

# Simon P Turner

## List of Publications by Year in descending order

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175  
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22153

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181  
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181  
docs citations

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times ranked

7323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics and timescales of mafic-silicic magma interactions at Soufrière Hills Volcano, Montserrat. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, 1.	3.1	3
2	Heavy $^{57}\text{Fe}$ 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.	3.9	36
3	Os isotopic composition of western Aleutian adakites: Implications for the Re/Os of oceanic crust processed through hot subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 452-467.	3.9	5
4	U-series histories of magmatic volatile phase and enclave development at Soufrière Hills Volcano, Montserrat. <i>Chemical Geology</i> , 2021, 559, 119957.	3.3	2
5	Extremely young melt infiltration of the sub-continental lithospheric mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 313, 106325.	1.9	0
6	Carbonaceous chondrite meteorites experienced fluid flow within the past million years. <i>Science</i> , 2021, 371, 164-167.	12.6	10
7	Application of $^{10}\text{Be}$ Amplifiers in Low-Signal Plasma-Source Isotope Ratio Measurements by MC-ICP-MS: A Case Study with Pt Isotopes. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 223-229.	3.1	5
8	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
9	Longitudinal biometal accumulation and Ca isotope composition of the Göttingen minipig brain. <i>Metallomics</i> , 2020, 12, 1585-1598.	2.4	4
10	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
11	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
12	Isotope metallomics approaches for medical research. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3293-3309.	5.4	17
13	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.	4.4	27
14	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
15	Volatile behaviour in the 1995-2010 eruption of the Soufrière Hills Volcano, Montserrat recorded by U-series disequilibria in mafic enclaves and andesite host. <i>Earth and Planetary Science Letters</i> , 2019, 524, 115730.	4.4	6
16	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
17	Lithium isotope variations in Tonga-Kermadec arc-Lau back-arc lavas and Deep Sea Drilling Project (DSDP) Site 204 sediments. <i>Island Arc</i> , 2019, 28, e12276.	1.1	5
18	Sub-arc xenolith Fe-Li-Pb isotopes and textures tell tales of their journey through the mantle wedge and crust. <i>Geology</i> , 2018, 46, 947-950.	4.4	13

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19	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
20	Boron isotope variations in $T\text{-K-New Zealand}$ arc lavas: Implications for the origin of subduction components and mantle influences. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1126-1162.	2.5	43
21	Boninite-like intraplate magmas from Manihiki Plateau require ultra-depleted and enriched source components. <i>Nature Communications</i> , 2017, 8, 14322.	12.8	37
22	A reappraisal of the evolution of the palaeo-Pacific margin of Gondwana from the Pb and Os isotope systematics of igneous rocks from the southern Adelaide fold belt, South Australia. <i>Gondwana Research</i> , 2017, 45, 152-162.	6.0	6
23	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
24	Origin and Evolution of Silicic Magmas in Oceanic Arcs; an in situ Study from St Lucia, Lesser Antilles. <i>Journal of Petrology</i> , 2017, 58, 1279-1318.	2.8	10
25	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
26	$^{210}\text{Pb}$ - $^{226}\text{Ra}$ disequilibria in young gas-laden magmas. <i>Scientific Reports</i> , 2017, 7, 45186.	3.3	9
27	Can magmatic water contents be estimated from clinopyroxene phenocrysts in some lavas? A case study with implications for the origin of the Azores Islands. <i>Chemical Geology</i> , 2017, 466, 436-445.	3.3	12
28	Water contents of clinopyroxenes from sub-arc mantle peridotites. <i>Island Arc</i> , 2017, 26, e12210.	1.1	4
29	$^{231}\text{Pa}$ systematics in postglacial volcanic rocks from Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 185, 129-140.	3.9	5
30	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
31	The genesis of silicic arc magmas in shallow crustal cold zones. <i>Lithos</i> , 2016, 264, 472-494.	1.4	20
32	Mantle heterogeneities beneath the Northeast Indian Ocean as sampled by intra-plate volcanism at Christmas Island. <i>Lithos</i> , 2016, 262, 561-575.	1.4	10
33	Use of Hydrofluoric Acid Desilicification in the Determination of Highly Siderophile Element Abundances and $\text{Re-Os}$ Isotope Systematics in Mafic-Ultramafic Rocks. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 49-65.	3.1	54
34	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
35	Localised magmatic constraints on continental back-arc volcanism in southern Mendoza, Argentina: the Santa Maria Volcano. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	2
36	Comparing the nature of the western and eastern Azores mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 76-92.	3.9	21

