

Axel K Schmitt

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.

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	Natural Trap Cave tephra correlation to Yellowstone using U-series ($^{230}\text{Th}/^{238}\text{U}$) dates and oxygen isotopes of zircon and chemical composition of adherent glass. <i>Quaternary International</i> , 2022 ,	2	1
207	Monazite as a control on Th/U in magmatic zircon. <i>Chemical Geology</i> , 2022 , 120911	4.2	0
206	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
205	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
204	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
203	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
202	Sequence modeling in zircon double-dating of early Holocene Mt. Erciyes domes (Central Anatolia). <i>Quaternary Geochronology</i> , 2021 , 61, 101129	2.7	5
201	Natural blue zircon from Vesuvius. <i>Mineralogy and Petrology</i> , 2021 , 115, 21-36	1.6	0
200	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
199	A history of violence: magma incubation, timing and tephra distribution of the Los Chocoyos supereruption (Atitlán Caldera, Guatemala). <i>Journal of Quaternary Science</i> , 2021 , 36, 169-179	2.3	5
198	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
197	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	
196	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
195	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
194	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
193	Considerations for double-dating zircon in secular disequilibrium with protracted crystallisation histories. <i>Chemical Geology</i> , 2021 , 581, 120408	4.2	0
192	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

191	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
190	Determining the current size and state of subvolcanic magma reservoirs. <i>Nature Communications</i> , 2020 , 11, 5477	17.4	6
189	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
188	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
187	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
186	Fingerprinting the Late Pleistocene tephra of Ciomadul volcano, eastern-central Europe. <i>Journal of Quaternary Science</i> , 2020 , 35, 232-244	2.3	7
185	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
184	Quantification of excess ²³¹ Pa in late Quaternary igneous baddeleyite. <i>American Mineralogist</i> , 2020 , 105, 1830-1840	2.9	1
183	U-Th disequilibrium, (U-Th)/He and ⁴⁰ Ar/ ³⁹ Ar geochronology of distal Nisyros Kyra tephra deposits on Datça peninsula (SW Anatolia). <i>Quaternary Geochronology</i> , 2020 , 55, 101033	2.7	5
182	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
181	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
180	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
179	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
178	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
177	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
176	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
175	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
174	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

173	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
172	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
171	Geologic controls on the Muara Laboh geothermal system, Sumatra, Indonesia. <i>Geothermics</i> , 2019 , 82, 97-120	4.3	1
170	Volcanic eruption eye-witnessed and recorded by prehistoric humans. <i>Quaternary Science Reviews</i> , 2019 , 212, 187-198	3.9	6
169	Intrusive reawakening of El Chichón volcano prior to its Holocene eruptive hyperactivity. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 377, 53-68	2.8	3
168	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
167	Zircon in sak lu'um: Evidence of multiple Eocene silicic tephra layers as palygorskite precursors in the Yucatán peninsula, Mexico. <i>Journal of South American Earth Sciences</i> , 2019 , 93, 394-411 ²		
166	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
165	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
164	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
163	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
162	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
161	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
160	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
159	Ages and glass compositions for paired large-volume eruptions from the Acigöl volcanic complex, Cappadocia (Turkey). <i>Mediterranean Geoscience Reviews</i> , 2019 , 1, 167-178	2.1	5
158	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
157	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
156	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

155	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
154	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
153	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
152	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
151	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
150	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
149	Post-supereruption recovery at Toba Caldera. <i>Nature Communications</i> , 2017 , 8, 15248	17.4	25
148	Secondary Ionization Mass Spectrometry Analysis in Petrochronology. <i>Reviews in Mineralogy and Geochemistry</i> , 2017 , 83, 199-230	7.1	24
147	Post-caldera Volcanism at the Heise Volcanic Field: Implications for Petrogenetic Models. <i>Journal of Petrology</i> , 2017 , 58, 115-136	3.9	20
146	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
145	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
144	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
143	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
142	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
141	Catastrophic Caldera-Forming (CCF) Monotonous Silicic Magma Reservoirs: Constraints from Volatiles in Melt Inclusions from the 3749 Ma Tara Supereruption, Guacha II Caldera, SW Bolivia. <i>Journal of Petrology</i> , 2017 , 58, 2115-2142	3.9	1
140	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
139	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
138	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

