

Axel K Schmitt

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208
papers

7,834
citations

51
h-index

78
g-index

225
ext. papers

8,919
ext. citations

4.4
avg, IF

6.23
L-index

#	Paper	IF	Citations
208	Zircon saturation re-revisited. <i>Chemical Geology</i> , 2013 , 351, 324-334	4.2	597
207	U-Pb zircon geochronology of late Neoproterozoic/Early Cambrian granitoids in Iran: Implications for paleogeography, magmatism, and exhumation history of Iranian basement. <i>Tectonophysics</i> , 2008 , 451, 71-96	3.1	241
206	Early (4.5 Ga) formation of terrestrial crust: Lu/Hf, $\delta^{18}O$, and Ti thermometry results for Hadean zircons. <i>Earth and Planetary Science Letters</i> , 2008 , 268, 476-486	5.3	225
205	U/Pb zircon geochronology by ID-TIMS, SIMS, and laser ablation ICP-MS: Recipes, interpretations, and opportunities. <i>Chemical Geology</i> , 2015 , 402, 89-110	4.2	148
204	The Geysers - Cobb Mountain Magma System, California (Part 1): U-Pb zircon ages of volcanic rocks, conditions of zircon crystallization and magma residence times. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 3423-3442	5.5	134
203	Constraints on Hadean zircon protoliths from oxygen isotopes, Ti-thermometry, and rare earth elements. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	125
202	Boron and Oxygen Isotope Composition of Certified Reference Materials NIST SRM 610/612 and Reference Materials JB-2 and JR-2. <i>Geostandards and Geoanalytical Research</i> , 2001 , 25, 405-416	3.6	125
201	Uranium Series Accessory Crystal Dating of Magmatic Processes. <i>Annual Review of Earth and Planetary Sciences</i> , 2011 , 39, 321-349	15.3	123
200	Jurassic accretionary complex and ophiolite from northeast Turkey: No evidence for the Cimmerian continental ribbon. <i>Geology</i> , 2013 , 41, 255-258	5	119
199	The origin and significance of crustal minerals in ophiolitic chromitites and peridotites. <i>Gondwana Research</i> , 2015 , 27, 486-506	5.1	116
198	Multiple sulfur isotopes from Paleoproterozoic Huronian interglacial sediments and the rise of atmospheric oxygen. <i>Earth and Planetary Science Letters</i> , 2007 , 255, 188-212	5.3	116
197	Zircon-scale insights into the history of a Supervolcano, Bishop Tuff, Long Valley, California, with implications for the Ti-in-zircon geothermometer. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 161, 293-311	3.5	111
196	Petrogenesis and $^{40}Ar/^{39}Ar$ Geochronology of the Brandberg Complex, Namibia: Evidence for a Major Mantle Contribution in Metaluminous and Peralkaline Granites. <i>Journal of Petrology</i> , 2000 , 41, 1207-1239	3.9	103
195	In search of the dead zone: Use of otoliths for tracking fish exposure to hypoxia. <i>Journal of Marine Systems</i> , 2015 , 141, 167-178	2.7	102
194	Propagation of orographic barriers along an active range front: insights from sandstone petrography and detrital apatite fission-track thermochronology in the intramontane Angastaco basin, NW Argentina. <i>Basin Research</i> , 2006 , 18, 1-26	3.2	99
193	High sensitivity mapping of Ti distributions in Hadean zircons. <i>Earth and Planetary Science Letters</i> , 2007 , 261, 9-19	5.3	95
192	Re-anchoring the late Pleistocene tephrochronology of New Zealand based on concordant radiocarbon ages and combined $^{238}U/^{230}Th$ disequilibrium and (U/Th)/He zircon ages. <i>Earth and Planetary Science Letters</i> , 2012 , 349-350, 240-250	5.3	90

191	Acig�rhyolite field, Central Anatolia (part 1): high-resolution dating of eruption episodes and zircon growth rates. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 162, 1215-1231	3.5	87
190	Late MiocenePliocene eclogite facies metamorphism, D'Entrecasteaux Islands, SE Papua New Guinea. <i>Journal of Metamorphic Geology</i> , 2007 , 25, 245-265	4.4	86
189	Correlation of ignimbrites in the central Anatolian volcanic province using zircon and plagioclase ages and zircon compositions. <i>Journal of Volcanology and Geothermal Research</i> , 2012 , 213-214, 83-97	2.8	83
188	Structural and geochronological evidence for the leading edge of the Greater Himalayan Crystalline complex in the central Nepal Himalaya. <i>Earth and Planetary Science Letters</i> , 2011 , 304, 483-495	5.3	76
187	In situ U�b SIMS (IN-SIMS) micro-baddeleyite dating of mafic rocks: Method with examples. <i>Precambrian Research</i> , 2010 , 183, 379-387	3.9	76
186	Large-volume Rhyolite Genesis in Caldera Complexes of the Snake River Plain: Insights from the Kilgore Tuff of the Heise Volcanic Field, Idaho, with Comparison to Yellowstone and Bruneau�arbidge Rhyolites. <i>Journal of Petrology</i> , 2011 , 52, 857-890	3.9	76
185	Oxygen isotopic composition and U-Pb discordance in zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2005 , 69, 4895-4905	5.5	76
184	Linking rapid magma reservoir assembly and eruption trigger mechanisms at evolved Yellowstone-type supervolcanoes. <i>Geology</i> , 2014 , 42, 807-810	5	75
183	Isotopic links between atmospheric chemistry and the deep sulphur cycle on Mars. <i>Nature</i> , 2014 , 508, 364-8	50.4	75
182	Increased sediment accumulation rates and climatic forcing in the central Andes during the late Miocene. <i>Geology</i> , 2007 , 35, 979	5	74
181	Large-volume silicic volcanism in Kamchatka: Ar�r and U�b ages, isotopic, and geochemical characteristics of major pre-Holocene caldera-forming eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2010 , 189, 57-80	2.8	73
180	Neogene to Quaternary broken foreland formation and sedimentation dynamics in the Andes of NW Argentina (25�S). <i>Tectonics</i> , 2011 , 30, n/a-n/a	4.3	72
179	Iceland is not a magmatic analog for the Hadean: Evidence from the zircon record. <i>Earth and Planetary Science Letters</i> , 2014 , 405, 85-97	5.3	69
178	Solving the Martian meteorite age conundrum using micro-baddeleyite and launch-generated zircon. <i>Nature</i> , 2013 , 499, 454-7	50.4	68
177	Eruption and magma crystallization ages of Las Tres V�genes (Baja California) constrained by combined 230Th/238U and (U�h)/He dating of zircon. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 158, 281-295	2.8	68
176	Recovering tectonic events from the sedimentary record: Detrital monazite plays in high fidelity. <i>Geology</i> , 2010 , 38, 167-170	5	67
175	In situ U�b dating of micro-baddeleyite by secondary ion mass spectrometry. <i>Chemical Geology</i> , 2010 , 269, 386-395	4.2	67
174	Extrusion vs. duplexing models of Himalayan mountain building 3: duplexing dominates from the Oligocene to Present. <i>International Geology Review</i> , 2015 , 57, 1-27	2.3	66

