

# Urs Schaltegger

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9290534/urs-schaltegger-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

145  
papers

23,180  
citations

58  
h-index

152  
g-index

163  
ext. papers

25,356  
ext. citations

4.4  
avg, IF

7.44  
L-index

#	Paper	IF	Citations
145	The driving mechanisms of the carbon cycle perturbations in the late Pliensbachian (Early Jurassic). <i>Scientific Reports</i> , <b>2019</b> , 9, 18430	4.9	8811
144	Plešvice zircon: A new natural reference material for U/Pb and Hf isotopic microanalysis. <i>Chemical Geology</i> , <b>2008</b> , 249, 1-35	4.2	2862
143	The Composition of Zircon and Igneous and Metamorphic Petrogenesis. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2003</b> , 53, 27-62	7.1	2485
142	Re-equilibration of Zircon in Aqueous Fluids and Melts. <i>Elements</i> , <b>2007</b> , 3, 43-50	3.8	535
141	Growth, annealing and recrystallization of zircon and preservation of monazite in high-grade metamorphism: conventional and in-situ U-Pb isotope, cathodoluminescence and microchemical evidence. <i>Contributions To Mineralogy and Petrology</i> , <b>1999</b> , 134, 186-201	3.5	504
140	Correlating the end-Triassic mass extinction and flood basalt volcanism at the 100 ka level. <i>Geology</i> , <b>2010</b> , 38, 387-390	5	301
139	Timing of the Early Triassic carbon cycle perturbations inferred from new U/Pb ages and ammonoid biochronozones. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 258, 593-604	5.3	201
138	New Early to Middle Triassic U/Pb ages from South China: Calibration with ammonoid biochronozones and implications for the timing of the Triassic biotic recovery. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 243, 463-475	5.3	186
137	The Bushveld Complex was emplaced and cooled in less than one million years: results of zirconology, and geotectonic implications. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 418, 103-114	5.3	181
136	Tracking the evolution of large-volume silicic magma reservoirs from assembly to supereruption. <i>Geology</i> , <b>2013</b> , 41, 867-870	5	172
135	U-Pb geochronologic evidence for the evolution of the Gondwanan margin of the north-central Andes. <i>Bulletin of the Geological Society of America</i> , <b>2007</b> , 119, 697-711	3.9	168
134	Magmatic-to-hydrothermal crystallization in the W/Sn mineralized Mole Granite (NSW, Australia). <i>Chemical Geology</i> , <b>2005</b> , 220, 191-213	4.2	165
133	Incremental growth of the Patagonian Torres del Paine laccolith over 90 k.y. <i>Geology</i> , <b>2008</b> , 36, 459	5	163
132	Pre-Mesozoic Alpine basements: their place in the European Paleozoic framework. <i>Bulletin of the Geological Society of America</i> , <b>2013</b> , 125, 89-108	3.9	161
131	Refertilization of mantle peridotite in embryonic ocean basins: trace element and Nd isotopic evidence and implications for crust-mantle relationships. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 221, 293-308	5.3	156
130	Zircon and titanite recording 1.5 million years of magma accretion, crystallization and initial cooling in a composite pluton (southern Adamello batholith, northern Italy). <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 286, 208-218	5.3	152
129	U/Pb age constraints on deposition and provenance of Birimian and gold-bearing Tarkwaian sediments in Ghana, West Africa. <i>Precambrian Research</i> , <b>1994</b> , 67, 89-107	3.9	152

