Peter K Zeitler

List of Publications by Year
in descending order

94 papers	6,357 citations	50276 46 h-index	64796 79 g-index
100 all docs	100 docs citations	100 times ranked	3392 citing authors

#	Article	IF	Citations
1	Thermochronologic constraints on the origin of the Great Unconformity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	15
2	Thank You to Our 2021 Peer Reviewers. AGU Advances, 2022, 3, .	5.4	0
3	Confronting Racism to Advance Our Science. AGU Advances, 2021, 2, e2020AV000296.	5.4	1
4	Thank You to Our 2020 Peer Reviewers. AGU Advances, 2021, 2, e2021AV000426.	5.4	0
5	Helium diffusion systematics inferred from continuous ramped heating analysis of Transantarctic Mountains apatites showing age overdispersion. Geochimica Et Cosmochimica Acta, 2021, 310, 113-130.	3.9	8
6	Tectonic Aneurysm: A Culmination of Tectonic and Geomorphic Cooperation in Mountain Building. , 2021, , .		0
7	Noble Gases Deliver Cool Dates from Hot Rocks. Elements, 2020, 16, 303-309.	0.5	19
8	Measuring Noble Gases for Thermochronology. Elements, 2020, 16, 343-344.	0.5	2
9	Thank You to Our 2019 Reviewers. AGU Advances, 2020, 1, e2020AV000181.	5.4	0
10	AGU Advances Goes Online. AGU Advances, 2020, 1, e2019AV000105.	5.4	0
11	Reconstructing deepâ€time histories from integrated thermochronology: An example from southern Baffin Island, Canada. Terra Nova, 2019, 31, 189-204.	2.1	15
12	Instability of the southern Canadian Shield during the late Proterozoic. Earth and Planetary Science Letters, 2018, 490, 100-109.	4.4	17
13	Screening apatites for (U-Th)/He thermochronometry via continuous ramped heating: He age components and implications for age dispersion. Geochimica Et Cosmochimica Acta, 2018, 223, 90-106.	3.9	37
14	Characterization of helium release from apatite by continuous ramped heating. Chemical Geology, 2018, 476, 223-232.	3.3	16
15	Thermochronology of sandstone-hosted secondary Fe- and Mn-oxides near Moab, Utah: Record of paleoâ€“fluid flow along a fault. Bulletin of the Geological Society of America, 2018, 130, 93-113.	3.3	15
16	Whole-rock 40Ar/39Ar geochronology, geochemistry, and stratigraphy of intraplate Cenozoic volcanic rocks, central Mongolia. Bulletin of the Geological Society of America, 2018, 130, 1397-1408.	3.3	19
17	Relict Topography Within the Hangay Mountains in Central Mongolia: Quantifying Longâ€Term Exhumation and Relief Change in an Old Landscape. Tectonics, 2018, 37, 2531-2558.	2.8	23
18	Solubility and trapping of helium in apatite. Geochimica Et Cosmochimica Acta, 2017, 209, 1-8.	3.9	45

