

Lothar Ratschbacher

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2375494/lothar-ratschbacher-publications-by-citations.pdf>

Version: 2024-04-20

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.

148
papers

10,114
citations

50
h-index

99
g-index

161
ext. papers

11,074
ext. citations

4.4
avg, IF

5.69
L-index

#	Paper	IF	Citations
148	U/Pb zircon ages constrain the architecture of the ultrahigh-pressure Qinling-Dabie Orogen, China. <i>Earth and Planetary Science Letters</i> , 1998 , 161, 215-230	5.3	744
147	Tectonics of the Qinling (Central China): tectonostratigraphy, geochronology, and deformation history. <i>Tectonophysics</i> , 2003 , 366, 1-53	3.1	654
146	Lateral extrusion in the eastern Alps, Part 2: Structural analysis. <i>Tectonics</i> , 1991 , 10, 257-271	4.3	581
145	Exhumation of ultrahigh-pressure continental crust in east central China: Late Triassic-Early Jurassic tectonic unroofing. <i>Journal of Geophysical Research</i> , 2000 , 105, 13339-13364		500
144	Distributed deformation in southern and western Tibet during and after the India-Asia collision. <i>Journal of Geophysical Research</i> , 1994 , 99, 19917-19945		341
143	Normal faulting in central Tibet since at least 13.5 Myr ago. <i>Nature</i> , 2001 , 412, 628-32	50.4	319
142	Exhumation of the ultrahigh-pressure continental crust in east central China: Cretaceous and Cenozoic unroofing and the Tan-Lu fault. <i>Journal of Geophysical Research</i> , 2000 , 105, 13303-13338		285
141	Lateral extrusion in the eastern Alps, Part 1: Boundary conditions and experiments scaled for gravity. <i>Tectonics</i> , 1991 , 10, 245-256	4.3	273
140	Hot and dry deep crustal xenoliths from Tibet. <i>Science</i> , 2000 , 287, 2463-6	33.3	243
139	Extension in compressional orogenic belts: The eastern Alps. <i>Geology</i> , 1989 , 17, 404	5	239
138	Assembly of the Pamirs: Age and origin of magmatic belts from the southern Tien Shan to the southern Pamirs and their relation to Tibet. <i>Tectonics</i> , 2004 , 23, n/a-n/a	4.3	236
137	High-temperature geochronology constraints on the tectonic history and architecture of the ultrahigh-pressure Dabie-Sulu Orogen. <i>Tectonics</i> , 2006 , 25, n/a-n/a	4.3	211
136	Cenozoic exhumation and deformation of northeastern Tibet and the Qinling: Is Tibetan lower crustal flow diverging around the Sichuan Basin?. <i>Bulletin of the Geological Society of America</i> , 2006 , 118, 651-671	3.9	187
135	What brought them up? Exhumation of the Dabie Shan ultrahigh-pressure rocks. <i>Geology</i> , 1995 , 23, 743-5		172
134	Thermochronologic constraints on deformation and cooling history of high- and ultrahigh-pressure rocks in the Qinling-Dabie orogen, eastern China. <i>Tectonics</i> , 1999 , 18, 621-638	4.3	150
133	Near-Ultrahigh Pressure Processing of Continental Crust: Miocene Crustal Xenoliths from the Pamir. <i>Journal of Petrology</i> , 2005 , 46, 1661-1687	3.9	146
132	Subduction, collision and exhumation in the ultrahigh-pressure Qinling-Dabie orogen. <i>Geological Society Special Publication</i> , 2004 , 226, 157-175	1.7	134

