

Peter K Zeitler

List of Publications by Year in descending order

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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	Erosion, Himalayan Geodynamics, and the Geomorphology of Metamorphism. <i>GSA Today</i> , 2001, 11, 4.	2.0	404
2	Cooling history of the NW Himalaya, Pakistan. <i>Tectonics</i> , 1985, 4, 127-151.	2.8	397
3	U-Th-He dating of apatite: A potential thermochronometer. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 2865-2868.	3.9	270
4	Climatic and ecologic changes during Miocene surface uplift in the Southern Patagonian Andes. <i>Earth and Planetary Science Letters</i> , 2005, 230, 125-142.	4.4	232
5	Geodynamics of the southeastern Tibetan Plateau from seismic anisotropy and geodesy. <i>Geology</i> , 2007, 35, 563.	4.4	218
6	Neogene Patagonian plateau lavas: Continental magmas associated with ridge collision at the Chile Triple Junction. <i>Tectonics</i> , 1997, 16, 1-17.	2.8	204
7	Crustal reworking at Nanga Parbat, Pakistan: Metamorphic consequences of thermal-mechanical coupling facilitated by erosion. <i>Tectonics</i> , 2001, 20, 712-728.	2.8	197
8	Synchronous anatexis, metamorphism, and rapid denudation at Nanga Parbat (Pakistan Himalaya). <i>Geology</i> , 1993, 21, 347.	4.4	191
9	Coupling of rock uplift and river incision in the Namche Barwa-Gyala Peri massif, Tibet. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 142-155.	3.3	184
10	Past, Present, and Future of Thermochronology. <i>Reviews in Mineralogy and Geochemistry</i> , 2005, 58, 1-18.	4.8	182
11	Mechanical links between erosion and metamorphism in Nanga Parbat, Pakistan Himalaya. <i>Numerische Mathematik</i> , 2002, 302, 749-773.	1.4	141
12	U-Pb zircon constraints on the tectonic evolution of southeastern Tibet, Namche Barwa Area. <i>Numerische Mathematik</i> , 2004, 304, 889-929.	1.4	138
13	Fission-track evidence for Quaternary uplift of the Nanga Parbat region, Pakistan. <i>Nature</i> , 1982, 298, 255-257.	27.8	133
14	Magnetic Polarity Stratigraphy and Mammalian Fauna of the Deseadan (Late Oligocene-Early Miocene) Salla Beds of Northern Bolivia. <i>Journal of Geology</i> , 1985, 93, 223-250.	1.4	125
15	Chronology of internal drainage development and uplift, southern Puna plateau, Argentine central Andes. <i>Geology</i> , 1995, 23, 145.	4.4	125
16	Constraints on the metamorphic evolution of the eastern Himalayan syntaxis from geochronologic and petrologic studies of Namche Barwa. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 385-407.	3.3	124
17	Petrogenetic and tectonic significance of young leucogranites from the northwestern Himalaya, Pakistan. <i>Tectonics</i> , 1991, 10, 729-741.	2.8	116
18	Brahmaputra sediment flux dominated by highly localized rapid erosion from the easternmost Himalaya. <i>Geology</i> , 2008, 36, 711.	4.4	110