173	Warm storage for arc magmas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13959-13964	11.5	64
172	Episodic growth and homogenization of plutonic roots in arc volcanoes from combined U ¹⁰⁷ h and (U ¹⁰⁷ h)/He zircon dating. <i>Earth and Planetary Science Letters</i> , 2010 , 295, 91-103	5.3	64
171	Experimental calibration of oxygen isotope fractionation between quartz and zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 7110-7126	5.5	62
170	Zr-Nb-REE Mineralization in Peralkaline Granites from the Amis Complex, Brandberg (Namibia): Evidence for Magmatic Pre-enrichment from Melt Inclusions. <i>Economic Geology</i> , 2002 , 97, 399-413	4.3	62
169	Voluminous low $\delta^{18}O$ magmas in the late Miocene Heise volcanic field, Idaho: Implications for the fate of Yellowstone hotspot calderas. <i>Geology</i> , 2007 , 35, 1019	5	61
168	Unsteady evolution of the Bolivian Subandean thrust belt: The role of enhanced erosion and clastic wedge progradation. <i>Earth and Planetary Science Letters</i> , 2009 , 281, 134-146	5.3	60
167	Prolonged mantle residence of zircon xenocrysts from the western Eger rift. <i>Nature Geoscience</i> , 2009 , 2, 886-890	18.3	59
166	Crystal scale anatomy of a dying supervolcano: an isotope and geochronology study of individual phenocrysts from voluminous rhyolites of the Yellowstone caldera. <i>Contributions To Mineralogy and Petrology</i> , 2012 , 164, 45-67	3.5	58
165	Magmatic Longevity of Laacher See Volcano (Eifel, Germany) Indicated by U ¹⁰⁷ h Dating of Intrusive Carbonatites. <i>Journal of Petrology</i> , 2010 , 51, 1053-1085	3.9	58
164	Alteration and remelting of nascent oceanic crust during continental rupture: Evidence from zircon geochemistry of rhyolites and xenoliths from the Salton Trough, California. <i>Earth and Planetary Science Letters</i> , 2006 , 252, 260-274	5.3	58
163	Eruption ages of Las Tres Virgenes volcano (Baja California): A tale of two helium isotopes. <i>Quaternary Geochronology</i> , 2010 , 5, 503-511	2.7	54
162	Crustal-scale recycling in caldera complexes and rift zones along the Yellowstone hotspot track: O and Hf isotopic evidence in diverse zircons from voluminous rhyolites of the Picabo volcanic field, Idaho. <i>Earth and Planetary Science Letters</i> , 2013 , 381, 63-77	5.3	53
161	U ¹⁰⁷ h zircon geochronology of silicic tuffs from the Timber Mountain/Oasis Valley caldera complex, Nevada: rapid generation of large volume magmas by shallow-level remelting. <i>Contributions To Mineralogy and Petrology</i> , 2006 , 152, 649-665	3.5	53
160	Reduced, reused and recycled: Detrital zircons define a maximum age for the Eoarchean (ca. 3750-3780 Ma) Nuvvuagittuq Supracrustal Belt, Quebec (Canada). <i>Earth and Planetary Science Letters</i> , 2013 , 362, 283-293	5.3	52
159	⁵³ Mn/ ⁵³ Cr systematics of carbonates in CM chondrites: Implications for the timing and duration of aqueous alteration. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 7433-7442	5.5	52
158	U ¹⁰⁷ h dating of zircons from Holocene potassic andesites (Maanshan volcano, Tengchong, SE Tibetan Plateau) by depth profiling: Time scales and nature of magma storage. <i>Lithos</i> , 2010 , 118, 202-210	2.9	52
157	The effect of titanite and other HFSE-rich mineral (Ti-bearing andradite, zircon, eudialyte) fractionation on the geochemical evolution of silicate melts. <i>Chemical Geology</i> , 2008 , 257, 153-172	4.2	51
156	Geochemical signatures and magmatic stability of terrestrial impact produced zircon. <i>Earth and Planetary Science Letters</i> , 2012 , 321-322, 20-31	5.3	50