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37	<sup>238</sup> U- <sup>230</sup> Th- <sup>226</sup> Ra Disequilibria Constraints on the Magmatic Evolution of the Cumbre Vieja Volcanics on La Palma, Canary Islands. <i>Journal of Petrology</i> , 2015, 56, 1999-2024.	2.8	9
38	In-situ production of natural <sup>236</sup> U in groundwaters and ores in high-grade uranium deposits. <i>Chemical Geology</i> , 2015, 410, 213-222.	3.3	14
39	Dynamics and pre-eruptive conditions of catastrophic, ignimbrite-producing eruptions from the Yenkahe Caldera, Vanuatu. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 308, 39-60.	2.1	12
40	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
41	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
42	Sensitive high resolution ion microprobe <sup>41</sup> 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
43	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
44	Mid-ocean ridge basalt generation along the slow-spreading, South Mid-Atlantic Ridge (5°–11°S): Inferences from <sup>238</sup> U- <sup>230</sup> Th- <sup>226</sup> Ra disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 152-166.	3.9	12
45	Fractionation of <sup>238</sup> U/ <sup>235</sup> U by reduction during low temperature uranium mineralisation processes. <i>Earth and Planetary Science Letters</i> , 2014, 388, 306-317.	4.4	68
46	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
47	Heading down early on? Start of subduction on Earth. <i>Geology</i> , 2014, 42, 139-142.	4.4	167
48	Reappraisal of uranium-series isotope data in Kamchatka lavas: implications for continental arc magma genesis. <i>Geological Society Special Publication</i> , 2014, 385, 103-116.	1.3	6
49	<sup>10</sup> Be, <sup>18</sup> O and radiogenic isotopic constraints on the origin of adakitic signatures: a case study from Solander and Little Solander Islands, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	4
50	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
51	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
52	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
53	The Frontiers of Uranium-series Research. <i>Eos</i> , 2014, 95, 178-178.	0.1	0
54	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

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55	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
56	Dy/Dy*: Variations Arising from Mantle Sources and Petrogenetic Processes. <i>Journal of Petrology</i> , 2013, 54, 525-537.	2.8	281
57	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
58	Oxygen isotopes in the Azores islands: Crustal assimilation recorded in olivine. <i>Geology</i> , 2013, 41, 491-494.	4.4	53
59	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
60	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.	3.1	10
61	The silicon isotope composition of granites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 184-202.	3.9	82
62	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
63	Recent contribution of sediments and fluids to the mantle's volatile budget. <i>Nature Geoscience</i> , 2012, 5, 50-54.	12.9	62
64	Origins of $^{210}\text{Pb}$ - $^{226}\text{Ra}$ disequilibria in basalts: New insights from the 1978 Asal Rift eruption. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	5
65	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
66	Conditions of melting beneath the Azores. <i>Lithos</i> , 2012, 144-145, 1-11.	1.4	59
67	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.	2.5	45
68	Insights into the Galapagos plume from uranium-series isotopes of recently erupted basalts. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	9
69	Hf-Nd 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
70	Dynamics of melting beneath a small-scale basaltic system: a U-Th-Ra study from Rangitoto volcano, Auckland volcanic field, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 547-563.	3.1	51
71	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
72	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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73	Climatic and vegetation control on sediment dynamics during the last glacial cycle. <i>Geology</i> , 2010, 38, 395-398.	4.4	91
74	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
75	Origins of large-volume, compositionally zoned volcanic eruptions: New constraints from U-series isotopes and numerical thermal modeling for the 1912 Katmai-Novarupta eruption. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
76	Influence of subducted components on back-arc melting dynamics in the Manus Basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	33
77	$^{210}\text{Pb}$ – $^{226}\text{Ra}$ disequilibria in volcanic rocks. <i>Earth and Planetary Science Letters</i> , 2010, 296, 155-164.	4.4	28
78	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
79	Crustal and mantle influences and $^{238}\text{Th}$ – $^{230}\text{Th}$ disequilibrium in andesitic lavas of Ngauruhoe volcano, New Zealand. <i>Chemical Geology</i> , 2010, 277, 355-373.	3.3	29
80	Similarities between mantle-derived A-type granites and voluminous rhyolites in continental flood basalt provinces. , 2010, , .		1
81	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
82	Reappraisal of fluid and sediment contributions to Lesser Antilles magmas. <i>Chemical Geology</i> , 2009, 265, 272-278.	3.3	37
83	New insights into the origin of $^{187}\text{Os}$ – $^{187}\text{Re}$ isotope signatures in arc lavas from Tonga–Kermadec. <i>Chemical Geology</i> , 2009, 266, 187-193.	3.3	51
84	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
85	Did the Delamerian Orogeny Start in the Neoproterozoic?. <i>Journal of Geology</i> , 2009, 117, 575-583.	1.4	32
86	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
87	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
88	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
89	Rapid timescales of differentiation and evidence for crustal contamination at intra-oceanic arcs: Geochemical and $^{238}\text{Th}$ – $^{230}\text{Th}$ – $^{87}\text{Sr}$ – $^{86}\text{Sr}$ – $^{147}\text{Sm}$ – $^{143}\text{Nd}$ isotopic constraints from Lopevi Volcano, Vanuatu, SW Pacific. <i>Earth and Planetary Science Letters</i> , 2008, 273, 184-194.	4.4	28
90	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