128	U <sup>381</sup> Th <sup>137</sup> Pb zircon geochronology by ID-TIMS, SIMS, and laser ablation ICP-MS: Recipes, interpretations, and opportunities. <i>Chemical Geology</i> , <b>2015</b> , 402, 89-110	4.2	148
127	How Accurately Can We Date the Duration of Magmatic-Hydrothermal Events in Porphyry Systems?—An Invited Paper. <i>Economic Geology</i> , <b>2013</b> , 108, 565-584	4.3	145
126	End-Triassic mass extinction started by intrusive CAMP activity. <i>Nature Communications</i> , <b>2017</b> , 8, 15596	17.4	142
125	Rates of magma differentiation and emplacement in a ballooning pluton recorded by U <sup>381</sup> Pb TIMS-TEA, Adamello batholith, Italy. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 355-356, 162-173	5.3	140
124	Precise U <sup>381</sup> Pb age constraints for end-Triassic mass extinction, its correlation to volcanism and Hettangian post-extinction recovery. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 267, 266-275	5.3	140
123	Crustal-scale magmatic systems during intracontinental strike-slip tectonics: U, Pb and Hf isotopic constraints from Permian magmatic rocks of the Southern Alps. <i>International Journal of Earth Sciences</i> , <b>2007</b> , 96, 1131-1151	2.2	126
122	Towards accurate numerical calibration of the Late Triassic: High-precision U-Pb geochronology constraints on the duration of the Rhaetian. <i>Geology</i> , <b>2014</b> , 42, 571-574	5	119
121	Evaluating the temporal link between the Karoo LIP and climatic/biologic events of the Toarcian Stage with high-precision U <sup>381</sup> Pb geochronology. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 408, 48-56	5.3	115
120	The transition from rifting to sea-floor spreading within a magma-poor rifted margin: field and isotopic constraints. <i>Terra Nova</i> , <b>2002</b> , 14, 156-162	3	111
119	High temperature (>350°C) thermochronology and mechanisms of Pb loss in apatite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 127, 39-56	5.5	110
118	U <sup>381</sup> Pb zircon and monazite geochronology of Variscan magmatism related to syn-convergence extension in Central Northern Portugal. <i>Lithos</i> , <b>2005</b> , 82, 169-184	2.9	103
117	Detrital zircon fingerprint of the Proto-Andes: Evidence for a Neoproterozoic active margin?. <i>Precambrian Research</i> , <b>2008</b> , 167, 186-200	3.9	102
116	Hydrothermal Zircon. <i>Elements</i> , <b>2007</b> , 3, 51-79	3.8	99
115	Time resolved construction of a bimodal laccolith (Torres del Paine, Patagonia). <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 325-326, 85-92	5.3	97
114	Multiple mantle sources during island arc magmatism: U <sup>381</sup> Pb and Hf isotopic evidence from the Kohistan arc complex, Pakistan. <i>Terra Nova</i> , <b>2002</b> , 14, 461-468	3	97
113	New high-resolution age data from the Ediacaran/Cambrian boundary indicate rapid, ecologically driven onset of the Cambrian explosion. <i>Terra Nova</i> , <b>2019</b> , 31, 49-58	3	94
112	Age and isotopic constraints on magmatism along the Karakoram-Kohistan Suture Zone, NW Pakistan: evidence for subduction and continued convergence after India-Asia collision. <i>Swiss Journal of Geosciences</i> , <b>2007</b> , 100, 85-107	2.1	92
111	Evolution of the Adria-Europe plate boundary in the northern Dinarides: From continent-continent collision to back-arc extension. <i>Tectonics</i> , <b>2010</b> , 29, n/a-n/a	4.3	91