131	Cretaceous-Cenozoic history of the southern Tan-Lu fault zone: apatite fission-track and structural constraints from the Dabie Shan (eastern China). <i>Tectonophysics</i> , 2002 , 359, 225-253	3.1	128
130	Interplay between subduction retreat and lateral extrusion: Tectonics of the Western Carpathians. <i>Tectonics</i> , 2002 , 21, 1-1-1-24	4.3	127
129	INDEPTH Wide-Angle Reflection Observation of P-Wave-to-S-Wave Conversion from Crustal Bright Spots in Tibet. <i>Science</i> , 1996 , 274, 1690-1	33.3	123
128	The Xigaze forearc basin: evolution and facies architecture (Cretaceous, Tibet). <i>Sedimentary Geology</i> , 1994 , 90, 1-32	2.8	121
127	Fault-striae analysis: A turbo pascal program package for graphical presentation and reduced stress tensor calculation. <i>Computers and Geosciences</i> , 1993 , 19, 1361-1388	4.5	119
126	How was the Triassic Songpan-Ganzi basin filled? A provenance study. <i>Tectonics</i> , 2007 , 26, n/a-n/a	4.3	115
125	Building the Pamirs: The view from the underside. <i>Geology</i> , 2003 , 31, 849	5	109
124	Deep India meets deep Asia: Lithospheric indentation, delamination and break-off under Pamir and Hindu Kush (Central Asia). <i>Earth and Planetary Science Letters</i> , 2016 , 435, 171-184	5.3	107
123	Quaternary deformation in the Eastern Pamirs, Tadjikistan and Kyrgyzstan. <i>Tectonics</i> , 1995 , 14, 1061-1079	4.9	103
122	When did the ultrahigh-pressure rocks reach the surface? A 207Pb/206Pb zircon, 40Ar/39Ar white mica, Si-in-white mica, single-grain provenance study of Dabie Shan synorogenic foreland sediments. <i>Chemical Geology</i> , 2003 , 197, 87-110	4.2	102
121	Cenozoic deep crust in the Pamir. <i>Earth and Planetary Science Letters</i> , 2011 , 312, 411-421	5.3	100
120	Transpressional collision structures in the upper crust: the fold-thrust belt of the Northern Calcareous Alps. <i>Tectonophysics</i> , 1995 , 242, 41-61	3.1	96
119	Cretaceous to Miocene thrusting and wrenching along the central south Carpathians due to a corner effect during collision and orocline formation. <i>Tectonics</i> , 1993 , 12, 855-873	4.3	95
118	Precise temperature estimation in the Tibetan crust from seismic detection of the α -quartz transition. <i>Geology</i> , 2004 , 32, 601	5	94
117	Crustal and uppermost mantle velocity structure along a profile across the Pamir and southern Tien Shan as derived from project TIPAGE wide-angle seismic data. <i>Geophysical Journal International</i> , 2012 , 188, 385-407	2.6	93
116	Seismotectonics of the Pamir. <i>Tectonics</i> , 2014 , 33, 1501-1518	4.3	86
115	The giant Shakh dara migmatitic gneiss dome, Pamir, India-Asia collision zone: 2. Timing of dome formation. <i>Tectonics</i> , 2013 , 32, 1404-1431	4.3	84
114	The origin of a terrane: U/Pb zircon geochronology and tectonic evolution of the Xolapa complex (southern Mexico). <i>Tectonics</i> , 1994 , 13, 455-474	4.3	82