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19	Uplift of Central Mongolia Recorded in Vesicular Basalts. Journal of Geology, 2016, 124, 435-445.	1.4	10
20	Comment on â€œTectonic control of Yarlung Tsangpo Gorge revealed by a buried canyon in Southern Tibetâ€• Science, 2015, 349, 799-799.	12.6	28
21	Knickpoint evolution on the Yarlung river: Evidence for late Cenozoic uplift of the southeastern Tibetan plateau margin. Earth and Planetary Science Letters, 2015, 430, 448-457.	4.4	48
22	Erosion in southern Tibet shut down at â^¼10 Ma due to enhanced rock uplift within the Himalaya. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12030-12035.	7.1	85
23	Tectonics and topographic evolution of Namche Barwa and the easternmost Lhasa block, Tibet. , 2014, , .		47
24	Middle Pleistocene age of the fossiliferous sedimentary sequence from Tarija, Bolivia. Quaternary Research, 2013, 79, 268-273.	1.7	13
25	Denudation of the Namche Barwa antiform, eastern Himalaya. Earth and Planetary Science Letters, 2011, 307, 323-333.	4.4	102
26	The thermochronological record of tectonic and surface process interaction at the Yakutat-North American collision zone in southeast Alaska. Numerische Mathematik, 2010, 310, 231-260.	1.4	79
27	Constraints on the metamorphic evolution of the eastern Himalayan syntaxis from geochronologic and petrologic studies of Namche Barwa. Bulletin of the Geological Society of America, 2009, 121, 385-407.	3.3	124
28	Intense localized rock uplift and erosion in the StÂElias orogen of Alaska. Nature Geoscience, 2009, 2, 360-363.	12.9	94
29	Brahmaputra sediment flux dominated by highly localized rapid erosion from the easternmost Himalaya. Geology, 2008, 36, 711.	4.4	110
30	Coupling of rock uplift and river incision in the Namche Barwa-Gyala Peri massif, Tibet. Bulletin of the Geological Society of America, 2008, 120, 142-155.	3.3	184
31	Geodynamics of the southeastern Tibetan Plateau from seismic anisotropy and geodesy. Geology, 2007, 35, 563.	4.4	218
32	Links between Mountain Uplift, Climate, and Surface Processes in the Southern Patagonian Andes. , 2006, , 429-440.		17
33	Past, Present, and Future of Thermochronology. Reviews in Mineralogy and Geochemistry, 2005, 58, 1-18.	4.8	182
34	Continuous Thermal Histories from Inversion of Closure Profiles. Reviews in Mineralogy and Geochemistry, 2005, 58, 389-409.	4.8	31
35	Climatic and ecologic changes during Miocene surface uplift in the Southern Patagonian Andes. Earth and Planetary Science Letters, 2005, 230, 125-142.	4.4	232
36	Fundamentals of Noble Gas Thermochronometry. Reviews in Mineralogy and Geochemistry, 2005, 58, 123-149.	4.8	51

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37	U-Pb zircon constraints on the tectonic evolution of southeastern Tibet, Namche Barwa Area. Numerische Mathematik, 2004, 304, 889-929.	1.4	138
38	Mechanical links between erosion and metamorphism in Nanga Parbat, Pakistan Himalaya. Numerische Mathematik, 2002, 302, 749-773.	1.4	141
39	Overview of hydrothermal activity associated with active orogenesis and metamorphism: Nanga Parbat, Pakistan Himalaya. Numerische Mathematik, 2002, 302, 726-748.	1.4	26
40	Crustal reworking at Nanga Parbat, Pakistan: Metamorphic consequences of thermal-mechanical coupling facilitated by erosion. Tectonics, 2001, 20, 712-728.	2.8	197
41	Geochronologic Constraints on the Tectonic Evolution and Exhumation of Nanga Parbat, Western Himalaya Syntaxis, Revisited. Journal of Geology, 2001, 109, 563-583.	1.4	41
42	Erosion, Himalayan Geodynamics, and the Geomorphology of Metamorphism. GSA Today, 2001, 11, 4.	2.0	404
43	Using thermochronometry and low-temperature demagnetization to accurately date Precambrian paleomagnetic poles. Journal of Geophysical Research, 2000, 105, 19435-19453.	3.3	48
44	Tectonics of Nanga Parbat, western Himalaya: Synkinematic plutonism within the doubly vergent shear zones of a crustal-scale pop-up structure. Geology, 1999, 27, 999.	4.4	89
45	Mazeno Pass Pluton and Jutial Pluton, Pakistan Himalaya: age and implications for entrapment mechanisms of two granites in the Himalaya. Contributions To Mineralogy and Petrology, 1999, 136, 273-284.	3.1	25
46	Early Miocene anatexis identified in the western syntaxis, Pakistan Himalaya. Earth and Planetary Science Letters, 1999, 167, 121-129.	4.4	54
47	40Ar/39Ar thermochronometry of K-feldspar from the KTB borehole, Germany. Earth and Planetary Science Letters, 1998, 158, 67-79.	4.4	25
48	Comparison of clastic wedge provenance in the Appalachian foreland using U/Pb ages of detrital zircons. Tectonics, 1997, 16, 151-160.	2.8	62
49	Neogene Patagonian plateau lavas: Continental magmas associated with ridge collision at the Chile Triple Junction. Tectonics, 1997, 16, 1-17.	2.8	204
50	An evaluation of low-temperature apatite U Th/He thermochronometry. Geochimica Et Cosmochimica Acta, 1997, 61, 5371-5377.	3.9	77
51	Geochemistry of a dry steam geothermal zone formed during rapid uplift of Nanga Parbat, northern Pakistan. Chemical Geology, 1997, 142, 11-22.	3.3	23
52	Geochronologic constraints on syntaxial development in the Nanga Parbat region, Pakistan. Tectonics, 1996, 15, 1292-1308.	2.8	33
53	Temporal variations in the cooling and denudation history of the Hunza plutonic complex, Karakoram Batholith, revealed by40Ar/39Ar thermochronology. Tectonics, 1996, 15, 403-415.	2.8	24
54	Episodic unroofing of the Kohistan Batholith, Pakistan: Implications from K-feldspar thermochronology. Journal of Geophysical Research, 1996, 101, 28149-28164.	3.3	23

