

# Simon P Turner

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

179  
papers

12,119  
citations

56  
h-index

106  
g-index

181  
ext. papers

13,291  
ext. citations

6.6  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
179	Dynamics and timescales of mafic-felsic magma interactions at Soufrière Hills Volcano, Montserrat. <i>Contributions To Mineralogy and Petrology</i> , <b>2022</b> , 177, 1	3.5	0
178	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> , <b>2021</b> , 292, 309-332	5.5	14
177	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> , <b>2021</b> , 292, 452-467	5.5	4
176	U-series histories of magmatic volatile phase and enclave development at Soufrière Hills Volcano, Montserrat. <i>Chemical Geology</i> , <b>2021</b> , 559, 119957	4.2	2
175	Extremely young melt infiltration of the sub-continental lithospheric mantle. <i>Physics of the Earth and Planetary Interiors</i> , <b>2021</b> , 313, 106325	2.3	
174	Carbonaceous chondrite meteorites experienced fluid flow within the past million years. <i>Science</i> , <b>2021</b> , 371, 164-167	33.3	4
173	An andesitic source for Jack Hills zircon supports onset of plate tectonics in the Hadean. <i>Nature Communications</i> , <b>2020</b> , 11, 1241	17.4	41
172	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> , <b>2020</b> , 83, 248-278	5.1	13
171	Isotope metallomics approaches for medical research. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 3293-3309	3.3	0
170	Melt versus fluid and melt enrichment of subarc mantle: A novel test using barium isotopes in the Tonga-Kermadec arc. <i>Geology</i> , <b>2020</b> , 48, 1053-1057	5	11
169	Cambro-Ordovician magmatism in the Delamerian orogeny: Implications for tectonic development of the southern Gondwanan margin. <i>Gondwana Research</i> , <b>2020</b> , 81, 490-521	5.1	13
168	Application of $^{1013}\text{In}$ 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> , <b>2020</b> , 44, 223-229	3.6	3
167	Timing and origin of multi-stage magmatism and related W-Mo-Pb-Zn-Be-U mineralization in the Huangshaping deposit, South China: An integrated zircon study. <i>Chemical Geology</i> , <b>2020</b> , 552, 119782	4.2	12
166	Longitudinal biometal accumulation and Ca isotope composition of the Göttingen minipig brain. <i>Metallomics</i> , <b>2020</b> , 12, 1585-1598	4.5	2
165	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> , <b>2019</b> , 524, 115730	5.3	5
164	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> , <b>2019</b> , 124, 12782-12798	3.6	8
163	Lithium isotope variations in Tonga-Kermadec arc back-arc lavas and Deep Sea Drilling Project (DSDP) Site 204 sediments. <i>Island Arc</i> , <b>2019</b> , 28, e12276	2	2