113	Intra-continental Dabashan orocline, southwestern Qinling, Central China. <i>Journal of Asian Earth Sciences</i> , 2012 , 46, 20-38	2.8	80
112	Kinematics of Austro-Alpine cover nappes: Changing translation path due to transpression. <i>Tectonophysics</i> , 1986 , 125, 335-356	3.1	76
111	Titanite petrochronology of the Pamir gneiss domes: Implications for middle to deep crust exhumation and titanite closure to Pb and Zr diffusion. <i>Tectonics</i> , 2015 , 34, 784-802	4.3	73
110	Deep burial of Asian continental crust beneath the Pamir imaged with local earthquake tomography. <i>Earth and Planetary Science Letters</i> , 2013 , 384, 165-177	5.3	73
109	Pseudotachylites in the Eastern Peninsular Ranges of California. <i>Tectonophysics</i> , 2000 , 321, 253-277	3.1	72
108	The heart of China revisited, I. Proterozoic tectonics of the Qin mountains in the core of supercontinent Rodinia. <i>Tectonics</i> , 2013 , 32, 661-687	4.3	68
107	Midcrustal reflector on INDEPTH wide-angle profiles: An ophiolitic slab beneath the India-Asia suture in southern Tibet?. <i>Tectonics</i> , 1999 , 18, 793-808	4.3	65
106	Synchronous Oligocene-Miocene metamorphism of the Pamir and the north Himalaya driven by plate-scale dynamics. <i>Geology</i> , 2013 , 41, 1071-1074	5	61
105	The North American-Caribbean Plate boundary in Mexico-Guatemala-Honduras. <i>Geological Society Special Publication</i> , 2009 , 328, 219-293	1.7	60
104	Calcite textures: examples from nappes with strain-path partitioning. <i>Journal of Structural Geology</i> , 1991 , 13, 369-384	3	59
103	Second look at suspect terranes in southern Mexico. <i>Geology</i> , 1991 , 19, 1233	5	57
102	Formation, subduction, and exhumation of Penninic oceanic crust in the Eastern Alps: time constraints from ⁴⁰ Ar/ ³⁹ Ar geochronology. <i>Tectonophysics</i> , 2004 , 394, 155-170	3.1	56
101	Sichuan Basin and beyond: Eastward foreland growth of the Tibetan Plateau from an integration of Late Cretaceous-Cenozoic fission track and (U-Th)/He ages of the eastern Tibetan Plateau, Qinling, and Daba Shan. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 4712-4740	3.6	54
100	Penninic windows at the eastern end of the Alps and their relation to the intra-Carpathian basins. <i>Tectonophysics</i> , 1990 , 172, 91-105	3.1	53
99	Build-up and dismembering of the eastern Northern Calcareous Alps. <i>Tectonophysics</i> , 1997 , 272, 97-124	3.1	52
98	Pan-African metamorphic evolution in the southern Yaounde Group (Oubanguidé Complex, Cameroon) as revealed by EMP-monazite dating and thermobarometry of garnet metapelites. <i>Journal of African Earth Sciences</i> , 2011 , 59, 125-139	2.2	50
97	Left-lateral transtension along the Tierra Colorada deformation zone, northern margin of the Xolapa magmatic arc of southern Mexico. <i>Journal of South American Earth Sciences</i> , 1992 , 5, 237-249	2	50
96	Building the Pamir-Tibetan Plateau: Crustal stacking, extensional collapse, and lateral extrusion in the Central Pamir: 1. Geometry and kinematics. <i>Tectonics</i> , 2017 , 36, 342-384	4.3	49

95	Building the Pamir-Tibetan Plateau—Crustal stacking, extensional collapse, and lateral extrusion in the Central Pamir: 2. Timing and rates. <i>Tectonics</i> , 2017 , 36, 385-419	4.3	49
94	The interaction of two indenters in analogue experiments and implications for curved fold-and-thrust belts. <i>Earth and Planetary Science Letters</i> , 2011 , 302, 132-146	5.3	49
93	Plate-boundary kinematics in the Alps: Motion in the Arosa suture zone. <i>Geology</i> , 1988 , 16, 696	5	48
92	Rifting and strike-slip shear in central Tibet and the geometry, age and kinematics of upper crustal extension in Tibet. <i>Geological Society Special Publication</i> , 2011 , 353, 127-163	1.7	46
91	Kinematics of the Alpine plate-margin: structural styles, strain and motion along the Penninic–Austroalpine boundary in the Swiss–Austrian Alps. <i>Journal of the Geological Society</i> , 1989 , 146, 835-849	2.7	46
90	Preferred orientation of phyllosilicates in phyllonites and ultramytonites. <i>Journal of Structural Geology</i> , 1987 , 9, 719-730	3	46
89	Kinematics of an arcuate fold–thrust belt: the southern Eastern Carpathians (Romania). <i>Tectonophysics</i> , 1998 , 297, 177-207	3.1	43
88	The Pieniny Klippen Belt in the Western Carpathians of northeastern Slovakia: Structural evidence for transpression. <i>Tectonophysics</i> , 1993 , 226, 471-483	3.1	43
87	The Sino-Korean–Yangtze suture, the Huwan detachment, and the Paleozoic–Tertiary exhumation of (ultra)high-pressure rocks along the Tongbai-Xinxian-Dabie Mountains 2006 ,		42
86	Rietveld texture analysis of Dabie Shan eclogite from TOF neutron diffraction spectra. <i>Journal of Applied Crystallography</i> , 2001 , 34, 442-453	3.8	42
85	Stress transmission across an active plate boundary: an example from southern Mexico. <i>Tectonophysics</i> , 1996 , 266, 81-100	3.1	39
84	Cenozoic intracontinental deformation and exhumation at the northwestern tip of the India-Asia collision—southwestern Tian Shan, Tajikistan, and Kyrgyzstan. <i>Tectonics</i> , 2016 , 35, 2171-2194	4.3	38
83	How did the foreland react? Yangtze foreland fold-and-thrust belt deformation related to exhumation of the Dabie Shan ultrahigh-pressure continental crust (eastern China). <i>Terra Nova</i> , 1999 , 11, 266-272	3	38
82	Resistivity structure underneath the Pamir and Southern Tian Shan. <i>Geophysical Journal International</i> , 2014 , 198, 564-579	2.6	37
81	Deformation and motion along the southern margin of the Lhasa block (Tibet) prior to and during the India-Asia collision. <i>Journal of Geodynamics</i> , 1992 , 16, 21-54	2.2	37
80	Archimedes revisited: a structural test of eclogite emplacement models in the Austrian Alps. <i>Terra Nova</i> , 1989 , 1, 242-252	3	37
79	Late-stage foreland growth of China’s largest orogens (Qinling, Tibet): Evidence from the Hannan-Micang crystalline massifs and the northern Sichuan Basin, central China. <i>Lithosphere</i> , 2013 , 5, 420-437	2.7	35
78	Confined fission tracks in ion-irradiated and step-etched prismatic sections of Durango apatite. <i>Chemical Geology</i> , 2007 , 242, 202-217	4.2	35