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55	40Ar/39Ar thermochronology of shocked feldspars from the Manson impact structure. , 1996, , .		0
56	Metamorphism and Melting of the Lithosphere Due to Rapid Denudation, Nanga Parbat Massif Himalaya. Journal of Geology, 1995, 103, 395-409.	1.4	30
57	Chronology of internal drainage development and uplift, southern Puna plateau, Argentine central Andes. Geology, 1995, 23, 145.	4.4	125
58	Geochronologic constraints of the uplift and metamorphism along the Alpine Fault, South Island, New Zealand. New Zealand Journal of Geology, and Geophysics, 1995, 38, 515-523.	1.8	57
59	Active hydrothermal systems during the recent uplift of Nanga Parbat, Pakistan Himalaya. Journal of Geophysical Research, 1995, 100, 439-453.	3.3	48
60	Direct evidence for a steep geotherm under conditions of rapid denudation, Western Himalaya, Pakistan. Geology, 1994, 22, 1075.	4.4	53
61	Paleomagnetic Record of a Geomagnetic Field Reversal from Late Miocene Mafic Intrusions, Southern Nevada. Science, 1994, 266, 412-416.	12.6	7
62	Boiling fluids in a region of rapid uplift, Nanga Parbat Massif, Pakistan. Earth and Planetary Science Letters, 1994, 128, 169-182.	4.4	56
63	Timing and Duration of Himalayan Metamorphism within the Indian Plate, Northwest Himalaya, Pakistan. Journal of Geology, 1994, 102, 493-508.	1.4	85
64	Synchronous anatexis, metamorphism, and rapid denudation at Nanga Parbat (Pakistan Himalaya). Geology, 1993, 21, 347.	4.4	191
65	The Palaeozoic history of an unusual intracratonic thrust belt in central Australia based on ⁴⁰ Ar- ³⁹ Ar, K-Ar and fission track dating. Journal of the Geological Society, 1992, 149, 937-954.	2.1	62
66	Geochronological evidence for â¼ 530â€“550 Ma juxtaposition of two Proterozoic metamorphic terranes in the Musgrave Ranges, Central Australia. Australian Journal of Earth Sciences, 1992, 39, 457-471.	1.0	55
67	Documentation of Neogene regional metamorphism in the Himalayas of Pakistan using U-Pb in monazite. Earth and Planetary Science Letters, 1992, 113, 93-105.	4.4	58
68	Petrogenetic and tectonic significance of young leucogranites from the northwestern Himalaya, Pakistan. Tectonics, 1991, 10, 729-741.	2.8	116
69	Constraints on the Tectonic Evolution of the Northwestern Himalaya from Geochronologic and Petrologic Studies of Babusar Pass, Pakistan. Journal of Geology, 1991, 99, 829-849.	1.4	72
70	Discordant 40Arî—¸39Ar ages from the Musgrave Ranges, central Australia: Implications for the significance of hornblende 40Arî—¸39Ar spectra. Chemical Geology: Isotope Geoscience Section, 1991, 86, 139-160.	0.6	12
71	Ion-microprobe dating of zircon from quartz-graphite veins at the Bristol, New Hampshire, metamorphic hot spot. Geology, 1990, 18, 626.	4.4	27
72	Late Cenozoic Paleomagnetism and Chronology of Andean Basins of Bolivia: Evidence for Possible Oroclinal Bending. Journal of Geology, 1990, 98, 541-555.	1.4	66