110	Tectonomagmatic evolution of Western Amazonia: Geochemical characterization and zircon U-Pb geochronologic constraints from the Peruvian Eastern Cordilleran granitoids. <i>Bulletin of the Geological Society of America</i> , <b>2009</b> , 121, 1298-1324	3.9	91
109	Magma pulses in the Central Variscan Belt: episodic melt generation and emplacement during lithospheric thinning. <i>Terra Nova</i> , <b>1997</b> , 9, 242-245	3	88
108	Crustal growth along a non-collisional cratonic margin: A Lu/Hf isotopic survey of the Eastern Cordilleran granitoids of Peru. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 279, 303-315	5.3	87
107	The age and source of late Hercynian magmatism in the central Alps: evidence from precise U/Bb ages and initial Hf isotopes. <i>Contributions To Mineralogy and Petrology</i> , <b>1992</b> , 111, 329-344	3.5	83
106	Zircon ages of high-grade gneisses in the Eastern Erzgebirge (Central European Variscides) constraints on origin of the rocks and Precambrian to Ordovician magmatic events in the Variscan foldbelt. <i>Lithos</i> , <b>2001</b> , 56, 303-332	2.9	79
105	Rapid burial and exhumation during orogeny: Thickening and synconvergent exhumation of thermally weakened and thinned crust (Variscan orogen in Western Europe). <i>Numerische Mathematik</i> , <b>2002</b> , 302, 856-879	5.3	79
104	Rapid heterogeneous assembly of multiple magma reservoirs prior to Yellowstone supereruptions. <i>Scientific Reports</i> , <b>2015</b> , 5, 14026	4.9	78
103	Linking rapid magma reservoir assembly and eruption trigger mechanisms at evolved Yellowstone-type supervolcanoes. <i>Geology</i> , <b>2014</b> , 42, 807-810	5	75
102	The current state and future of accessory mineral research. <i>Chemical Geology</i> , <b>2002</b> , 191, 3-24	4.2	75
101	What is the tectono-metamorphic evolution of continental break-up: The example of the Tasna Ocean-Continent Transition. <i>Journal of Structural Geology</i> , <b>2006</b> , 28, 1849-1869	3	74
100	Post-granulite facies monazite growth and rejuvenation during Permian to Lower Jurassic thermal and fluid events in the Ivrea Zone (Southern Alps). <i>Contributions To Mineralogy and Petrology</i> , <b>1999</b> , 134, 405-414	3.5	74
99	A new method integrating high-precision U/Bb geochronology with zircon trace element analysis (U/Bb TIMS-TEA). <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 7144-7159	5.5	73
98	Geochronological constraints on post-extinction recovery of the ammonoids and carbon cycle perturbations during the Early Jurassic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 346-347, 1-11	2.9	71
97	Lower crustal melting and the role of open-system processes in the genesis of syn-orogenic quartz diorite-granite-leucogranite associations: constraints from Sr/Nd isotopes from the Bantombaa Complex, Namibia. <i>Lithos</i> , <b>2003</b> , 67, 205-226	2.9	69
96	Precise UPb chronometry of 345-340 Ma old magmatism related to syn-convergence extension in the Southern Vosges (Central Variscan Belt). <i>Earth and Planetary Science Letters</i> , <b>1996</b> , 144, 403-419	5.3	67
95	Neodymium and strontium isotopic dating of diagenesis and low-grade metamorphism of argillaceous sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>1994</b> , 58, 1471-1481	5.5	67
94	No evidence for Hadean continental crust within Earth's oldest evolved rock unit. <i>Nature Geoscience</i> , <b>2016</b> , 9, 777-780	18.3	66
93	Late Cretaceous intra-oceanic magmatism in the internal Dinarides (northern Bosnia and Herzegovina): Implications for the collision of the Adriatic and European plates. <i>Lithos</i> , <b>2009</b> , 108, 106-125	2.9	66