162	Sub-arc xenolith Fe-Li-Pb isotopes and textures tell tales of their journey through the mantle wedge and crust. <i>Geology</i> , <b>2018</b> , 46, 947-950	5	9
161	The inception of plate tectonics: a record of failure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	18
160	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> , <b>2017</b> , 18, 1126-1162	3.6	23
159	Boninite-like intraplate magmas from Manihiki Plateau require ultra-depleted and enriched source components. <i>Nature Communications</i> , <b>2017</b> , 8, 14322	17.4	30
158	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> , <b>2017</b> , 45, 152-162	5.1	5
157	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> , <b>2017</b> , 58, 1073-1106	3.9	13
156	Origin and Evolution of Silicic Magmas in Oceanic Arcs; an in situ Study from St Lucia, Lesser Antilles. <i>Journal of Petrology</i> , <b>2017</b> , 58, 1279-1318	3.9	4
155	Rift-plume interaction reveals multiple generations of recycled oceanic crust in Azores lavas. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 218, 132-152	5.5	18
154	Pb-Ra disequilibria in young gas-laden magmas. <i>Scientific Reports</i> , <b>2017</b> , 7, 45186	4.9	8
153	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> , <b>2017</b> , 466, 436-445	4.2	7
152	Water contents of clinopyroxenes from sub-arc mantle peridotites. <i>Island Arc</i> , <b>2017</b> , 26, e12210	2	2
151	Comparing the nature of the western and eastern Azores mantle. <i>Geochimica Et Cosmochimica Acta</i> , <b>2016</b> , 172, 76-92	5.5	14
150	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> , <b>2016</b> , 40, 49-65	3.6	42
149	Variable Conditions of Magma Storage and Differentiation with Links to Eruption Style at Ambrym Volcano, Vanuatu. <i>Journal of Petrology</i> , <b>2016</b> , 57, 1049-1072	3.9	18
148	Localised magmatic constraints on continental back-arc volcanism in southern Mendoza, Argentina: the Santa Maria Volcano. <i>Bulletin of Volcanology</i> , <b>2016</b> , 78, 1	2.4	1
147	<sup>231</sup> Pa systematics in postglacial volcanic rocks from Iceland. <i>Geochimica Et Cosmochimica Acta</i> , <b>2016</b> , 185, 129-140	5.5	3
146	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> , <b>2016</b> , 101, 876-888	2.9	18
145	The genesis of silicic arc magmas in shallow crustal cold zones. <i>Lithos</i> , <b>2016</b> , 264, 472-494	2.9	19

144	Mantle heterogeneities beneath the Northeast Indian Ocean as sampled by intra-plate volcanism at Christmas Island. <i>Lithos</i> , <b>2016</b> , 262, 561-575	2.9	6
143	Sensitive high resolution ion microprobe $\delta$ stable isotope (SHRIMP-SI) analysis of water in silicate glasses and nominally anhydrous reference minerals. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 1706-1722	3.7	11
142	Seeing through the Effects of Crustal Assimilation to Assess the Source Composition beneath the Southern Lesser Antilles Arc. <i>Journal of Petrology</i> , <b>2015</b> , 56, 815-844	3.9	18
141	Mid-ocean ridge basalt generation along the slow-spreading, South Mid-Atlantic Ridge (5°1'S): Inferences from $^{238}\text{U}/^{230}\text{Th}/^{226}\text{Ra}$ disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 169, 152-166	5.5	11
140	$^{238}\text{U}/^{230}\text{Th}/^{226}\text{Ra}$ Disequilibria Constraints on the Magmatic Evolution of the Cumbre Vieja Volcanics on La Palma, Canary Islands. <i>Journal of Petrology</i> , <b>2015</b> , 56, 1999-2024	3.9	4
139	In-situ production of natural $^{236}\text{U}$ in groundwaters and ores in high-grade uranium deposits. <i>Chemical Geology</i> , <b>2015</b> , 410, 213-222	4.2	11
138	Dynamics and pre-eruptive conditions of catastrophic, ignimbrite-producing eruptions from the Yenkahe Caldera, Vanuatu. <i>Journal of Volcanology and Geothermal Research</i> , <b>2015</b> , 308, 39-60	2.8	7
137	Origin of Silicic Magmas at Spreading Centres—An Example from the South East Rift, Manus Basin. <i>Journal of Petrology</i> , <b>2015</b> , 56, 255-272	3.9	22
136	Lower crustal assimilation in oceanic arcs: Insights from an osmium isotopic study of the Lesser Antilles. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 150, 330-344	5.5	17
135	Lithium and boron isotope systematics in lavas from the Azores islands reveal crustal assimilation. <i>Chemical Geology</i> , <b>2014</b> , 373, 27-36	4.2	42
134	Heading down early on? Start of subduction on Earth. <i>Geology</i> , <b>2014</b> , 42, 139-142	5	145
133	Reappraisal of uranium-series isotope data in Kamchatka lavas: implications for continental arc magma genesis. <i>Geological Society Special Publication</i> , <b>2014</b> , 385, 103-116	1.7	4
132	$^{10}\text{Be}$ , $^{18}\text{O}$ 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> , <b>2014</b> , 168, 1	3.5	2
131	The eruptive history and chemical stratigraphy of a post-caldera, steady-state volcano: Yasur, Vanuatu. <i>Bulletin of Volcanology</i> , <b>2014</b> , 76, 1	2.4	31
130	Assimilation of sediments embedded in the oceanic arc crust: myth or reality?. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 395, 51-60	5.3	34
129	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> , <b>2014</b> , 139, 205-226	5.5	18
128	The Frontiers of Uranium-series Research. <i>Eos</i> , <b>2014</b> , 95, 178-178	1.5	
127	Fractionation of $^{238}\text{U}/^{235}\text{U}$ by reduction during low temperature uranium mineralisation processes. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 388, 306-317	5.3	55