155	Limits of hydrosphere-lithosphere interaction: Origin of the lowest-known $\delta^{18}\text{O}$ silicate rock on Earth in the Paleoproterozoic Karelian rift. <i>Geology</i> , 2010 , 38, 631-634	5	50
154	U/Pb zircon chronostratigraphy of early-Pliocene ignimbrites from La Pacana, north Chile: implications for the formation of stratified magma chambers. <i>Journal of Volcanology and Geothermal Research</i> , 2003 , 120, 43-53	2.8	50
153	Middle Eocene-Oligocene broken-foreland evolution in the Andean Calchaqui Valley, NW Argentina: insights from stratigraphic, structural and provenance studies. <i>Basin Research</i> , 2013 , 25, 574-593	3.3	49
152	Identifying the volcanic eruption depicted in a neolithic painting at β atalh ν , Central Anatolia, Turkey. <i>PLoS ONE</i> , 2014 , 9, e84711	3.7	49
151	High-sensitivity U/Pb rutile dating by secondary ion mass spectrometry (SIMS) with an O ₂ ⁺ primary beam. <i>Chemical Geology</i> , 2012 , 332-333, 65-73	4.2	49
150	Contrasting punctuated zircon growth in two syn-erupted rhyolite magmas from Tarawera volcano: Insights to crystal diversity in magmatic systems. <i>Earth and Planetary Science Letters</i> , 2011 , 301, 511-520	5.3	47
149	Decoupled crystallization and eruption histories of the rhyolite magmatic system at Tarawera volcano revealed by zircon ages and growth rates. <i>Contributions To Mineralogy and Petrology</i> , 2012 , 163, 505-519	3.5	46
148	Magmatic anhydrite-sulfide assemblages in the plumbing system of the Siberian Traps. <i>Geology</i> , 2009 , 37, 259-262	5	46
147	Eocene tectonometamorphism on Serifos (western Cyclades) deduced from zircon depth-profiling geochronology and mica thermochronology. <i>Lithos</i> , 2011 , 125, 151-172	2.9	45
146	Dynamics of deformation and sedimentation in the northern Sierras Pampeanas: An integrated study of the Neogene Fambala basin, NW Argentina. <i>Bulletin of the Geological Society of America</i> , 2008 , 120, 1518-1543	3.9	45
145	Gas-saturated crystallization and degassing in large-volume, crystal-rich dacitic magmas from the Altiplano-Puna, northern Chile. <i>Journal of Geophysical Research</i> , 2001 , 106, 30561-30578		44
144	High resolution Secondary Ionisation Mass Spectrometry (SIMS) $\delta^{18}\text{O}$ analyses of Hulu Cave speleothem at the time of Heinrich Event 1. <i>Chemical Geology</i> , 2007 , 238, 197-212	4.2	43
143	The Geysers-Cobb Mountain Magma System, California (Part 2): timescales of pluton emplacement and implications for its thermal history. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 3443-3458	5.5	43
142	Constraints on the timing of Quaternary volcanism and duration of magma residence at Ciomadul volcano, east-central Europe, from combined U/Th/He and U/Th zircon geochronology. <i>Journal of Volcanology and Geothermal Research</i> , 2015 , 301, 66-80	2.8	42
141	Quaternary bimodal volcanism in the Ni β e Volcanic Complex (Cappadocia, central Anatolia, Turkey): age, petrogenesis and geodynamic implications. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 168, 1	3.5	42
140	Recording the transition from flare-up to steady-state arc magmatism at the Purico-Chascon volcanic complex, northern Chile. <i>Earth and Planetary Science Letters</i> , 2015 , 422, 75-86	5.3	41
139	Letter: Ion microprobe analysis of (231Pa)/(235U) and an appraisal of protactinium partitioning in igneous zircon. <i>American Mineralogist</i> , 2007 , 92, 691-694	2.9	41
138	Million-year melt presence in monotonous intermediate magma for a volcanic-plutonic assemblage in the Central Andes: Contrasting histories of crystal-rich and crystal-poor super-sized silicic magmas. <i>Earth and Planetary Science Letters</i> , 2017 , 457, 73-86	5.3	40