77	Proterozoic-Mesozoic history of the Central Asian orogenic belt in the Tajik and southwestern Kyrgyz Tian Shan: U-Pb, ⁴⁰ Ar/ ³⁹ Ar, and fission-track geochronology and geochemistry of granitoids. <i>Bulletin of the Geological Society of America</i> , 2017 , 129, 281-303	3.9	33
76	Early evolution of the Pamir deep crust from Lu-Hf and U-Pb geochronology and garnet thermometry. <i>Geology</i> , 2014 , 42, 1047-1050	5	32
75	Cenozoic clockwise rotation of the Tengchong block, southeastern Tibetan Plateau: A paleomagnetic and geochronologic study. <i>Tectonophysics</i> , 2014 , 628, 105-122	3.1	32
74	Timing of post-obduction granitoids from intrusion through cooling to exhumation in central Anatolia, Turkey. <i>Tectonophysics</i> , 2009 , 473, 223-233	3.1	32
73	Crustal structure of the eastern Dabie Shan interpreted from deep reflection and shallow tomographic data. <i>Tectonophysics</i> , 2001 , 333, 347-359	3.1	32
72	A repositioning technique for counting induced fission tracks in muscovite external detectors in single-grain dating of minerals with low and inhomogeneous uranium concentrations. <i>Radiation Measurements</i> , 2003 , 37, 217-219	1.5	30
71	Building Southeast China in the late Mesozoic: Insights from alternating episodes of shortening and extension along the Lianhuashan fault zone. <i>Earth-Science Reviews</i> , 2020 , 201, 103056	10.2	30
70	Localized ductile shear below the seismogenic zone: Structural analysis of an exhumed strike-slip fault, Austrian Alps. <i>Journal of Geophysical Research</i> , 2007 , 112,		29
69	Progressive strain localization in a major strike-slip fault exhumed from midseismogenic depths: Structural observations from the Salzach-Ennstal-Mariazell-Puchberg fault system, Austria. <i>Journal of Geophysical Research</i> , 2009 , 114,		28
68	High-resolution ⁴⁰ Ar/ ³⁹ Ar dating using a mechanical sample transfer system combined with a high-temperature cell for step heating experiments and a multicollector ARGUS noble gas mass spectrometer. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 2713-2726	3.6	26
67	The geometry of the Archean, Paleo- and Neoproterozoic tectonics in the Southwest Cameroon. <i>Comptes Rendus - Geoscience</i> , 2011 , 343, 312-322	1.4	26
66	Building the Pamir-Tibet Plateau: Crustal stacking, extensional collapse, and lateral extrusion in the Pamir: 3. Thermobarometry and petrochronology of deep Asian crust. <i>Tectonics</i> , 2017 , 36, 1743-1766	4.3	25
65	Clockwise rotation of the Baoshan Block due to southeastward tectonic escape of Tibetan crust since the Oligocene. <i>Geophysical Journal International</i> , 2014 , 197, 149-163	2.6	24
64	The 2008 Nura earthquake sequence at the Pamir-Tian Shan collision zone, southern Kyrgyzstan. <i>Tectonics</i> , 2014 , 33, 2382-2399	4.3	24
63	Multi-chronometric dating of the Huarong granitoids from the middle Yangtze Craton: Implications for the tectonic evolution of eastern China. <i>Journal of Asian Earth Sciences</i> , 2012 , 52, 73-87	2.8	23
62	The internal structure of the Arosa Zone (Swiss-Austrian Alps). <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1990 , 79, 725-739		22
61	The Crust in the Pamir: Insights From Receiver Functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 9313-9331	3.6	21
60	Exhumation of Ultrahigh-Pressure Rocks: Thermal Boundary Conditions and Cooling History. <i>Petrology and Structural Geology</i> , 1998 , 117-139		21

