the southern Gondwanan margin. <i>Gondwana Research</i> , 2020, 81, 490-521.	6.0	27
121	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.	4.4	26
122	7. Insights into Magma Genesis at Convergent Margins from U-series Isotopes. , 2003, , 255-316.		26
123	Rift–plume interaction reveals multiple generations of recycled oceanic crust in Azores lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 132-152.	3.9	26
124	Adakite-Like Potassic Magmatism and Crust–Mantle Interaction in a Postcollisional Setting: An Experimental Study of Melting Beneath the Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12782-12798.	3.4	26
125	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.	2.8	25
126	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.	2.8	24

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127	Considerations for U-series dating of sediments: Insights from the Flinders Ranges, South Australia. <i>Chemical Geology</i> , 2013, 340, 40-48.	3.3	23
128	Large ²³⁰ Th-excesses in basalts produced by partial melting of spinel lherzolite. <i>Chemical Geology</i> , 2000, 162, 127-136.	3.3	22
129	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.	1.9	22
130	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.	3.9	21
131	Comparing the nature of the western and eastern Azores mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 76-92.	3.9	21
132	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.	2.3	20
133	The genesis of silicic arc magmas in shallow crustal cold zones. <i>Lithos</i> , 2016, 264, 472-494.	1.4	20
134	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.	6.0	20
135	Mantle flow, volatiles, slab–surface temperatures and melting dynamics in the north Tonga arc–Lau back–arc basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
136	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.	3.0	17
137	Isotope metallomics approaches for medical research. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3293-3309.	5.4	17
138	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.	0.3	16
139	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.	2.1	14
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