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19	Denudation of the Namche Barwa antiform, eastern Himalaya. <i>Earth and Planetary Science Letters</i> , 2011, 307, 323-333.	4.4	102
20	Intense localized rock uplift and erosion in the St. Elias orogen of Alaska. <i>Nature Geoscience</i> , 2009, 2, 360-363.	12.9	94
21	Unroofing history of a suture zone in the Himalaya of Pakistan by means of fission-track annealing ages. <i>Earth and Planetary Science Letters</i> , 1982, 57, 227-240.	4.4	93
22	The occurrence and fission-track ages of late neogene and quaternary volcanic sediments, Siwalik group, Northern Pakistan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1982, 37, 63-93.	2.3	92
23	Tectonics of Nanga Parbat, western Himalaya: Synkinematic plutonism within the doubly vergent shear zones of a crustal-scale pop-up structure. <i>Geology</i> , 1999, 27, 999.	4.4	89
24	Saddle-shaped age spectra from young, microstructurally complex potassium feldspars. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 1185-1199.	3.9	86
25	Timing and Duration of Himalayan Metamorphism within the Indian Plate, Northwest Himalaya, Pakistan. <i>Journal of Geology</i> , 1994, 102, 493-508.	1.4	85
26	Erosion in southern Tibet shut down at ~ 10 Ma due to enhanced rock uplift within the Himalaya. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12030-12035.	7.1	85
27	Thermochronometric data on the development of the basement peneplain in the Sierras Pampeanas, Argentina. <i>Journal of South American Earth Sciences</i> , 1989, 2, 207-222.	1.4	81
28	Geochronology and temperature history of the Nanga Parbat-Haramosh Massif, Pakistan. <i>Special Paper of the Geological Society of America</i> , 1989, , 1-22.	0.5	79
29	The thermochronological record of tectonic and surface process interaction at the Yakutat-North American collision zone in southeast Alaska. <i>Numerische Mathematik</i> , 2010, 310, 231-260.	1.4	79
30	An evaluation of low-temperature apatite U/Th/He thermochronometry. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5371-5377.	3.9	77
31	Constraints on the Tectonic Evolution of the Northwestern Himalaya from Geochronologic and Petrologic Studies of Babusar Pass, Pakistan. <i>Journal of Geology</i> , 1991, 99, 829-849.	1.4	72
32	Argon diffusion in partially outgassed alkali feldspars: Insights from analysis. <i>Chemical Geology: Isotope Geoscience Section</i> , 1987, 65, 167-181.	0.6	66
33	Late Cenozoic Paleomagnetism and Chronology of Andean Basins of Bolivia: Evidence for Possible Oroclinal Bending. <i>Journal of Geology</i> , 1990, 98, 541-555.	1.4	66
34	Rates of late Cenozoic tectonism in the Vallecito-Fish Creek basin, western Imperial Valley, California. <i>Geology</i> , 1983, 11, 664.	4.4	63
35	The Palaeozoic history of an unusual intracratonic thrust belt in central Australia based on ^{40}Ar - ^{39}Ar , K-Ar and fission track dating. <i>Journal of the Geological Society</i> , 1992, 149, 937-954.	2.1	62
36	Comparison of clastic wedge provenance in the Appalachian foreland using U/Pb ages of detrital zircons. <i>Tectonics</i> , 1997, 16, 151-160.	2.8	62

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37	Documentation of Neogene regional metamorphism in the Himalayas of Pakistan using U-Pb in monazite. <i>Earth and Planetary Science Letters</i> , 1992, 113, 93-105.	4.4	58
38	Magnetic Polarity Stratigraphy of the Middle Pleistocene (Ensenadan) Tarija Formation of Southern Bolivia. <i>Quaternary Research</i> , 1983, 19, 172-187.	1.7	57
39	Geochronologic constraints of the uplift and metamorphism along the Alpine Fault, South Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1995, 38, 515-523.	1.8	57
40	Boiling fluids in a region of rapid uplift, Nanga Parbat Massif, Pakistan. <i>Earth and Planetary Science Letters</i> , 1994, 128, 169-182.	4.4	56
41	Geochronological evidence for ~ 530 –550 Ma juxtaposition of two Proterozoic metamorphic terranes in the Musgrave Ranges, Central Australia. <i>Australian Journal of Earth Sciences</i> , 1992, 39, 457-471.	1.0	55
42	Early Miocene anatexis identified in the western syntaxis, Pakistan Himalaya. <i>Earth and Planetary Science Letters</i> , 1999, 167, 121-129.	4.4	54
43	Direct evidence for a steep geotherm under conditions of rapid denudation, Western Himalaya, Pakistan. <i>Geology</i> , 1994, 22, 1075.	4.4	53
44	Fundamentals of Noble Gas Thermochronometry. <i>Reviews in Mineralogy and Geochemistry</i> , 2005, 58, 123-149.	4.8	51
45	Active hydrothermal systems during the recent uplift of Nanga Parbat, Pakistan Himalaya. <i>Journal of Geophysical Research</i> , 1995, 100, 439-453.	3.3	48
46	Using thermochronometry and low-temperature demagnetization to accurately date Precambrian paleomagnetic poles. <i>Journal of Geophysical Research</i> , 2000, 105, 19435-19453.	3.3	48
47	Knickpoint evolution on the Yarlung river: Evidence for late Cenozoic uplift of the southeastern Tibetan plateau margin. <i>Earth and Planetary Science Letters</i> , 2015, 430, 448-457.	4.4	48
48	Tectonics and topographic evolution of Namche Barwa and the easternmost Lhasa block, Tibet. , 2014, , .		47
49	Provenance studies by fission-track dating of zircon-etching and counting procedures. <i>International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements</i> , 1987, 13, 121-126.	0.5	46
50	Solubility and trapping of helium in apatite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 1-8.	3.9	45
51	Geochronologic Constraints on the Tectonic Evolution and Exhumation of Nanga Parbat, Western Himalaya Syntaxis, Revisited. <i>Journal of Geology</i> , 2001, 109, 563-583.	1.4	41
52	Screening apatites for (U-Th)/He thermochronometry via continuous ramped heating: He age components and implications for age dispersion. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 90-106.	3.9	37
53	Geochronologic constraints on syntaxial development in the Nanga Parbat region, Pakistan. <i>Tectonics</i> , 1996, 15, 1292-1308.	2.8	33
54	Continuous Thermal Histories from Inversion of Closure Profiles. <i>Reviews in Mineralogy and Geochemistry</i> , 2005, 58, 389-409.	4.8	31