59	Seismotectonics of the Tajik Basin and Surrounding Mountain Ranges. <i>Tectonics</i> , 2018 , 37, 2404-2424	4.3	20
58	The KTB apatite fission-track profiles: Building on a firm foundation?. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 167, 27-62	5.5	20
57	The giant Shakh dara migmatitic gneiss dome, Pamir, India-Asia collision zone: 1. Geometry and kinematics. <i>Tectonics</i> , 2013 , 32, n/a-n/a	4.3	20
56	The 2015 Mw7.2 Sarez Strike-Slip Earthquake in the Pamir Interior: Response to the Underthrusting of India's Western Promontory. <i>Tectonics</i> , 2017 , 36, 2407-2421	4.3	18
55	New igneous zircon Pb/Pb and metamorphic Rb/Sr ages in the Yaounde Group (Cameroon, Central Africa): implications for the Central African fold belt evolution close to the Congo Craton. <i>International Journal of Earth Sciences</i> , 2012 , 101, 1689-1703	2.2	18
54	Direct observation of fault zone structure at the brittle-ductile transition along the Salzach-Ennstal-Mariazell-Puchberg fault system, Austrian Alps. <i>Journal of Geophysical Research</i> , 2011 , 116,		18
53	A view into crustal evolution at mantle depths. <i>Earth and Planetary Science Letters</i> , 2017 , 465, 59-69	5.3	17
52	Standardless fission-track dating of the Durango apatite age standard. <i>Chemical Geology</i> , 2015 , 417, 44-57	4.2	17
51	The Heart of China revisited: II Early Paleozoic (ultra)high-pressure and (ultra)high-temperature metamorphic Qinling orogenic collage. <i>Tectonics</i> , 2013 , 32, n/a-n/a	4.3	17
50	Meso-Cenozoic tectonic evolution of the Dangyang Basin, north-central Yangtze craton, central China. <i>International Geology Review</i> , 2013 , 55, 382-396	2.3	15
49	Magnetic fabrics, crystallographic preferred orientation, and strain of progressively Metamorphosed pelites in the Helvetic Zone of the Central Alps (Quartenschiefer Formation). <i>Journal of Geophysical Research</i> , 1993 , 98, 9557		14
48	Superposed deformations in the Eastern Alps: strain analysis and microfabrics. <i>Journal of Structural Geology</i> , 1987 , 9, 263-276	3	13
47	Foundering Triggered by the Collision of India and Asia Captured in Xenoliths. <i>Tectonics</i> , 2017 , 36, 1913-1933	4.5	12
46	Absolute measurements of the uranium concentration in thick samples using fission-track detectors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 229, 489-498	1.2	12
45	How diverse is the source? Age, provenance, reworking, and overprint of Precambrian meta-sedimentary rocks of West Gondwana, Cameroon, from zircon U-Pb geochronology. <i>Precambrian Research</i> , 2021 , 359, 106220	3.9	12
44	Annealing kinetics of Kr-tracks in monazite: Implications for fission-track modelling. <i>Chemical Geology</i> , 2009 , 260, 129-137	4.2	11
43	The Hindu Kush slab break-off as revealed by deep structure and crustal deformation. <i>Nature Communications</i> , 2021 , 12, 1685	17.4	11
42	A borehole investigation of zircon radiation damage annealing. <i>Terra Nova</i> , 2019 , 31, 263-270	3	10