137	Voluminous plutonism during volcanic quiescence revealed by thermochemical modeling of zircon. <i>Geology</i> , 2016 , 44, 683-686	5	40
136	The marine isotope stage 1B cryptotephra record of Tenaghi Philippon, Greece: Towards a detailed tephrostratigraphic framework for the Eastern Mediterranean region. <i>Quaternary Science Reviews</i> , 2018 , 186, 236-262	3.9	39
135	Application of combined U-Th-disequilibrium/U-Pb and (U-Th)/He zircon dating to tephrochronology. <i>Quaternary Geochronology</i> , 2017 , 40, 23-32	2.7	39
134	A reconnaissance of U-Pb zircon ages in the Cerro Galb system, NW Argentina: Prolonged magma residence, crystal recycling, and crustal assimilation. <i>Journal of Volcanology and Geothermal Research</i> , 2011 , 206, 136-147	2.8	39
133	Neotectonic basin and landscape evolution in the Eastern Cordillera of NW Argentina, Humahuaca Basin (~24°S). <i>Basin Research</i> , 2013 , 25, 554-573	3.2	37
132	Decoupling of UPb dates from chemical and crystallographic domains in granulite facies zircon. <i>Chemical Geology</i> , 2010 , 270, 20-30	4.2	37
131	Laacher See revisited: High-spatial-resolution zircon dating indicates rapid formation of a zoned magma chamber. <i>Geology</i> , 2006 , 34, 597	5	37
130	Variable microstructural response of baddeleyite to shock metamorphism in young basaltic shergottite NWA 5298 and improved UPb dating of Solar System events. <i>Earth and Planetary Science Letters</i> , 2016 , 444, 1-12	5.3	37
129	A search for thermal excursions from ancient extraterrestrial impacts using Hadean zircon Ti-U-Th-Pb depth profiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13486-92	11.5	36
128	Field and microanalytical isotopic investigation of ultradepleted in 18O Paleoproterozoic Blushball Earthrocks from Karelia, Russia 2014 , 10, 308-339		35
127	Micro-scale S isotope studies of the Kharaelakh intrusion, Norilsk region, Siberia: Constraints on the genesis of coexisting anhydrite and sulfide minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 634-644	5.5	35
126	Geochronological imaging of an episodically constructed subvolcanic batholith: U-Pb in zircon chronochemistry of the Altiplano-Puna Volcanic Complex of the Central Andes 2016 , 12, 1054-1077		34
125	Short-lived magmatic activity in an anorogenic subvolcanic complex: 40Ar/39Ar and ion microprobe UPb zircon dating of the Erongo, Damaraland, Namibia. <i>Journal of Volcanology and Geothermal Research</i> , 2004 , 130, 285-305	2.8	33
124	Crystallization and eruption ages of Breccia Museo (Campi Flegrei caldera, Italy) plutonic clasts and their relation to the Campanian ignimbrite. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 167, 1	3.5	32
123	Assimilation of preexisting Pleistocene intrusions at Long Valley by periodic magma recharge accelerates rhyolite generation: rethinking the remelting model. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 167, 1	3.5	32
122	Zircon trace element chemistry at sub-micrometer resolution for Tarawera volcano, New Zealand, and implications for rhyolite magma evolution. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 167, 1	3.5	32
121	Buried rhyolites within the active, high-temperature Salton Sea geothermal system. <i>Journal of Volcanology and Geothermal Research</i> , 2008 , 178, 708-718	2.8	32
120	Boron isotopic variations in hydrous rhyolitic melts: a case study from Long Valley, California. <i>Contributions To Mineralogy and Petrology</i> , 2004 , 146, 590-605	3.5	31

119	Tectono-sedimentary evolution of the northern Iranian Plateau: insights from middle-late Miocene foreland-basin deposits. <i>Basin Research</i> , 2017 , 29, 417-446	3.2	30
118	Zircon Hafnium-Oxygen Isotope and Trace Element Petrochronology of Intraplate Volcanic Rocks from the Eifel (Germany) and Implications for Mantle versus Crustal Origins of Zircon Megacrysts. <i>Journal of Petrology</i> , 2017 , 58, 1841-1870	3.9	30
117	Rapid cooling rates at an active mid-ocean ridge from zircon thermochronology. <i>Earth and Planetary Science Letters</i> , 2011 , 302, 349-358	5.3	30
116	Boron in central Andean ignimbrites: implications for crustal boron cycles in an active continental margin. <i>Chemical Geology</i> , 2002 , 183, 333-347	4.2	30
115	(U-Th)/He zircon and archaeological ages for a late prehistoric eruption in the Salton Trough (California, USA). <i>Geology</i> , 2013 , 41, 7-10	5	28
114	Time-Temperature-Fluid evolution of migmatite dome crystallization: Coupled U-Pb age, Ti thermometry, and O isotopic ion microprobe depth profiling of zircon and monazite. <i>Chemical Geology</i> , 2009 , 262, 186-201	4.2	28
113	Managed metapopulations: do salmon hatchery 'sources' lead to in-river 'sinks' in conservation?. <i>PLoS ONE</i> , 2012 , 7, e28880	3.7	28
112	Oceanic magmatism in sedimentary basins of the northern Gulf of California rift. <i>Bulletin of the Geological Society of America</i> , 2013 , 125, 1833-1850	3.9	27
111	Paleozoic to early Cenozoic cooling and exhumation of the basement underlying the eastern Puna plateau margin prior to plateau growth. <i>Tectonics</i> , 2012 , 31, n/a-n/a	4.3	27
110	Zircon growth and recrystallization during progressive metamorphism, Barrovian zones, Scotland. <i>American Mineralogist</i> , 2013 , 98, 219-230	2.9	26
109	Acigözü rhyolite field, central Anatolia (part II): geochemical and isotopic (Sr-Nd-Pb, $\delta^{18}O$) constraints on volcanism involving two high-silica rhyolite suites. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 162, 1233-1247	3.5	26
108	Post-supereruption recovery at Toba Caldera. <i>Nature Communications</i> , 2017 , 8, 15248	17.4	25
107	Hydrothermal alteration and melting of the crust during the Columbia River Basalt-Snake River Plain transition and the origin of low- $\delta^{18}O$ rhyolites of the central Snake River Plain. <i>Lithos</i> , 2015 , 224-225, 310-323	2.9	25
106	U-series zircon age constraints on the plumbing system and magma residence times of the Changbai volcano, China/North Korea border. <i>Lithos</i> , 2014 , 200-201, 169-180	2.9	25
105	Sulfur isotopes in otoliths allow discrimination of anadromous and non-anadromous ecotypes of sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Environmental Biology of Fishes</i> , 2010 , 89, 521-532	1.6	25
104	Secondary Ionization Mass Spectrometry Analysis in Petrochronology. <i>Reviews in Mineralogy and Geochemistry</i> , 2017 , 83, 199-230	7.1	24
103	Surface uplift and convective rainfall along the southern Central Andes (Angastaco Basin, NW Argentina). <i>Earth and Planetary Science Letters</i> , 2016 , 440, 33-42	5.3	24
102	In situ $\delta^{6}Li$, Li/Ca, and Mg/Ca analyses of synthetic aragonites. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	24