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73	Metamorphic P-T path of granulites in the Musgrave Ranges, central Australia. Geological Society Special Publication, 1989, 43, 303-307.	1.3	6
74	Geochronology and temperature history of the Nanga Parbatâ€“Haramosh Massif, Pakistan. Special Paper of the Geological Society of America, 1989, , 1-22.	0.5	79
75	A petrologic record of the collision between the Kohistan Island-Arc and Indian Plate, northwest Himalaya. Special Paper of the Geological Society of America, 1989, , 23-32.	0.5	14
76	Zircon fission-track ages from the Gasherbrum Diorite, Karakoram Range, northern Pakistan. Geology, 1989, 17, 1044.	4.4	24
77	The geochronology of metamorphic processes. Geological Society Special Publication, 1989, 43, 131-147.	1.3	17
78	The dynamics of the suture between the Kohistan island arc and the Indian plate in the Himalaya of Pakistan. Journal of Metamorphic Geology, 1989, 7, 135-149.	3.4	28
79	Dating late Pan-African cooling in the Uluguru granulite complex of Eastern Tanzania using the 40Arî—¸39Ar technique. Journal of African Earth Sciences (and the Middle East), 1989, 9, 159-167.	0.2	28
80	Thermochronometric data on the development of the basement peneplain in the Sierras Pampeanas, Argentina. Journal of South American Earth Sciences, 1989, 2, 207-222.	1.4	81
81	Ar diffusion in partially outgassed alkali feldspars: Insights from analysis â€" Reply. Chemical Geology: Isotope Geoscience Section, 1988, 73, 268-269.	0.6	3
82	U-Th-He dating of apatite: A potential thermochronometer. Geochimica Et Cosmochimica Acta, 1987, 51, 2865-2868.	3.9	270
83	Provenance studies by fission-track dating of zircon-etching and counting procedures. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1987, 13, 121-126.	0.5	46
84	Argon diffusion in partially outgassed alkali feldspars: Insights from analysis. Chemical Geology: Isotope Geoscience Section, 1987, 65, 167-181.	0.6	66
85	A reassessment appraised: Comment on â€œHornblende KAr ages and the climax of Tertiary metamorphism in the Lepontine Alps (south-central Switzerland): an old problem reassessedâ€• by Alexander Deutsch and Rudolf H. Steiger. Earth and Planetary Science Letters, 1986, 76, 390-392.	4.4	5
86	Saddle-shaped age spectra from young, microstructurally complex potassium feldspars. Geochimica Et Cosmochimica Acta, 1986, 50, 1185-1199.	3.9	86
87	Magnetic Polarity Stratigraphy and Mammalian Fauna of the Deseadan (Late Oligocene-Early Miocene) Salla Beds of Northern Bolivia. Journal of Geology, 1985, 93, 223-250.	1.4	125
88	Cooling history of the NW Himalaya, Pakistan. Tectonics, 1985, 4, 127-151.	2.8	397
89	Comment and Reply on â€œRates of late Cenozoic tectonism in the Vallecito-Fish Creek basin, western Imperial Valley, Californiaâ€• Geology, 1984, 12, 320.	4.4	0
90	Magnetic Polarity Stratigraphy of the Middle Pleistocene (Ensenadan) Tarija Formation of Southern Bolivia. Quaternary Research, 1983, 19, 172-187.	1.7	57

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91	Rates of late Cenozoic tectonism in the Vallecitoâ€“Fish Creek basin, western Imperial Valley, California. Geology, 1983, 11, 664.	4.4	63
92	Unroofing history of a suture zone in the Himalaya of Pakistan by means of fission-track annealing ages. Earth and Planetary Science Letters, 1982, 57, 227-240.	4.4	93
93	The occurrence and fission-track ages of late neogene and quaternary volcanic sediments, Siwalik group, Northern Pakistan. Palaeogeography, Palaeoclimatology, Palaeoecology, 1982, 37, 63-93.	2.3	92
94	Fission-track evidence for Quaternary uplift of the Nanga Parbat region, Pakistan. Nature, 1982, 298, 255-257.	27.8	133