92	Characterisation of Triassic rifting in Peru and implications for the early disassembly of western Pangaea. <i>Gondwana Research</i> , <b>2016</b> , 35, 124-143	5.1	66
91	Developing a strategy for accurate definition of a geological boundary through radio-isotopic and biochronological dating: The EarlyMiddle Triassic boundary (South China). <i>Earth-Science Reviews</i> , <b>2015</b> , 146, 65-76	10.2	64
90	Magmatic-to-hydrothermal crystallization in the WSn mineralized Mole Granite (NSW, Australia). <i>Chemical Geology</i> , <b>2005</b> , 220, 215-235	4.2	64
89	Zircons reveal magma fluxes in the Earth's crust. <i>Nature</i> , <b>2014</b> , 511, 457-61	50.4	59
88	Cenozoic granitoids in the Dinarides of southern Serbia: age of intrusion, isotope geochemistry, exhumation history and significance for the geodynamic evolution of the Balkan Peninsula. <i>International Journal of Earth Sciences</i> , <b>2011</b> , 100, 1181-1206	2.2	58
87	Petrochronology of Zircon and Baddeleyite in Igneous Rocks: Reconstructing Magmatic Processes at High Temporal Resolution. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2017</b> , 83, 297-328	7.1	55
86	New constraints on the JurassicCretaceous boundary in the High Andes using high-precision UPb data. <i>Gondwana Research</i> , <b>2014</b> , 26, 374-385	5.1	55
85	The data treatment dependent variability of UPb zircon ages obtained using mono-collector, sector field, laser ablation ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2012</b> , 27, 663	3.7	55
84	High-precision dating of the Kalkarindji large igneous province, Australia, and synchrony with the EarlyMiddle Cambrian (Stage 4B) extinction. <i>Geology</i> , <b>2014</b> , 42, 543-546	5	53
83	Precise age for the PermianTriassic boundary in South China from high-precision U-Pb geochronology and Bayesian age-depth modeling. <i>Solid Earth</i> , <b>2017</b> , 8, 361-378	3.3	52
82	UPb geochronology of the Southern Black Forest Batholith (Central Variscan Belt): timing of exhumation and granite emplacement. <i>International Journal of Earth Sciences</i> , <b>2000</b> , 88, 814-828	2.2	51
81	Mesozoic arc magmatism along the southern Peruvian margin during Gondwana breakup and dispersal. <i>Lithos</i> , <b>2012</b> , 146-147, 48-64	2.9	50
80	High-resolution insights into episodes of crystallization, hydrothermal alteration and remelting in the Skaergaard intrusive complex. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 355-356, 199-212	5.3	48
79	Two types of ultrapotassic plutonic rocks in the Bohemian Massif [Coeval intrusions at different crustal levels. <i>Lithos</i> , <b>2010</b> , 115, 163-176	2.9	48
78	Timing of juvenile arc crust formation and evolution in the Sapat Complex (KohistanPakistan). <i>Chemical Geology</i> , <b>2011</b> , 280, 243-256	4.2	47
77	High-precision zircon UPb geochronology of astronomically dated volcanic ash beds from the Mediterranean Miocene. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 407, 19-34	5.3	46
76	UPb, ReOs, and 40Ar/39Ar geochronology of the Nambija Au-skarn and Panguí porphyry Cu deposits, Ecuador: implications for the Jurassic metallogenic belt of the Northern Andes. <i>Mineralium Deposita</i> , <b>2009</b> , 44, 371-387	4.8	46
75	The Central Aar Granite: Highly differentiated calc-alkaline magmatism in the Aar Massif (Central Alps, Switzerland). <i>European Journal of Mineralogy</i> , <b>1990</b> , 2, 245-260	2.2	46