101	In situ $^{40}\text{K}/^{36}\text{Ca}$ double-plus-SIMS dating resolves Klokken feldspar $^{40}\text{K}/^{39}\text{Ar}$ paradox. <i>Earth and Planetary Science Letters</i> , 2010 , 299, 426-433	5.3	24
100	U/Pb geochronology and geochemistry of Bibi-Maryam pluton, eastern Iran: Implication for the late stage of the tectonic evolution of the Sistan Ocean. <i>Lithos</i> , 2014 , 200-201, 197-211	2.9	23
99	Geology, zircon geochronology, and petrogenesis of Sabalan volcano (northwestern Iran). <i>Journal of Volcanology and Geothermal Research</i> , 2016 , 327, 192-207	2.8	23
98	Probing the Volcanic-Plutonic Connection and the Genesis of Crystal-rich Rhyolite in a Deeply Dissected Supervolcano in the Nevada Great Basin: Source of the Late Eocene Caetano Tuff. <i>Journal of Petrology</i> , 2016 , 57, 1599-1644	3.9	22
97	Sockeye salmon (<i>Oncorhynchus nerka</i>) return after an absence of nearly 90 years: a case of reversion to anadromy. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 1590-1602	2.4	22
96	The missing half of the subduction factory: shipboard results from the Izu rear arc, IODP Expedition 350. <i>International Geology Review</i> , 2017 , 59, 1677-1708	2.3	21
95	Blueschist from the Mariana forearc records long-lived residence of material in the subduction channel. <i>Earth and Planetary Science Letters</i> , 2019 , 519, 171-181	5.3	21
94	The onset of the volcanism in the Ciomadul Volcanic Dome Complex (Eastern Carpathians): Eruption chronology and magma type variation. <i>Journal of Volcanology and Geothermal Research</i> , 2018 , 354, 39-56	2.8	21
93	Extrusion vs. duplexing models of Himalayan mountain building 2: The South Tibet detachment at the Dadeldhura klippe. <i>Tectonophysics</i> , 2016 , 667, 87-107	3.1	21
92	Isotopic, paleontologic, and ichnologic evidence for late Miocene pulses of marine incursions in the central Andes. <i>Geology</i> , 2009 , 37, 827-830	5	21
91	Post-caldera Volcanism at the Heise Volcanic Field: Implications for Petrogenetic Models. <i>Journal of Petrology</i> , 2017 , 58, 115-136	3.9	20
90	Coeval Early Ediacaran Breakup of Amazonia, Baltica, and Laurentia: Evidence From Micro-Baddeleyite Dating of Dykes From the Novillo Canyon, Mexico. <i>Geophysical Research Letters</i> , 2019 , 46, 2003-2011	4.9	20
89	Timing and conditions of formation of granitoid clasts erupted in recent pyroclastic deposits from Tarawera Volcano (New Zealand). <i>Lithos</i> , 2012 , 140-141, 1-10	2.9	19
88	Ion microprobe dating of zircons from active Dayingshan volcano, Tengchong, SE Tibetan Plateau: Time scales and nature of magma chamber storage. <i>Lithos</i> , 2013 , 172-173, 214-221	2.9	19
87	Accessory mineral U/Pb ages and $^{40}\text{Ar}/^{39}\text{Ar}$ eruption chronology, and their bearing on rhyolitic magma evolution in the Pleistocene Coso volcanic field, California. <i>Contributions To Mineralogy and Petrology</i> , 2009 , 158, 421-446	3.5	19
86	Episodes of dormancy and eruption of the Late Pleistocene Ciomadul volcanic complex (Eastern Carpathians, Romania) constrained by zircon geochronology. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 373, 133-147	2.8	18
85	Tracking the source of the enriched martian meteorites in olivine-hosted melt inclusions of two depleted shergottites, Yamato 980459 and Tissint. <i>Earth and Planetary Science Letters</i> , 2015 , 418, 91-102	5.3	18
84	Stability of Zircon and Its Isotopic Ratios in High-Temperature Fluids: Long-Term (4 months) Isotope Exchange Experiment at 850°C and 50 MPa. <i>Frontiers in Earth Science</i> , 2018 , 6,	3.5	17

