

# Eric Kirby

## List of Publications by Year in descending order

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59  
papers

6,660  
citations

136950

32  
h-index

144013

57  
g-index

63  
all docs

63  
docs citations

63  
times ranked

4006  
citing authors

#	ARTICLE	IF	CITATIONS
1	Initiation and Evolution of the Shanxi Rift System in North China: Evidence From Low-Temperature Thermochronology in a Plate Reconstruction Framework. <i>Tectonics</i> , 2021, 40, e2020TC006298.	2.8	42
2	Late Quaternary variations in paleoerosion rates in the northern Qilian Shan revealed by <sup>10</sup> Be in fluvial terraces. <i>Geomorphology</i> , 2021, 386, 107751.	2.6	2
3	Evaluating Models for Lithospheric Loss and Intraplate Volcanism Beneath the Central Appalachian Mountains. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022571.	3.4	9
4	Quaternary activity and seismogenic potential of the Sierra Chica Fault System, Pampean Ranges of Argentina. <i>Journal of South American Earth Sciences</i> , 2021, 110, 103328.	1.4	3
5	Existence of a continental-scale river system in eastern Tibet during the late Cretaceous–early Palaeogene. <i>Nature Communications</i> , 2021, 12, 7231.	12.8	28
6	Chronology of the Yellow River terraces at Qingtong Gorge (NE Tibet): Insights into evolution of the Yellow River since the Middle Pleistocene. <i>Geomorphology</i> , 2020, 349, 106889.	2.6	12
7	Seismic Reflection Imaging of the Low-Angle Panamint Normal Fault System, Eastern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020243.	3.4	3
8	Retention challenges for indigenous Peruvian college students on Beca 18 scholarship and strategies to improve their experiences and academic success. <i>Diaspora, Indigenous, and Minority Education</i> , 2020, 14, 162-176.	1.0	2
9	Ten Years After the Wenchuan Earthquake: New Insights Into the Geodynamics of the Eastern Tibet. <i>Tectonics</i> , 2020, 39, e2020TC006215.	2.8	5
10	Rates of Holocene normal faulting along the Dong Co fault in central Tibet, based on <sup>14</sup> C dating of displaced fluvial terraces. <i>Journal of Asian Earth Sciences</i> , 2019, 183, 103962.	2.3	10
11	Resolving time-space histories of Late Cenozoic bedrock incision along the Upper Colorado River, USA. <i>Geomorphology</i> , 2019, 347, 106855.	2.6	10
12	Climate preconditions the Critical Zone: Elucidating the role of subsurface fractures in the evolution of asymmetric topography. <i>Earth and Planetary Science Letters</i> , 2019, 513, 197-205.	4.4	26
13	Late Quaternary paleoseismology of the Milin fault: Implications for active tectonics along the Yarlung Zangbo Suture, Southeastern Tibet Plateau. <i>Tectonophysics</i> , 2018, 731-732, 64-72.	2.2	11
14	Stratigraphic control of landscape response to base-level fall, Young Womans Creek, Pennsylvania, USA. <i>Earth and Planetary Science Letters</i> , 2018, 504, 163-173.	4.4	22
15	Doubt cast on how the pace of global glacial erosion responds to climate cooling. <i>Nature</i> , 2018, 559, 34-35.	27.8	2
16	Characterizing the transient geomorphic response to base-level fall in the northeastern Tibetan Plateau. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 546-572.	2.8	36
17	Evaluating the size and extent of paleolakes in central Tibet during the late Pleistocene. <i>Geophysical Research Letters</i> , 2017, 44, 5476-5485.	4.0	18
18	Rapid and punctuated Late Holocene recession of Siling Co, central Tibet. <i>Quaternary Science Reviews</i> , 2017, 172, 15-31.	3.0	45

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19	Slip Inversion Along Inner Forearc Faults, Eastern Tohoku, Japan. <i>Tectonics</i> , 2017, 36, 2647-2668.	2.8	9
20	Oxidative dissolution under the channel leads geomorphological evolution at the Shale Hills catchment. <i>Numerische Mathematik</i> , 2016, 316, 981-1026.	1.4	55
21	Reply to Comment on "Crustal strength in central Tibet determined from Holocene shoreline deflection around Siling Co". <i>Earth and Planetary Science Letters</i> , 2016, 433, 396-398.	4.4	1
22	Rates and kinematics of active shortening along the eastern Qilian Shan, China, inferred from deformed fluvial terraces. <i>Tectonics</i> , 2015, 34, 2478-2493.	2.8	46
23	On the evolution of seismogenic faults in the Longmen Shan, eastern Tibet. <i>Journal of Asian Earth Sciences</i> , 2015, 111, 624-631.	2.3	10
24	The growth of a mountain belt forced by base-level fall: Tectonics and surface processes during the evolution of the Alborz Mountains, N Iran. <i>Earth and Planetary Science Letters</i> , 2015, 425, 204-218.	4.4	47
25	Crustal strength in central Tibet determined from Holocene shoreline deflection around Siling Co. <i>Earth and Planetary Science Letters</i> , 2015, 423, 145-154.	4.4	42
26	Aspect-dependent variations in regolith creep revealed by meteoric <sup>10</sup> Be. <i>Geology</i> , 2014, 42, 507-510.	4.4	64
27	Holocene slip rate along the Gyaring Co Fault, central Tibet. <i>Geophysical Research Letters</i> , 2014, 41, 5829-5837.	4.0	24
28	Distributed deformation around the eastern tip of the Kunlun fault. <i>International Journal of Earth Sciences</i> , 2013, 102, 1759-1772.	1.8	39
29	The growth of northeastern Tibet and its relevance to large-scale continental geodynamics: A review of recent studies. <i>Tectonics</i> , 2013, 32, 1358-1370.	2.8	350
30	Active forearc shortening in Tohoku, Japan: Constraints on fault geometry from erosion rates and fluvial longitudinal profiles. <i>Geomorphology</i> , 2013, 195, 84-98.	2.6	35
31	Neogene rejuvenation of central Appalachian topography: Evidence for differential rock uplift from stream profiles and erosion rates. <i>Earth and Planetary Science Letters</i> , 2013, 369-370, 1-12.	4.4	143
32	Low-temperature thermochronometry along the Kunlun and Haiyuan Faults, NE Tibetan Plateau: Evidence for kinematic change during late-stage orogenesis. <i>Tectonics</i> , 2013, 32, 1190-1211.	2.8	241
33	Relationship between outer forearc subsidence and plate boundary kinematics along the Northeast Japan convergent margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5227-5243.	2.5	22
34	Lithologic and tectonic controls on bedrock channel form at the northwest Himalayan front. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1806-1825.	2.8	85
35	Paleoseismology of the southern Panamint Valley fault: Implications for regional earthquake occurrence and seismic hazard in southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5126-5146.	3.4	16
36	Expression of active tectonics in erosional landscapes. <i>Journal of Structural Geology</i> , 2012, 44, 54-75.	2.3	761