126	Considerations for U-series dating of sediments: Insights from the Flinders Ranges, South Australia. <i>Chemical Geology</i> , <b>2013</b> , 340, 40-48	4.2	16
125	Sediment residence times constrained by uranium-series isotopes: A critical appraisal of the comminution approach. <i>Geochimica Et Cosmochimica Acta</i> , <b>2013</b> , 103, 245-262	5.5	29
124	Dy/Dy*: Variations Arising from Mantle Sources and Petrogenetic Processes. <i>Journal of Petrology</i> , <b>2013</b> , 54, 525-537	3.9	203
123	Magmatic Evolution and Magma Mixing of Quaternary Adakites at Solander and Little Solander Islands, New Zealand. <i>Journal of Petrology</i> , <b>2013</b> , 54, 703-744	3.9	31
122	Oxygen isotopes in the Azores islands: Crustal assimilation recorded in olivine. <i>Geology</i> , <b>2013</b> , 41, 491-494	3.9	41
121	Conditions of melting beneath the Azores. <i>Lithos</i> , <b>2012</b> , 144-145, 1-11	2.9	44
120	Rapid magmatic processes accompany arc-continent collision: the Western Bismarck arc, Papua New Guinea. <i>Contributions To Mineralogy and Petrology</i> , <b>2012</b> , 164, 789-804	3.5	10
119	The silicon isotope composition of granites. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 92, 184-202	5.5	58
118	Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Rapid Petrogenesis of Dacites at Fonualei Volcano. <i>Journal of Petrology</i> , <b>2012</b> , 53, 1231-1253	3.9	45
117	Recent contribution of sediments and fluids to the mantle volatile budget. <i>Nature Geoscience</i> , <b>2012</b> , 5, 50-54	18.3	51
116	Origins of <sup>210</sup> Pb- <sup>226</sup> Ra disequilibria in basalts: New insights from the 1978 Asal Rift eruption. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13, n/a-n/a	3.6	2
115	Mantle flow, volatiles, slab-surface temperatures and melting dynamics in the north Tonga arc-back-arc basin. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		13
114	The Petrology and Geochemistry of Lavas from the Western Azores Islands of Flores and Corvo. <i>Journal of Petrology</i> , <b>2012</b> , 53, 1673-1708	3.9	34
113	U-Th-Ra disequilibria and the extent of off-axis volcanism across the East Pacific Rise at 9°30'N, 10°30'N, and 11°20'N. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a	3.6	38
112	Insights into the Galapagos plume from uranium-series isotopes of recently erupted basalts. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a	3.6	7
111	Hf 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> , <b>2011</b> , 304, 212-223	5.3	63
110	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> , <b>2011</b> , 162, 547-563	3.5	44
109	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> , <b>2011</b> , 52, 1049-1075	3.9	52