83	Elucidating the magmatic history of the Austurhorn silicic intrusive complex (southeast Iceland) using zircon elemental and isotopic geochemistry and geochronology. <i>Contributions To Mineralogy and Petrology</i> , 2016 , 171, 1	3.5	16
82	The dark side of zircon: textural, age, oxygen isotopic and trace element evidence of fluid saturation in the subvolcanic reservoir of the Island Park-Mount Jackson Rhyolite, Yellowstone (USA). <i>Contributions To Mineralogy and Petrology</i> , 2018 , 173, 1	3.5	16
81	Petrogenesis and thermal overprint of S-type granites in Helanshan region, North China Craton: Constraints on the 1.90 Ga khondalites decompression melting and 1.32 Ga tectono-thermal event. <i>Precambrian Research</i> , 2017 , 303, 660-672	3.9	16
80	U-Th Zircon Dating by Laser Ablation Single Collector Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS). <i>Geostandards and Geoanalytical Research</i> , 2016 , 40, 377-387	3.6	16
79	⁴⁰ Ar/ ³⁹ Ar ages and zircon petrochronology for the rear arc of the Izu-Bonin-Marianas intra-oceanic subduction zone. <i>International Geology Review</i> , 2018 , 60, 956-976	2.3	15
78	In-situ oxygen isotope and trace element geothermometry of rutilated quartz from Alpine fissures. <i>American Mineralogist</i> , 2015 , 100, 915-925	2.9	15
77	Re-evaluation of the Roseau Tuff eruptive sequence and other ignimbrites in Dominica, Lesser Antilles. <i>Journal of Quaternary Science</i> , 2014 , 29, 531-546	2.3	15
76	Zircon Alteration in Wall Rock of Pamour and Hoyle Pond Au Deposits, Abitibi Greenstone Belt: Constraints on Timescales of Fluid Flow from Depth-Profiling Techniques. <i>Economic Geology</i> , 2012 , 107, 1043-1072	4.3	15
75	Late Pleistocene zircon ages for intracaldera domes at Gökçü (Isparta, Turkey). <i>Journal of Volcanology and Geothermal Research</i> , 2014 , 286, 24-29	2.8	13
74	The onset and origin of differentiated Rhine Graben volcanism based on U-Pb ages and oxygen isotopic composition of zircon. <i>European Journal of Mineralogy</i> , 2007 , 19, 849-857	2.2	13
73	U-Th baddeleyite geochronology and its significance to date the emplacement of silica undersaturated magmas. <i>American Mineralogist</i> , 2015 , 100, 2082-2090	2.9	12
72	Age and compositional data of zircon from sepiolite drilling mud to identify contamination of ocean drilling samples. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 3512-3526	3.6	12
71	Zircon xenocryst resorption and magmatic regrowth at El Chichón Volcano, Chiapas, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2016 , 311, 170-182	2.8	12
70	Volcanic stratigraphy and geochemistry of the Soufrière Volcanic Centre, Saint Lucia with implications for volcanic hazards. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 258, 126-142	2.8	12
69	Characterizing the continental basement of the Central Andes: Constraints from Bolivian crustal xenoliths. <i>Bulletin of the Geological Society of America</i> , 2013 , 125, 985-997	3.9	12
68	Fluid-rock interaction in orogenic crust tracked by zircon depth profiling. <i>Geology</i> , 2009 , 37, 735-738	5	12
67	Expedition 350 summary. <i>Proceedings of the International Ocean Discovery Program</i> ,		12
66	Sub-millennial eruptive recurrence in the silicic Mangaone Subgroup tephra sequence, New Zealand, from Bayesian modelling of zircon double-dating and radiocarbon ages. <i>Quaternary Science Reviews</i> , 2020 , 246, 106517	3.9	12

65	Time scales of intra-oceanic arc magmatism from combined U-Th and (U-Th)/He zircon geochronology of Dominica, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 347-365	3.6	10
64	^{238}U - ^{230}Th dating of chevkinite in high-silica rhyolites from La Primavera and Yellowstone calderas. <i>Chemical Geology</i> , 2014 , 390, 109-118	4.2	10
63	Comment on Zircon U-Th-Pb dating using LA-ICP-MS: Simultaneous U-Pb and U-Th dating on 0.1Ma Toya Tephra, Japan by Hisatoshi Ito. <i>Journal of Volcanology and Geothermal Research</i> , 2015 , 296, 101-103	2.8	9
62	Volcanic ash provenance from zircon dust with an application to Maya pottery. <i>Geology</i> , 2014 , 42, 595-598	3.8	9
61	Letter. In situ ^{238}U - ^{230}Th disequilibrium dating of pyrochlore at sub-millennial precision. <i>American Mineralogist</i> , 2010 , 95, 1353-1356	2.9	9
60	Geochemistry of volcanic rocks from the Geysers geothermal area, California Coast Ranges. <i>Lithos</i> , 2006 , 87, 80-103	2.9	9
59	Zircon growth in (U)HP quartzo-feldspathic host gneisses exhumed in the Woodlark Rift of Papua New Guinea. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 1258-1282	3.6	8
58	Zircon melt inclusions in mafic and felsic rocks of the Bushveld Complex [Constraints for zircon crystallization temperatures and partition coefficients. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 289, 158-181	5.5	8
57	U-series ages of young volcanoes from the Southeastern Tibetan Plateau: Holocene eruptions and magma evolution timescales. <i>Lithos</i> , 2020 , 370-371, 105643	2.9	7
56	U-Th whole rock data and high spatial resolution U-Th disequilibrium and U-Pb zircon ages of Mt. Erciyes and Mt. Hasan Quaternary stratovolcanic complexes (Central Anatolia). <i>Data in Brief</i> , 2020 , 29, 105113	1.2	7
55	Fingerprinting the Late Pleistocene tephra of Ciomadul volcano, eastern-central Europe. <i>Journal of Quaternary Science</i> , 2020 , 35, 232-244	2.3	7
54	LA-ICP-MS and SIMS U-Pb and U-Th zircon geochronological data of Late Pleistocene lava domes of the Ciomadul Volcanic Dome Complex (Eastern Carpathians). <i>Data in Brief</i> , 2018 , 18, 808-813	1.2	7
53	Vestiges of the proto-Caribbean seaway: Origin of the San Souci Volcanic Group, Trinidad. <i>Tectonophysics</i> , 2014 , 626, 170-185	3.1	7
52	Petrogenesis of Silicic Magmas in Iceland through Space and Time: The Isotopic Record Preserved in Zircon and Whole Rocks. <i>Journal of Geology</i> , 2020 , 128, 1-28	2	7
51	High-Resolution P-T-Time Paths Across Himalayan Faults Exposed Along the Bhagirathi Transect NW India: Implications for the Construction of the Himalayan Orogen and Ongoing Deformation. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC009353	3.6	7
50	Late Pleistocene eruptive recurrence in the post-collisional Mt. Hasan stratovolcanic complex (Central Anatolia) revealed by zircon double-dating. <i>Journal of Volcanology and Geothermal Research</i> , 2020 , 404, 107007	2.8	7
49	Neoproterozoic extension and the Central Iapetus Magmatic Province in southern Mexico [New U-Pb ages, Hf-O isotopes and trace element data of zircon from the Chiapas Massif Complex. <i>Gondwana Research</i> , 2020 , 88, 1-20	5.1	7
48	Volcanic eruption eye-witnessed and recorded by prehistoric humans. <i>Quaternary Science Reviews</i> , 2019 , 212, 187-198	3.9	6