74	Syn-convergent high-temperature metamorphism and magmatism in the Variscides: a discussion of potential heat sources. <i>Geological Society Special Publication</i> , <b>2000</b> , 179, 387-399	1.7	44
73	Disentangling the Hettangian carbon isotope record: Implications for the aftermath of the end-Triassic mass extinction. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13, n/a-n/a	3.6	43
72	EOCENE ZIRCON REFERENCE MATERIAL FOR MICROANALYSIS OF U-Th-Pb ISOTOPES AND TRACE ELEMENTS. <i>Canadian Mineralogist</i> , <b>2014</b> , 52, 409-421	0.7	41
71	Late Variscan Magmatic Evolution of the Alpine Basement <b>1993</b> , 171-201		40
70	Late Variscan Basin and Range magmatism and tectonics in the Central Alps: evidence from U-Pb geochronology. <i>Geodinamica Acta</i> , <b>1995</b> , 8, 82-98	2	40
69	Timing of incremental pluton construction and magmatic activity in a back-arc setting revealed by ID-TIMS U/Pb and Hf isotopes on complex zircon grains. <i>Chemical Geology</i> , <b>2013</b> , 342, 76-93	4.2	38
68	Model of successive granite sheet emplacement in transtensional setting: Integrated microstructural and anisotropy of magnetic susceptibility study. <i>Tectonics</i> , <b>2007</b> , 26, n/a-n/a	4.3	38
67	The evolution of the polymetamorphic basement in the Central Alps unravelled by precise U-Pb zircon dating. <i>Contributions To Mineralogy and Petrology</i> , <b>1993</b> , 113, 466-478	3.5	38
66	Timing of global regression and microbial bloom linked with the Permian-Triassic boundary mass extinction: implications for driving mechanisms. <i>Scientific Reports</i> , <b>2017</b> , 7, 43630	4.9	37
65	Zircon U-Pb geochronology of Ordovician magmatism in the polycyclic Ruitor Massif (Internal W Alps). <i>International Journal of Earth Sciences</i> , <b>2002</b> , 91, 964-978	2.2	37
64	Bracketing the Age of Magmatic-Hydrothermal Activity at the Cerro de Pasco Epithermal Polymetallic Deposit, Central Peru: A U-Pb and <sup>40</sup> Ar/ <sup>39</sup> Ar Study. <i>Economic Geology</i> , <b>2009</b> , 104, 479-504	4.3	36
63	Thermal erosion of cratonic lithosphere as a potential trigger for mass-extinction. <i>Scientific Reports</i> , <b>2016</b> , 6, 23168	4.9	35
62	Megacrystic zircon with planar fractures in miaskite-type nepheline pegmatites formed at high pressures in the lower crust (Ivrea Zone, southern Alps, Switzerland). <i>American Mineralogist</i> , <b>2015</b> , 100, 83-94	2.9	33
61	Geology, Geochronology, and Hf and Pb Isotope Data of the Raul-Condestable Iron Oxide-Copper-Gold Deposit, Central Coast of Peru. <i>Economic Geology</i> , <b>2006</b> , 101, 281-310	4.3	33
60	Geochemical Constraints Provided by the Freetown Layered Complex (Sierra Leone) on the Origin of High-Ti Tholeiitic CAMP Magmas. <i>Journal of Petrology</i> , <b>2017</b> , 58, 1811-1840	3.9	32
59	Precisely dating the Frasnian-Famennian boundary: implications for the cause of the Late Devonian mass extinction. <i>Scientific Reports</i> , <b>2018</b> , 8, 9578	4.9	32
58	Neoproterozoic glaciation in the Proto-Andes: Tectonic implications and global correlation. <i>Geology</i> , <b>2007</b> , 35, 1095	5	31
57	Calibrating chemical abrasion: Its effects on zircon crystal structure, chemical composition and U Pb age. <i>Chemical Geology</i> , <b>2019</b> , 511, 1-10	4.2	31