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91	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
92	<sup>238</sup> U- and <sup>232</sup> 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
93	Magmatic Differentiation at an Island-arc Caldera: Okmok Volcano, Aleutian Islands, Alaska. <i>Journal of Petrology</i> , 2008, 49, 857-884.	2.8	50
94	Measurement of Femtogram Quantities of Protactinium in Silicate Rock Samples by Multicollector Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 344-344.	6.5	10
95	Plumes and Their Role in Whole Mantle Convection and Recycling. <i>GSA Today</i> , 2008, 18, 46.	2.0	0
96	A Complex Petrogenesis for an Arc Magmatic Suite, St Kitts, Lesser Antilles. <i>Journal of Petrology</i> , 2007, 48, 3-42.	2.8	40
97	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
98	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
99	<sup>238</sup> U– <sup>230</sup> Th– <sup>226</sup> Ra– <sup>210</sup> 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
100	U–Th–Ra fractionation during crustal-level andesite formation at Ruapehu volcano, New Zealand. <i>Chemical Geology</i> , 2007, 244, 437-451.	3.3	29
101	A <sup>210</sup> Pb– <sup>226</sup> Ra– <sup>230</sup> Th– <sup>238</sup> U study of Klyuchevskoy and Bezymianny volcanoes, Kamchatka. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4771-4785.	3.9	29
102	Measuring Timescales of Magmatic Evolution. <i>Elements</i> , 2007, 3, 267-272.	0.5	93
103	Amphibole – sponge – in arc crust?. <i>Geology</i> , 2007, 35, 787.	4.4	848
104	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
105	Arc dacite genesis pathways: Evidence from mafic enclaves and their hosts in Aegean lavas. <i>Lithos</i> , 2007, 95, 346-362.	1.4	56
106	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
107	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
108	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

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109	Tracing pre-eruptive magma degassing using (210Pb/226Ra) 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
110	Partial melting processes above subducting plates: Constraints from 231Pa-235U disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 480-503.	3.9	39
111	Insights into the dynamics of mantle plumes from uranium-series geochemistry. <i>Nature</i> , 2006, 444, 713-717.	27.8	53
112	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
113	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
114	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
115	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
116	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
117	Geochemical Precursors to Volcanic Activity at Mount St. Helens, USA. <i>Science</i> , 2004, 306, 1167-1169.	12.6	99
118	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
119	210Pb-226Ra and 228Ra-232Th 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
120	40Ar-39Ar 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
121	Time scales of magmatic processes. <i>Earth and Planetary Science Letters</i> , 2004, 218, 1-16.	4.4	115
122	Dehydration and partial melting in subduction zones: Constraints from U-series disequilibria. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	48
123	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
124	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
125	Estimating the time scales of magmatic processes. <i>Developments in Volcanology</i> , 2003, , 23-43.	0.5	4
126	7. Insights into Magma Genesis at Convergent Margins from U-series Isotopes. , 2003, , 255-316.		26



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127	1. Introduction to U-series Geochemistry. , 2003, , 1-22.		12
128	Uranium-series Geochemistry. , 2003, , .		94
129	Granite production in the Delamerian Orogen, South Australia. <i>Journal of the Geological Society</i> , 2002, 159, 557-575.	2.1	95
130	Geochemical evolution of lithospheric mantle beneath S.E. South Australia. <i>Chemical Geology</i> , 2002, 182, 663-695.	3.3	62
131	Evidence for recycled Archaean oceanic mantle lithosphere in the Azores plume. <i>Nature</i> , 2002, 420, 304-307.	27.8	98
132	Erosion timescales derived from U-decay series measurements in rivers. <i>Earth and Planetary Science Letters</i> , 2001, 193, 549-563.	4.4	144
133	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
134	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
135	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
136	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
137	Ultrafast Source-to-Surface Movement of Melt at Island Arcs from <sup>226</sup> Ra- <sup>230</sup> Th Systematics. <i>Science</i> , 2001, 292, 1363-1366.	12.6	166
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