47	Reconciling Li and O diffusion in zircon with protracted magmatic crystal residence. <i>Contributions To Mineralogy and Petrology</i> , 2019 , 174, 1	3.5	6
46	Determining the current size and state of subvolcanic magma reservoirs. <i>Nature Communications</i> , 2020 , 11, 5477	17.4	6
45	U-Pb ages of rare rutile inclusions in diamond indicate entrapment synchronous with kimberlite formation. <i>Lithos</i> , 2019 , 350-351, 105251	2.9	6
44	Detrital zircon resolve longevity and evolution of silicic magmatism in extinct volcanic centers: A case study from the East Fjords of Iceland 2017 , 13, 1640-1663		6
43	Chasing the mantle: Deciphering cryptic mantle signals through Earth's thickest continental magmatic arc. <i>Earth and Planetary Science Letters</i> , 2020 , 531, 115985	5.3	6
42	U-Th disequilibrium, (U-Th)/He and ⁴⁰ Ar/ ³⁹ Ar geochronology of distal Nisyros Kyra tephra deposits on Dat̄ peninsula (SW Anatolia). <i>Quaternary Geochronology</i> , 2020 , 55, 101033	2.7	5
41	New insights into source and dispersal of Mediterranean S1 tephra, an early Holocene marker horizon erupted at Mt. Erciyes (Turkey). <i>Quaternary Science Reviews</i> , 2020 , 249, 106606	3.9	5
40	Ages and glass compositions for paired large-volume eruptions from the Aciḡvolcanic complex, Cappadocia (Turkey). <i>Mediterranean Geoscience Reviews</i> , 2019 , 1, 167-178	2.1	5
39	Sequence modeling in zircon double-dating of early Holocene Mt. Erciyes domes (Central Anatolia). <i>Quaternary Geochronology</i> , 2021 , 61, 101129	2.7	5
38	A history of violence: magma incubation, timing and tephra distribution of the Los Chocoyos supereruption (Atitl̄ Caldera, Guatemala). <i>Journal of Quaternary Science</i> , 2021 , 36, 169-179	2.3	5
37	Millennial to decadal magma evolution in an arc volcano from zircon and tephra of the 2016 Santiaguito eruption (Guatemala). <i>Lithos</i> , 2019 , 340-341, 209-222	2.9	4
36	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	3.9	4
35	Dynamics of deformation and sedimentation in the northern Sierras Pampeanas: An integrated study of the Neogene Fiambala basin, NW Argentina: Reply. <i>Bulletin of the Geological Society of America</i> , 2010 , 122, 950-953	3.9	4
34	Nature, age and emplacement of the Spongtang ophiolite, Ladakh, NW India. <i>Journal of the Geological Society</i> , 2019 , 176, 284-305	2.7	4
33	Intrusive reawakening of El Chich̄ volcano prior to its Holocene eruptive hyperactivity. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 377, 53-68	2.8	3
32	Age of the dacite of Sunset Amphitheater, a voluminous Pleistocene tephra from Mount Rainier (USA), and implications for Cascade glacial stratigraphy. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 376, 27-43	2.8	3
31	Archean Xenocrysts in Modern Volcanic Rocks from Kamchatka: Insight into the Basement and Paleodrainage. <i>Journal of Geology</i> , 2016 , 124, 247-253	2	3
30	Reply to comment by: Lucia Capra, Claus Siebe, Jos̄Luis Mac̄s, and Juan Manuel Esp̄dola. <i>Journal of Volcanology and Geothermal Research</i> , 2007 , 163, 102-103	2.8	3