56	Contrasting magma types and timing of intrusion in the Permian layered mafic complex of Mont Collon (Western Alps, Valais, Switzerland): evidence from U/Pb zircon and $^{40}\text{Ar}/^{39}\text{Ar}$ amphibole dating. <i>Swiss Journal of Geosciences</i> , <b>2007</b> , 100, 125-135	2.1	30
55	Formation of intra-arc volcanosedimentary basins in the western flank of the central Peruvian Andes during Late Cretaceous oblique subduction: field evidence and constraints from U/Pb ages and Hf isotopes. <i>International Journal of Earth Sciences</i> , <b>2005</b> , 94, 231-242	2.2	30
54	Dating the Paleoproterozoic snowball Earth glaciations using contemporaneous subglacial hydrothermal systems. <i>Geology</i> , <b>2017</b> , 45, 667-670	5	27
53	U-Pb zircon age of volcanoclastic layers in Middle Triassic platform carbonates of the Austroalpine Silvretta nappe (Switzerland). <i>Swiss Journal of Geosciences</i> , <b>2008</b> , 101, 595-603	2.1	27
52	The fate of zircon during UHT/HP metamorphism: isotopic (U/Pb, $\delta^{18}\text{O}$ , Hf) and trace element constraints. <i>Journal of Metamorphic Geology</i> , <b>2016</b> , 34, 719-739	4.4	27
51	Climate control on banded iron formations linked to orbital eccentricity. <i>Nature Geoscience</i> , <b>2019</b> , 12, 369-374	18.3	26
50	Dating multiply overprinted granites: The effect of protracted magmatism and fluid flow on dating systems (zircon U-Pb: SHRIMP/SIMS, LA-ICP-MS, CA-ID-TIMS; and Rb/Sr, Ar/Ar) (Granites from the Western Erzgebirge (Bohemian Massif, Germany). <i>Chemical Geology</i> , <b>2019</b> , 519, 11-38	4.2	24
49	Linking the thermal evolution and emplacement history of an upper-crustal pluton to its lower-crustal roots using zircon geochronology and geochemistry (southern Adamello batholith, N. Italy). <i>Contributions To Mineralogy and Petrology</i> , <b>2015</b> , 170, 1	3.5	24
48	K/Ar systematics of clay-to-mica minerals in a multi-stage low-grade metamorphic evolution. <i>Chemical Geology</i> , <b>1995</b> , 124, 305-316	4.2	24
47	The isotopic evolution of the Kohistan Ladakh arc from subduction initiation to continent arc collision. <i>Geological Society Special Publication</i> , <b>2019</b> , 483, 165-182	1.7	24
46	Zircon petrochronology reveals the timescale and mechanism of anatectic magma formation. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 495, 213-223	5.3	24
45	Early Cambrian oceanic plagiogranite in the Silvretta Nappe, eastern Alps: geochemical, zircon U-Pb and Rb-Sr data from garnet-hornblende-plagioclase gneisses. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , <b>1996</b> , 85, 822-831		23
44	Late Paleozoic to Jurassic chronostratigraphy of coastal southern Peru: Temporal evolution of sedimentation along an active margin. <i>Journal of South American Earth Sciences</i> , <b>2013</b> , 47, 179-200	2	22
43	A Hf-isotope perspective on continent formation in the south Peruvian Andes. <i>Geological Society Special Publication</i> , <b>2015</b> , 389, 305-321	1.7	22
42	The mafic-ultramafic rock association of Loderio-Biasca (lower Pennine nappes, Ticino, Switzerland): Cambrian oceanic magmatism and its bearing on early Paleozoic paleogeography. <i>Chemical Geology</i> , <b>2002</b> , 186, 265-279	4.2	22
41	Zircon Petrochronology and $^{40}\text{Ar}/^{39}\text{Ar}$ Thermochronology of the Adamello Intrusive Suite, N. Italy: Monitoring the Growth and Decay of an Incrementally Assembled Magmatic System. <i>Journal of Petrology</i> , <b>2019</b> , 60, 701-722	3.9	21
40	High-precision U/Pb ages in the early Tithonian to early Berriasian and implications for the numerical age of the Jurassic-Cretaceous boundary. <i>Solid Earth</i> , <b>2019</b> , 10, 1-14	3.3	21
39	Stability and isotopic dating of monazite and allanite in partially molten rocks: examples from the Central Alps. <i>Swiss Journal of Geosciences</i> , <b>2009</b> , 102, 15-29	2.1	21