108	Climatic and vegetation control on sediment dynamics during the last glacial cycle. <i>Geology</i> , <b>2010</b> , 38, 395-398	5	73
107	A preliminary assessment of the symmetry of source composition and melting dynamics across the Azores plume. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2010</b> , 11, n/a-n/a	3.6	26
106	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> , <b>2010</b> , 115,		9
105	Influence of subducted components on back-arc melting dynamics in the Manus Basin. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2010</b> , 11, n/a-n/a	3.6	29
104	$^{210}\text{Pb}$ - $^{226}\text{Ra}$ disequilibria in volcanic rocks. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 296, 155-164	5.3	27
103	Mechanism and timing of Pb transport from subducted oceanic crust and sediment to the mantle source of arc lavas. <i>Chemical Geology</i> , <b>2010</b> , 273, 46-54	4.2	33
102	Crustal and mantle influences and U-Th-Ra disequilibrium in andesitic lavas of Ngauruhoe volcano, New Zealand. <i>Chemical Geology</i> , <b>2010</b> , 277, 355-373	4.2	27
101	Magma Cooling and Differentiation Uranium-Series Isotopes <b>2010</b> , 160-180		2
100	Introduction to the Timescales of Magmatic Processes <b>2010</b> , 1-8		1
99	Melt Production in the Mantle: Constraints from U-Series <b>2010</b> , 68-86		1
98	Melt Transport from the Mantle to the Crust Uranium-Series Isotopes <b>2010</b> , 102-115		2
97	Time Constraints from Chemical Equilibration in Magmatic Crystals <b>2010</b> , 125-159		42
96	Timescales of Magma Degassing <b>2010</b> , 231-255		0
95	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> , <b>2010</b> , 193, 1-17	2.8	13
94	Origin of primitive high-Mg andesite: Constraints from natural examples and experiments. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 283, 59-66	5.3	130
93	Reappraisal of fluid and sediment contributions to Lesser Antilles magmas. <i>Chemical Geology</i> , <b>2009</b> , 265, 272-278	4.2	26
92	New insights into the origin of Pb isotopes in arc lavas from Tonga-Kermadec. <i>Chemical Geology</i> , <b>2009</b> , 266, 187-193	4.2	45
91	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> , <b>2009</b> , 100, 51-60	0.9	15

90	Did the Delamerian Orogeny Start in the Neoproterozoic?. <i>Journal of Geology</i> , <b>2009</b> , 117, 575-583	2	29
89	An Inter-Laboratory Assessment of the Thorium Isotopic Composition of Synthetic and Rock Reference Materials. <i>Geostandards and Geoanalytical Research</i> , <b>2008</b> , 32, 65-91		122
88	Uranium-series isotopes in river materials: Insights into the timescales of erosion and sediment transport. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 265, 1-17	5.3	101
87	Rapid timescales of differentiation and evidence for crustal contamination at intra-oceanic arcs: Geochemical and U-Th-Ba-Br-Nd isotopic constraints from Lopevi Volcano, Vanuatu, SW Pacific. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 273, 184-194	5.3	24
86	Source depletion and extent of melting in the Tongan sub-arc mantle. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 273, 279-288	5.3	39
85	The evolution of weathering profiles through time: New insights from uranium-series isotopes. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 274, 359-371	5.3	97
84	<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> , <b>2008</b> , 72, 4367-4378	5.5	26
83	Magmatic Differentiation at an Island-arc Caldera: Okmok Volcano, Aleutian Islands, Alaska. <i>Journal of Petrology</i> , <b>2008</b> , 49, 857-884	3.9	41
82	The realm of the nanopore. Interest in nanoscale research has skyrocketed, and the humble pore has become a king. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 23-7	7.8	4
81	Mantle dynamics and mantle melting beneath Niuafōʻu Island and the northern Lau back-arc basin. <i>Contributions To Mineralogy and Petrology</i> , <b>2008</b> , 156, 103-118	3.5	33
80	Boron and oxygen isotope evidence for recycling of subducted components over the past 2.5 Gyr. <i>Nature</i> , <b>2007</b> , 447, 702-5	50.4	51
79	Arc dacite genesis pathways: Evidence from mafic enclaves and their hosts in Aegean lavas. <i>Lithos</i> , <b>2007</b> , 95, 346-362	2.9	49
78	Textural and chemical variation in plagioclase phenocrysts from the 1980 eruptions of Mount St. Helens, USA. <i>Contributions To Mineralogy and Petrology</i> , <b>2007</b> , 154, 291-308	3.5	50
77	A Complex Petrogenesis for an Arc Magmatic Suite, St Kitts, Lesser Antilles. <i>Journal of Petrology</i> , <b>2007</b> , 48, 3-42	3.9	31
76	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> , <b>2007</b> , 261, 517-533	5.3	102
75	Thallium isotopes in Iceland and Azores lavas [Implications for the role of altered crust and mantle geochemistry. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 264, 332-345	5.3	47
74	<sup>238</sup> U- <sup>30</sup> Th- <sup>226</sup> Ra- <sup>10</sup> Pb constraints on the genesis of high-Mg andesites at White Island, New Zealand. <i>Chemical Geology</i> , <b>2007</b> , 243, 105-121	4.2	30
73	U-Th-Ba fractionation during crustal-level andesite formation at Ruapehu volcano, New Zealand. <i>Chemical Geology</i> , <b>2007</b> , 244, 437-451	4.2	28