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55	Metamorphism and Melting of the Lithosphere Due to Rapid Denudation, Nanga Parbat Massif Himalaya. <i>Journal of Geology</i> , 1995, 103, 395-409.	1.4	30
56	The dynamics of the suture between the Kohistan island arc and the Indian plate in the Himalaya of Pakistan. <i>Journal of Metamorphic Geology</i> , 1989, 7, 135-149.	3.4	28
57	Dating late Pan-African cooling in the Ulluguru granulite complex of Eastern Tanzania using the $^{40}\text{Ar}/^{39}\text{Ar}$ technique. <i>Journal of African Earth Sciences (and the Middle East)</i> , 1989, 9, 159-167.	0.2	28
58	Comment on "Tectonic control of Yarlung Tsangpo Gorge revealed by a buried canyon in Southern Tibet". <i>Science</i> , 2015, 349, 799-799.	12.6	28
59	Ion-microprobe dating of zircon from quartz-graphite veins at the Bristol, New Hampshire, metamorphic hot spot. <i>Geology</i> , 1990, 18, 626.	4.4	27
60	Overview of hydrothermal activity associated with active orogenesis and metamorphism: Nanga Parbat, Pakistan Himalaya. <i>Numerische Mathematik</i> , 2002, 302, 726-748.	1.4	26
61	$^{40}\text{Ar}/^{39}\text{Ar}$ thermochronometry of K-feldspar from the KTB borehole, Germany. <i>Earth and Planetary Science Letters</i> , 1998, 158, 67-79.	4.4	25
62	Mazeno Pass Pluton and Jutial Pluton, Pakistan Himalaya: age and implications for entrapment mechanisms of two granites in the Himalaya. <i>Contributions To Mineralogy and Petrology</i> , 1999, 136, 273-284.	3.1	25
63	Zircon fission-track ages from the Gasherbrum Diorite, Karakoram Range, northern Pakistan. <i>Geology</i> , 1989, 17, 1044.	4.4	24
64	Temporal variations in the cooling and denudation history of the Hunza plutonic complex, Karakoram Batholith, revealed by $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology. <i>Tectonics</i> , 1996, 15, 403-415.	2.8	24
65	Episodic unroofing of the Kohistan Batholith, Pakistan: Implications from K-feldspar thermochronology. <i>Journal of Geophysical Research</i> , 1996, 101, 28149-28164.	3.3	23
66	Geochemistry of a dry steam geothermal zone formed during rapid uplift of Nanga Parbat, northern Pakistan. <i>Chemical Geology</i> , 1997, 142, 11-22.	3.3	23
67	Relict Topography Within the Hangay Mountains in Central Mongolia: Quantifying Long-Term Exhumation and Relief Change in an Old Landscape. <i>Tectonics</i> , 2018, 37, 2531-2558.	2.8	23
68	Whole-rock $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology, geochemistry, and stratigraphy of intraplate Cenozoic volcanic rocks, central Mongolia. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1397-1408.	3.3	19
69	Noble Gases Deliver Cool Dates from Hot Rocks. <i>Elements</i> , 2020, 16, 303-309.	0.5	19
70	The geochronology of metamorphic processes. <i>Geological Society Special Publication</i> , 1989, 43, 131-147.	1.3	17
71	Links between Mountain Uplift, Climate, and Surface Processes in the Southern Patagonian Andes. , 2006, , 429-440.		17
72	Instability of the southern Canadian Shield during the late Proterozoic. <i>Earth and Planetary Science Letters</i> , 2018, 490, 100-109.	4.4	17