38	The age of volcanic tuffs from the Upper Freshwater Molasse (North Alpine Foreland Basin) and their possible use for tephrostratigraphic correlations across Europe for the Middle Miocene. <i>International Journal of Earth Sciences</i> , <b>2018</b> , 107, 387-407	2.2	20
37	Hf isotope analysis of small zircon and baddeleyite grains by conventional Multi Collector-Inductively Coupled Plasma-Mass Spectrometry. <i>Chemical Geology</i> , <b>2016</b> , 433, 12-23	4.2	20
36	Geochronology of a composite granitoid pluton: a high-precision ID-TIMS U <sup>235</sup> B zircon study of the Variscan Karkonosze Granite (SW Poland). <i>International Journal of Earth Sciences</i> , <b>2014</b> , 103, 683-696	2.2	20
35	Post-magmatic resetting of Rb-Sr whole rock ages <sup>87</sup> Rb study in the Central Aar Granite (Central Alps, Switzerland). <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , <b>1990</b> , 79, 709-724		19
34	Experimental evidence for mineral-controlled release of radiogenic Nd, Hf and Pb isotopes from granitic rocks during progressive chemical weathering. <i>Chemical Geology</i> , <b>2019</b> , 507, 64-84	4.2	18
33	Heavy rare-earth element enrichment in granites of the Aar Massif (Central Alps, Switzerland). <i>Chemical Geology</i> , <b>1990</b> , 89, 49-63	4.2	16
32	New high precision U-Pb ages and Hf isotope data from the Karoo large igneous province; implications for pulsed magmatism and early Toarcian environmental perturbations. <i>Results in Geochemistry</i> , <b>2020</b> , 1, 100005	2	15
31	GZ7 and GZ8 - Two Zircon Reference Materials for SIMS U-Pb Geochronology. <i>Geostandards and Geoanalytical Research</i> , <b>2018</b> , 42, 431-457	3.6	15
30	Ammonoid multi-extinction crises during the Late Pliensbachian <sup>1</sup> Toarcian and carbon cycle instabilities <b>2012</b> ,		14
29	Estimates of Volume and Magma Input in Crustal Magmatic Systems from Zircon Geochronology: The Effect of Modeling Assumptions and System Variables. <i>Frontiers in Earth Science</i> , <b>2016</b> , 4,	3.5	14
28	High-precision time-space correlation through coupled apatite and zircon tephrochronology: An example from the Permian-Triassic boundary in South China. <i>Geology</i> , <b>2017</b> , 45, 83-86	5	13
27	Volcanic ash layers in the Upper Cretaceous of the Central Apennines and a numerical age for the early Campanian. <i>International Journal of Earth Sciences</i> , <b>2004</b> , 93, 384-399	2.2	13
26	Rapid eruption of silicic magmas from the Paran <sup>1</sup> magmatic province (Brazil) did not trigger the Valanginian event. <i>Geology</i> , <b>2020</b> , 48, 1174-1178	5	12
25	The ICPMS signal as a Poisson process: a review of basic concepts. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 1297-1321	3.7	11
24	Dynamics of the Largest Carbon Isotope Excursion During the Early Triassic Biotic Recovery. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	11
23	Pluton construction and deformation in the Sveconorwegian crust of SW Norway: Magnetic fabric and U-Pb geochronology of the Kleivan and Sjelset granitic complexes. <i>Precambrian Research</i> , <b>2018</b> , 305, 247-267	3.9	11
22	Lifetime of an ocean island volcano feeder zone: constraints from U <sup>235</sup> B dating on coexisting zircon and baddeleyite, and <sup>40</sup> Ar/ <sup>39</sup> Ar age determinations, Fuerteventura, Canary Islands This article is one of a series of papers published in this Special Issue on the theme of Geochronology in honour of Tom Krogh.. <i>Canadian Journal of Earth Sciences</i> , <b>2011</b> , 48, 567-592	1.5	9
21	Long-term repeatability and interlaboratory reproducibility of high-precision ID-TIMS U-Pb geochronology. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 1466-1477	3.7	9