137	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
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	Voluminous plutonism during volcanic quiescence revealed by thermochemical modeling of zircon. <i>Geology</i> , 2016 , 44, 683-686	5	40
128	Variable microstructural response of baddeleyite to shock metamorphism in young basaltic shergottite NWA 5298 and improved U-Pb dating of Solar System events. <i>Earth and Planetary Science Letters</i> , 2016 , 444, 1-12	5.3	37
127	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
126	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
125	U-Th-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
124	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
123	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
122	Hydrothermal alteration and melting of the crust during the Columbia River Basalt-Snake River Plain transition and the origin of low- $\delta^{18}\text{O}$ rhyolites of the central Snake River Plain. <i>Lithos</i> , 2015 , 224-225, 310-323	2.9	25
121	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
120	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

119	Constraints on the timing of Quaternary volcanism and duration of magma residence at Ciomadul volcano, east-central Europe, from combined U ²³⁵ /He and U ²³⁸ /He zircon geochronology. <i>Journal of Volcanology and Geothermal Research</i> , 2015 , 301, 66-80	2.8	42
118	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
117	The origin and significance of crustal minerals in ophiolitic chromitites and peridotites. <i>Gondwana Research</i> , 2015 , 27, 486-506	5.1	116
116	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
115	In-situ oxygen isotope and trace element geothermometry of rutiled quartz from Alpine fissures. <i>American Mineralogist</i> , 2015 , 100, 915-925	2.9	15
114	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
113	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
112	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
111	Field and microanalytical isotopic investigation of ultradepleted in ¹⁸ O Paleoproterozoic Bushball Earth rocks from Karelia, Russia 2014 , 10, 308-339		35
110	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
109	Linking rapid magma reservoir assembly and eruption trigger mechanisms at evolved Yellowstone-type supervolcanoes. <i>Geology</i> , 2014 , 42, 807-810	5	75
108	Zircon growth in (U)HP quartz-feldspathic host gneisses exhumed in the Woodlark Rift of Papua New Guinea. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 1258-1282	3.6	8
107	Late Pleistocene zircon ages for intracaldera domes at Gök (Isparta, Turkey). <i>Journal of Volcanology and Geothermal Research</i> , 2014 , 286, 24-29	2.8	13
106	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
105	Volcanic ash provenance from zircon dust with an application to Maya pottery. <i>Geology</i> , 2014 , 42, 595-598		9
104	U ²³⁵ /B 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
103	Vestiges of the proto-Caribbean seaway: Origin of the San Souci Volcanic Group, Trinidad. <i>Tectonophysics</i> , 2014 , 626, 170-185	3.1	7
102	Isotopic links between atmospheric chemistry and the deep sulphur cycle on Mars. <i>Nature</i> , 2014 , 508, 364-8	50.4	75

101	Identifying the volcanic eruption depicted in a neolithic painting at Etahly ^{Etahly} , Central Anatolia, Turkey. <i>PLoS ONE</i> , 2014 , 9, e84711	3.7	49
100	Quaternary bimodal volcanism in the Niße Volcanic Complex (Cappadocia, central Anatolia, Turkey): age, petrogenesis and geodynamic implications. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 168, 1	3.5	42
99	^{238U} / ^{30Th} dating of chevkinite in high-silica rhyolites from La Primavera and Yellowstone calderas. <i>Chemical Geology</i> , 2014 , 390, 109-118	4.2	10
98	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
97	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
96	Solving the Martian meteorite age conundrum using micro-baddeleyite and launch-generated zircon. <i>Nature</i> , 2013 , 499, 454-7	5.4	68
95	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
94	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
93	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
92	Reduced, reused and recycled: Detrital zircons define a maximum age for the Eoarchean (ca. 3750-3780 Ma) Nuvvuagittuq Supracrustal Belt, Québec (Canada). <i>Earth and Planetary Science Letters</i> , 2013 , 362, 283-293	5.3	52
91	Zircon saturation re-revisited. <i>Chemical Geology</i> , 2013 , 351, 324-334	4.2	597
90	Zircon growth and recrystallization during progressive metamorphism, Barrovian zones, Scotland. <i>American Mineralogist</i> , 2013 , 98, 219-230	2.9	26
89	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
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	Jurassic accretionary complex and ophiolite from northeast Turkey: No evidence for the Cimmerian continental ribbon. <i>Geology</i> , 2013 , 41, 255-258	5	119
86	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
85	(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
84	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

83	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
82	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
81	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
80	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
79	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
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