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73	Characterization of helium release from apatite by continuous ramped heating. <i>Chemical Geology</i> , 2018, 476, 223-232.	3.3	16
74	Thermochronology of sandstone-hosted secondary Fe- and Mn-oxides near Moab, Utah: Record of paleo- fluid flow along a fault. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 93-113.	3.3	15
75	Reconstructing deep- time histories from integrated thermochronology: An example from southern Baffin Island, Canada. <i>Terra Nova</i> , 2019, 31, 189-204.	2.1	15
76	Thermochronologic constraints on the origin of the Great Unconformity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	15
77	A petrologic record of the collision between the Kohistan Island-Arc and Indian Plate, northwest Himalaya. <i>Special Paper of the Geological Society of America</i> , 1989, , 23-32.	0.5	14
78	Middle Pleistocene age of the fossiliferous sedimentary sequence from Tarija, Bolivia. <i>Quaternary Research</i> , 2013, 79, 268-273.	1.7	13
79	Discordant $^{40}\text{Ar}/^{39}\text{Ar}$ ages from the Musgrave Ranges, central Australia: Implications for the significance of hornblende $^{40}\text{Ar}/^{39}\text{Ar}$ spectra. <i>Chemical Geology: Isotope Geoscience Section</i> , 1991, 86, 139-160.	0.6	12
80	Uplift of Central Mongolia Recorded in Vesicular Basalts. <i>Journal of Geology</i> , 2016, 124, 435-445.	1.4	10
81	Helium diffusion systematics inferred from continuous ramped heating analysis of Transantarctic Mountains apatites showing age overdispersion. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 310, 113-130.	3.9	8
82	Paleomagnetic Record of a Geomagnetic Field Reversal from Late Miocene Mafic Intrusions, Southern Nevada. <i>Science</i> , 1994, 266, 412-416.	12.6	7
83	Metamorphic P-T path of granulites in the Musgrave Ranges, central Australia. <i>Geological Society Special Publication</i> , 1989, 43, 303-307.	1.3	6
84	A reassessment appraised: Comment on "Hornblende KAr ages and the climax of Tertiary metamorphism in the Lepontine Alps (south-central Switzerland): an old problem reassessed" by Alexander Deutsch and Rudolf H. Steiger. <i>Earth and Planetary Science Letters</i> , 1986, 76, 390-392.	4.4	5
85	Ar diffusion in partially outgassed alkali feldspars: Insights from analysis " Reply. <i>Chemical Geology: Isotope Geoscience Section</i> , 1988, 73, 268-269.	0.6	3
86	Measuring Noble Gases for Thermochronology. <i>Elements</i> , 2020, 16, 343-344.	0.5	2
87	Confronting Racism to Advance Our Science. <i>AGU Advances</i> , 2021, 2, e2020AV000296.	5.4	1
88	Comment and Reply on "Rates of late Cenozoic tectonism in the Vallecito-Fish Creek basin, western Imperial Valley, California" • <i>Geology</i> , 1984, 12, 320.	4.4	0
89	$^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology of shocked feldspars from the Manson impact structure. , 1996, , .		0
90	Thank You to Our 2019 Reviewers. <i>AGU Advances</i> , 2020, 1, e2020AV000181.	5.4	0

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91	AGU Advances Goes Online. AGU Advances, 2020, 1, e2019AV000105.	5.4	0
92	Thank You to Our 2020 Peer Reviewers. AGU Advances, 2021, 2, e2021AV000426.	5.4	0
93	Tectonic Aneurysm: A Culmination of Tectonic and Geomorphic Cooperation in Mountain Building. , 2021, , .		0
94	Thank You to Our 2021 Peer Reviewers. AGU Advances, 2022, 3, .	5.4	0