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37	Tectonically twisted rivers. <i>Nature Geoscience</i> , 2012, 5, 688-689.	12.9	4
38	Tectonic setting of Cretaceous basins on the NE Tibetan Plateau: insights from the Jungong basin. <i>Basin Research</i> , 2012, 24, 51-69.	2.7	22
39	Tectonic geomorphology along the eastern margin of Tibet: insights into the pattern and processes of active deformation adjacent to the Sichuan Basin. <i>Geological Society Special Publication</i> , 2011, 353, 165-188.	1.3	99
40	Late Miocene–Pliocene range growth in the interior of the northeastern Tibetan Plateau. <i>Lithosphere</i> , 2011, 3, 420-438.	1.4	116
41	Preliminary estimates of regolith generation and mobility in the Susquehanna Shale Hills Critical Zone Observatory, Pennsylvania, using meteoric <sup>10</sup> Be. <i>Applied Geochemistry</i> , 2011, 26, S146-S148.	3.0	12
42	Along-strike topographic variation of the Longmen Shan and its significance for landscape evolution along the eastern Tibetan Plateau. <i>Journal of Asian Earth Sciences</i> , 2011, 40, 855-864.	2.3	50
43	A revised chronology for Tertiary sedimentation in the Sikouzi basin: Implications for the tectonic evolution of the northeastern corner of the Tibetan Plateau. <i>Tectonophysics</i> , 2011, 505, 100-114.	2.2	132
44	Rapid fluvial incision along the Yellow River during headward basin integration. <i>Nature Geoscience</i> , 2010, 3, 209-213.	12.9	210
45	Timing and magnitude of shortening within the inner fore arc of the Japan Trench. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
46	Evaluating the role of climate and tectonics during non-steady incision of the Yellow River: evidence from a 1.24Ma terrace record near Lanzhou, China. <i>Quaternary Science Reviews</i> , 2009, 28, 3281-3290.	3.0	118
47	Integrated geomorphic and geodynamic modeling of a potential blind thrust in the San Francisco Bay area, California. <i>Tectonophysics</i> , 2009, 471, 319-328.	2.2	4
48	Stress changes from the 2008 Wenchuan earthquake and increased hazard in the Sichuan basin. <i>Nature</i> , 2008, 454, 509-510.	27.8	376
49	Topography reveals seismic hazard. <i>Nature Geoscience</i> , 2008, 1, 485-487.	12.9	98
50	Transient fluvial incision in the headwaters of the Yellow River, northeastern Tibet, China. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	236
51	Temporal variations in slip rate of the White Mountain Fault Zone, Eastern California. <i>Earth and Planetary Science Letters</i> , 2006, 248, 168-185.	4.4	54
52	Tectonics from topography: Procedures, promise, and pitfalls. , 2006, , .		410
53	Tectonic and lithologic controls on bedrock channel profiles and processes in coastal California. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	359
54	Distribution of active rock uplift along the eastern margin of the Tibetan Plateau: Inferences from bedrock channel longitudinal profiles. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	395

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55	Constraints on India-Eurasia collision in the Arabian Sea region taken from the Indus Group, Ladakh Himalaya, India. Geological Society Special Publication, 2002, 195, 97-116.	1.3	53
56	Late Cenozoic evolution of the eastern margin of the Tibetan Plateau: Inferences from $^{40}\text{Ar}/^{39}\text{Ar}$ and (U-Th)/He thermochronology. Tectonics, 2002, 21, 1-1-1-20.	2.8	484
57	Quantifying differential rock-uplift rates via stream profile analysis. Geology, 2001, 29, 415.	4.4	631
58	Geomorphic limits to climate-induced increases in topographic relief. Nature, 1999, 401, 39-43.	27.8	445
59	Tectonic setting of the Sandia pluton: An orogenic 1.4 Ga granite in New Mexico. Tectonics, 1995, 14, 185-201.	2.8	60