20	Zircon petrochronology in large igneous provinces reveals upper crustal contamination processes: new U-Pb ages, Hf and O isotopes, and trace elements from the Central Atlantic magmatic province (CAMP). <i>Contributions To Mineralogy and Petrology</i> , <b>2021</b> , 176, 1	3.5	9
19	Comment on "A high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age for the Nördlinger Ries impact crater, Germany, and implications for the accurate dating of terrestrial impact events" by Schmieder et al. ( <i>Geochimica et Cosmochimica Acta</i> 220 (2018) 146-157). <i>Geochimica Et Cosmochimica Acta</i> , <b>2018</b> , 238, 599-601	5.5	7
18	Miocene syn-rift evolution of the North Croatian Basin (Carpathian-Bannonian Region): new constraints from Mts. Kalnik and Požeška gora volcanoclastic record with regional implications. <i>International Journal of Earth Sciences</i> , <b>2020</b> , 109, 2775-2800	2.2	6
17	Timing of K-alkaline magmatism in the Balkan segment of southeast European Variscan edifice: ID-TIMS and LA-ICP-MS study. <i>International Journal of Earth Sciences</i> , <b>2018</b> , 107, 1175-1192	2.2	5
16	Constraining Sinistral Shearing in NW Ireland: A Precise U-Pb Zircon Crystallisation Age for the Ox Mountains Granodiorite. <i>Irish Journal of Earth Sciences</i> , <b>2005</b> , 23, 55-63	2	5
15	Anchoring the Late Devonian mass extinction in absolute time by integrating climatic controls and radio-isotopic dating. <i>Scientific Reports</i> , <b>2020</b> , 10, 12940	4.9	5
14	Detection in LA-ICPMS: construction and performance evaluation of decision rules. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 597-630	3.7	4
13	Response to comment on "Evaluating the temporal link between the Karoo LIP and climatic-biologic events of the Toarcian Stage with high-precision U-Pb geochronology" <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 434, 353-354	5.3	4
12	Precise age for the Permian-Triassic boundary in South China from high precision U-Pb geochronology and Bayesian age-depth modelling <b>2016</b> ,		4
11	The zircon Hf isotope archive of rapidly changing mantle sources in the south Patagonian retro-arc. <i>Bulletin of the Geological Society of America</i> , <b>2019</b> , 131, 587-608	3.9	3
10	New age constraints on the palaeoenvironmental evolution of the late Paleozoic back-arc basin along the western Gondwana margin of southern Peru. <i>Journal of South American Earth Sciences</i> , <b>2018</b> , 82, 165-180	2	3
9	Timing of recovery from the end-Permian extinction: Geochronologic and biostratigraphic constraints from south China: COMMENT AND REPLY: COMMENT. <i>Geology</i> , <b>2007</b> , 35, e135-e135	5	3
8	Comment on "Ultrapotassic magmatism in the heyday of the Variscan Orogeny: the story of the Třebíč Pluton, the largest durbachitic body in the Bohemian Massif" by Janoušek et al. <i>International Journal of Earth Sciences</i> , <b>2021</b> , 110, 1127-1132	2.2	3
7	Karst bauxite formation during Miocene Climatic Optimum (central Dalmatia, Croatia): mineralogical, compositional and geochronological perspectives. <i>International Journal of Earth Sciences</i> , <b>2021</b> , 110, 2899	2.2	3
6	10. Petrochronology of Zircon and Baddeleyite in Igneous Rocks: Reconstructing Magmatic Processes at High Temporal Resolution <b>2017</b> ,		2
5	Local melt contamination and global climate impact: Dating the emplacement of Karoo LIP sills into organic-rich shale. <i>Earth and Planetary Science Letters</i> , <b>2022</b> , 579, 117371	5.3	2
4	Mass spectrometry in Earth sciences: the precise and accurate measurement of time. <i>Chimia</i> , <b>2014</b> , 68, 124-8	1.3	1
3	The Lithospheric Mantle Beneath Central Europe: Nd Isotopic Constraints for Its Late Proterozoic Enrichment and Implications for Early Crustal Evolution. <i>Geophysical Monograph Series</i> , <b>2013</b> , 269-276	1.1	1

2 Cross-continental age calibration of the Jurassic/Cretaceous boundary **2018**, 1

1 The importance of high precision in the evaluation of U-Pb zircon age spectra. *Chemical Geology*, **2022**, 120913 4.2 0