41	Measurements of fossil confined fission tracks in ion-irradiated apatite samples with low track densities. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 259, 943-950	1.2	10
40	Kinematics of exhumation of high- and ultrahigh-pressure rocks in the Hong'an and Tongbai Shan of the Qinling-Dabie collisional orogen, eastern China 2001 ,		10
39	The Alichur Dome, South Pamir, Western India-Asia Collisional Zone: Detailing the Neogene Shakh dara Alichur Syn-collisional Gneiss-Dome Complex and Connection to Lithospheric Processes. <i>Tectonics</i> , 2020 , 39, e2019TC005735	4.3	10
38	Seismic mapping of crustal structures beneath the Indus-Yarlung Suture, Tibet. <i>Terra Nova</i> , 1997 , 9, 42-46	4	9
37	Cenozoic structural evolution, thermal history, and erosion of the Ukrainian Carpathians fold-thrust belt. <i>Tectonophysics</i> , 2018 , 722, 197-209	3.1	9
36	Middle and Late Pleistocene glaciations in the southwestern Pamir and their effects on topography. <i>Earth and Planetary Science Letters</i> , 2017 , 466, 181-194	5.3	8
35	Tajik Basin and Southwestern Tian Shan, Northwestern India-Asia Collision Zone: 2. Timing of Basin Inversion, Tian Shan Mountain Building, and Relation to Pamir-Plateau Advance and Deep India-Asia Indentation. <i>Tectonics</i> , 2020 , 39, e2019TC005873	4.3	8
34	Apparent paleomagnetic rotations reveal Pliocene-Pliocene internal deformation of the Tengchong Block, southeastern Tibetan Plateau. <i>Journal of Asian Earth Sciences</i> , 2014 , 96, 1-16	2.8	8
33	The magnetic fabrics of experimentally deformed artificial clay-water dispersions. <i>Tectonophysics</i> , 1991 , 200, 143-155	3.1	8
32	Seismic and aseismic weakening effects in transtension: field and microstructural observations on the mechanics and architecture of a large fault zone in SE Tibet. <i>Geological Society Special Publication</i> , 2005 , 245, 109-141	1.7	8
31	The effects of radiation damage accumulation and annealing on fission-track dating of titanite. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 227, 567-576	1.2	7
30	West-directed décollement of Austro-Alpine cover nappes in the eastern Alps: geometrical and rheological considerations. <i>Geological Society Special Publication</i> , 1989 , 45, 243-262	1.7	7
29	New U-Pb zircon ages of Nyong Complex meta-plutonites: Implications for the Eburnean/Trans-Amazonian Orogeny in southwestern Cameroon (Central Africa). <i>Geological Journal</i> , 2021 , 56, 1741-1755	1.7	7
28	Tajik Basin and Southwestern Tian Shan, Northwestern India-Asia Collision Zone: 1. Structure, Kinematics, and Salt Tectonics in the Tajik Fold-and-Thrust Belt of the Western Foreland of the Pamir. <i>Tectonics</i> , 2020 , 39, e2019TC005871	4.3	6
27	Tajik Basin and Southwestern Tian Shan, Northwestern India-Asia Collision Zone: 3. Preorogenic to Synorogenic Retro-foreland Basin Evolution in the Eastern Tajik Depression and Linkage to the Pamir Hinterland. <i>Tectonics</i> , 2020 , 39, e2019TC005874	4.3	6
26	Dense GNSS Profiles Across the Northwestern Tip of the India-Asia Collision Zone: Triggered Slip and Westward Flow of the Peter the First Range, Pamir, Into the Tajik Depression. <i>Tectonics</i> , 2020 , 39, e2019TC005797	4.3	6
25	A comparison between neutron-fluence measurements using metal-activation monitors and standard glasses calibrated via thin uranium-fission monitors and via β method. <i>Radiation Measurements</i> , 2013 , 53-54, 38-44	1.5	6
24	Revelation of nuclear tracks and dislocations: A Monte Carlo simulation of mineral etching. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 3184-3199	5.5	6