29	Application of zircon typology method to felsic rocks (Cappadocia, Central Anatolia, Turkey): a zircon crystallization temperature perspective. <i>Turkish Journal of Earth Sciences</i> , 2019 , 28, 351-371	1.5	3
28	Permo-Triassic metamorphism in the Mérida Andes, Venezuela: new insights from geochronology, O-isotopes, and geothermobarometry. <i>International Journal of Earth Sciences</i> , 2020 , 110, 2465	2.2	3
27	Magma origins and geodynamic implications for the Makran-Chagai arc from geochronology and geochemistry of Bazman volcano, southeastern Iran. <i>Journal of Asian Earth Sciences</i> , 2019 , 171, 289-304	2.8	3
26	Zircon double-dating of Quaternary eruptions on Jeju Island, South Korea. <i>Journal of Volcanology and Geothermal Research</i> , 2021 , 410, 107171	2.8	3
25	Zircon geochronology suggests a long-living and active magmatic system beneath the Ciomadul volcanic dome field (eastern-central Europe). <i>Earth and Planetary Science Letters</i> , 2021 , 565, 116965	5.3	3
24	Geochemistry, U-Pb geochronology, and Sr-Nd-Hf isotope systematics of a SW-NE transect in the southern Peninsular Ranges batholith, Mexico: Cretaceous magmatism developed on a juvenile island-arc crust. <i>Lithos</i> , 2021 , 400-401, 106375	2.9	3
23	Sensitive and rapid oxygen isotopic analysis of nephrite jade using large-geometry SIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 561-569	3.7	2
22	Multimethod U-Pb baddeleyite dating: insights from the Spread Eagle Intrusive Complex and Cape St. Mary's sills, Newfoundland, Canada. <i>Geochronology</i> , 2020 , 2, 187-208	3.8	2
21	Late Silurian zircon U-Pb ages from the Ludlow and Downton bone beds, Welsh Basin, UK. <i>Journal of the Geological Society</i> , 2021 , 178, jgs2020-107	2.7	2
20	Geologic controls on the Muara Laboh geothermal system, Sumatra, Indonesia. <i>Geothermics</i> , 2019 , 82, 97-120	4.3	1
19	Geochronology and geochemistry of subducted Cadomian continental basement in central Iran: Decompressional anatexis along the Jurassic Neotethys margin. <i>Gondwana Research</i> , 2020 , 82, 354-366	5.1	1
18	Age of Obsidian Butte in Imperial County, California, Through Infrared Stimulated Luminescence Dating of Potassium Feldspar from Tuffaceous Sediment. <i>California Archaeology</i> , 2019 , 11, 5-20	0.1	1
17	Catastrophic Caldera-Forming (CCF) Monotonous Silicic Magma Reservoirs: Constraints from Volatiles in Melt Inclusions from the 3.49 Ma Tara Supereruption, Guacha II Caldera, SW Bolivia. <i>Journal of Petrology</i> , 2017 , 58, 2115-2142	3.9	1
16	Quantification of excess ²³¹ Pa in late Quaternary igneous baddeleyite. <i>American Mineralogist</i> , 2020 , 105, 1830-1840	2.9	1
15	Shallow subaqueous to emergent intra-caldera silicic volcanism of the Motuoapa Peninsula, Taupo Volcanic Zone, New Zealand [New constraints from geologic mapping, sedimentology and zircon geochronology. <i>Journal of Volcanology and Geothermal Research</i> , 2021 , 411, 107180	2.8	1
14	Early Cretaceous mafic-intermediate dykes in the Dabie orogen as indicators for post-collisional lithosphere removal. <i>Lithos</i> , 2021 , 388-389, 106065	2.9	1
13	Zircon and Melt Extraction From a Long-Lived and Vertically Extensive Magma System Underneath Ilopango Caldera (El Salvador). <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009507	3.6	1
12	Zircon geochronology and O-Hf isotopes of Cappadocian ignimbrites: New insights into continental crustal architecture underneath the Central Anatolian Volcanic Province, Turkey. <i>Gondwana Research</i> , 2021 , 91, 166-187	5.1	1

11	Record and provenance of Pleistocene volcanoclastic turbidites from the central Lesser Antilles (IODP Expedition 340, Site U1398B). <i>Marine Geology</i> , 2021 , 438, 106536	3.3	1
10	Lithium distribution and isotopic composition in zircon megacrysts as constraints for their mantle origin and volcanic transfer timescales. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 313, 173-194	5.5	1
9	Natural Trap Cave tephra correlation to Yellowstone using U-series (230Th/238U) dates and oxygen isotopes of zircon and chemical composition of adherent glass. <i>Quaternary International</i> , 2022 ,	2	1
8	Natural blue zircon from Vesuvius. <i>Mineralogy and Petrology</i> , 2021 , 115, 21-36	1.6	0
7	Petrogenesis of peraluminous magmas in the Central Andean backarc: the Huayra Huasi Volcanic Complex, NW Argentina. <i>International Journal of Earth Sciences</i> , 1	2.2	0
6	Zircon as a recorder of contrasting magma recharge and eruptive recurrence patterns. <i>Earth and Planetary Science Letters</i> , 2021 , 571, 117104	5.3	0
5	Considerations for double-dating zircon in secular disequilibrium with protracted crystallisation histories. <i>Chemical Geology</i> , 2021 , 581, 120408	4.2	0
4	Monazite as a control on Th/U in magmatic zircon. <i>Chemical Geology</i> , 2022 , 120911	4.2	0
3	Zircon in sak lu'um: Evidence of multiple Eocene silicic tephra layers as palygorskite precursors in the Yucat� peninsula, Mexico. <i>Journal of South American Earth Sciences</i> , 2019 , 93, 394-411 ²		
2	Was Isotope verraten. <i>Nachrichten Aus Der Chemie</i> , 2010 , 58, 1109-1114	0.1	
1	Repeated extraction of aphyric melts in a rhyolitic system revealed by zircon age and composition: The Ramadas Volcanic Centre (Puna plateau), NW Argentina. <i>Lithos</i> , 2021 , 392-393, 106141	2.9	