72	A $^{210}\text{Pb}$ / $^{226}\text{Ra}$ - $^{230}\text{Th}$ / $^{238}\text{U}$ study of Klyuchevskoy and Bezymianny volcanoes, Kamchatka. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 4771-4785	5.5	28
71	Measuring Timescales of Magmatic Evolution. <i>Elements</i> , <b>2007</b> , 3, 267-272	3.8	72
70	Amphibole sponge in arc crust?. <i>Geology</i> , <b>2007</b> , 35, 787	5	649
69	Source versus differentiation controls on U-series disequilibria: Insights from Cotopaxi Volcano, Ecuador. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 244, 548-565	5.3	42
68	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> , <b>2006</b> , 246, 418-431	5.3	70
67	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> , <b>2006</b> , 249, 337-349	5.3	34
66	Partial melting processes above subducting plates: Constraints from $^{231}\text{Pa}$ / $^{235}\text{U}$ disequilibria. <i>Geochimica Et Cosmochimica Acta</i> , <b>2006</b> , 70, 480-503	5.5	34
65	Insights into the dynamics of mantle plumes from uranium-series geochemistry. <i>Nature</i> , <b>2006</b> , 444, 713-715	5.4	42
64	Mobility of U-series nuclides during basalt weathering: An example from the Deccan Traps (India). <i>Chemical Geology</i> , <b>2005</b> , 219, 69-91	4.2	62
63	Pressure-temperature-time paths of sediment recycling beneath the Tonga-Kermadec arc. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 233, 195-211	5.3	37
62	Partial melting and upwelling rates beneath the Azores from a U-series isotope perspective. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 239, 42-56	5.3	78
61	Magma evolution and ascent at volcanic arcs: constraining petrogenetic processes through rates and chronologies. <i>Journal of Volcanology and Geothermal Research</i> , <b>2005</b> , 140, 171-191	2.8	68
60	The petrogenesis of volcanics from Mt. Bulusan and Mt. Mayon in the Bicol arc, the Philippines. <i>Contributions To Mineralogy and Petrology</i> , <b>2005</b> , 150, 652-670	3.5	42
59	Geochemical precursors to volcanic activity at Mount St. Helens, USA. <i>Science</i> , <b>2004</b> , 306, 1167-9	33.3	85
58	Measurement of femtogram quantities of protactinium in silicate rock samples by multicollector inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 3584-9	7.8	60
57	$^{210}\text{Pb}$ / $^{226}\text{Ra}$ and $^{228}\text{Ra}$ / $^{232}\text{Th}$ systematics in young arc lavas: implications for magma degassing and ascent rates. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 227, 1-16	5.3	41
56	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of detrital muscovite in provenance investigations: a case study from the Adelaide Rift Complex, South Australia. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 227, 297-311	5.3	37
55	Time scales of magmatic processes. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 218, 1-16	5.3	102



54	7. Insights into Magma Genesis at Convergent Margins from U-series Isotopes <b>2003</b> , 255-316		20
53	1. Introduction to U-series Geochemistry <b>2003</b> , 1-22		10
52	Dehydration and partial melting in subduction zones: Constraints from U-series disequilibria. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		34
51	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> , <b>2003</b> , 108,		92
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