23	10Be surface-exposure age dating of the Last Glacial Maximum in the northern Pamir (Tajikistan). <i>Quaternary Geochronology</i> , 2016 , 34, 47-57	2.7	6
22	Early Devonian (415±00 Ma) A-type granitoids and diabases in the Wuyishan, eastern Cathaysia: A signal of crustal extension coeval with the separation of South China from Gondwana. <i>Bulletin of the Geological Society of America</i> , 2020 , 132, 2295-2317	3.9	5
21	Alpha-recoil track densities in mica and radiometric age determination. <i>Radiation Measurements</i> , 2005 , 40, 503-508	1.5	5
20	A neutron goniometer study of the preferred orientation of calcite in fine-grained deep-sea carbonate. <i>Sedimentary Geology</i> , 1994 , 89, 315-324	2.8	4
19	Southeastern continuation of the Bangong-Nujiang suture zone: Constraints from Middle Jurassic-Early Cretaceous sedimentary rocks in the western Baoshan block, SW China. <i>Journal of Asian Earth Sciences</i> , 2021 , 221, 104944	2.8	4
18	Xe- and U-tracks in apatite and muscovite near the etching threshold. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 343, 146-152	1.2	3
17	Growth and collapse of the Tibetan Plateau: introduction. <i>Geological Society Special Publication</i> , 2011 , 353, 1-8	1.7	3
16	The closure temperature(s) of zircon Raman dating. <i>Geochronology</i> , 2021 , 3, 259-272	3.8	3
15	Protracted late Neoproterozoic-Early Palaeozoic deformation and cooling history of the East Antarctica, from 40Ar/39Ar and U/Pb geochronology. <i>Geological Magazine</i> , 2021 , 158, 635-655	2	3
14	Window-Based Morphometric Indices as Predictive Variables for Landslide Susceptibility Models. <i>Remote Sensing</i> , 2021 , 13, 451	5	3
13	Structure and Stress Field of the Lithosphere Between Pamir and Tarim. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095413	4.9	2
12	Palinspastic Reconstruction of the Pre-Triassic Basement Units in the Alps: The Eastern Alps 1993 , 41-51		2
11	Some geometrical properties of fission-track-surface intersections in apatite. <i>American Mineralogist</i> , 2020 , 105, 1355-1364	2.9	2
10	Zircon Raman dating: Age equation and calibration. <i>Chemical Geology</i> , 2021 , 579, 120351	4.2	2
9	The densities and dimensions of recoil-track etch pits in mica. <i>Chemical Geology</i> , 2015 , 404, 52-61	4.2	1
8	Single-track length measurements of step-etched fission tracks in Durango apatite: Ursprung durch Technik <i>American Mineralogist</i> , 2017 ,	2.9	1
7	Reply [to Comment on Magnetic fabrics, crystallographic preferred orientation, and strain of progressively deformed metamorphosed pelites in the Helvetic zone of the Central Alps (Quartenschiefer Formation)] by Carl Richter, Lothar Ratschbacher, and Wolfgang Frisch <i>Journal of Geophysical Research</i> , 1994 , 99, 21829-21831		1
6	Polyphase deformation in the Badu complex: Insights into Triassic intraplate orogeny in South China. <i>Journal of Structural Geology</i> , 2021 , 104475	3	1

- 5 Tajik Depression and Greater Pamir Neotectonics From InSAR Rate Maps. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2021JB022775 3.6 ○
- 4 Short communication: Experimental factors affecting fission-track counts in apatite. *Geochronology*, **2022**, 4, 109-119 3.8 ○
- 3 Eburnean/Trans-Amazonian orogeny in the Nyong complex of southwestern Cameroon: Meta-basite geochemistry and metamorphic petrology. *Journal of African Earth Sciences*, **2022**, 190, 104515 3.2 ○
- 2 Comment on Paleomagnetic study of the Eocene Quxu pluton of the Gangdese Belt: Crustal deformation along the Indus-Zangbo suture zone in Southern Tibet by Y. Otofujii et al.. *Earth and Planetary Science Letters*, **1993**, 115, 287-292 5.3
- 1 Penninic windows at the eastern end of the Alps and their relation to the intra-Carpathian basins Reply. *Tectonophysics*, **1991**, 194, 185-186 3.1