Kristen Cook

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8308705/publications.pdf

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29 papers	1,444 citations	471509 17 h-index	552781 26 g-index
50 all docs	50 docs citations	50 times ranked	2038 citing authors

#	Article	IF	Citations
1	An evaluation of the effectiveness of low-cost UAVs and structure from motion for geomorphic change detection. Geomorphology, 2017, 278, 195-208.	2.6	287
2	Glacial lake outburst floods as drivers of fluvial erosion in the Himalaya. Science, 2018, 362, 53-57.	12.6	226
3	A demonstration of the importance of bedload transport for fluvial bedrock erosion and knickpoint propagation. Earth Surface Processes and Landforms, 2013, 38, 683-695.	2.5	156
4	The role of crustal strength variations in shaping orogenic plateaus, with application to Tibet. Journal of Geophysical Research, 2008, 113, .	3.3	131
5	River gorge eradication by downstream sweep erosion. Nature Geoscience, 2014, 7, 682-686.	12.9	63
6	Rapid incision of the Colorado River in Glen Canyon â€“ insights from channel profiles, local incision rates, and modeling of lithologic controls. Earth Surface Processes and Landforms, 2009, 34, 994-1010.	2.5	56
7	Detection and potential early warning of catastrophic flow events with regional seismic networks. Science, 2021, 374, 87-92.	12.6	54
8	The mineralogy, texture and significance of silica derived from alteration by steam condensate in three New Zealand geothermal fields. Clay Minerals, 2002, 37, 299-322.	0.6	53
9	Short Communication: A simple workflow for robust low-cost UAV-derived change detection without ground control points. Earth Surface Dynamics, 2019, 7, 1009-1017.	2.4	44
10	Exhumation history and faulting activity of the southern segment of the Longmen Shan, eastern Tibet. Journal of Asian Earth Sciences, 2014, 81, 91-104.	2.3	38
11	Age and anatomy of the Gongga Shan batholith, eastern Tibetan Plateau, and its relationship to the active Xianshui-he fault. , 2016, 12, 948-970.		38
12	Migration of a coarse fluvial sediment pulse detected by hysteresis in bedload generated seismic waves. Earth and Planetary Science Letters, 2014, 404, 144-153.	4.4	35
13	Spatiotemporal patterns, triggers and anatomies of seismically detected rockfalls. Earth Surface Dynamics, 2017, 5, 757-779.	2.4	33
14	Building the central Andes through axial lower crustal flow. Tectonics, 2010, 29, .	2.8	30
15	Causes of rapid uplift and exceptional topography of Gongga Shan on the eastern margin of the Tibetan Plateau. Earth and Planetary Science Letters, 2018, 481, 328-337.	4.4	27
16	Field techniques for measuring bedrock erosion and denudation. Earth Surface Processes and Landforms, 2017, 42, 109-127.	2.5	26
17	More than heavy rain turning into fast-flowing water â€“ a landscape perspective on the 2021 Eifel floods. Natural Hazards and Earth System Sciences, 2022, 22, 1845-1856.	3.6	26
18	Subsurface Moisture Regulates Himalayan Groundwater Storage and Discharge. AGU Advances, 2021, 2, e2021AV000398.	5.4	20

#	Article	IF	Citations
19	The effect of lithology on the relationship between denudation rate and chemical weathering pathways â€“ evidence from the eastern Tibetan Plateau. Earth Surface Dynamics, 2022, 10, 513-530.	2.4	14
20	Impact of Nested Moisture Cycles on Coastal Chalk Cliff Failure Revealed by Multiseasonal Seismic and Topographic Surveys. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005487.	2.8	12
21	Width control on eventâ€scale deposition and evacuation of sediment in bedrockâ€confined channels. Earth Surface Processes and Landforms, 2020, 45, 3702-3713.	2.5	12
22	Seismic Velocity Recovery in the Subsurface: Transient Damage and Groundwater Drainage Following the 2015 Gorkha Earthquake, Nepal. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	11
23	Late Holocene Landscape Collapse of a Transâ€Himalayan Dryland: Human Impact and Aridification. Geophysical Research Letters, 2019, 46, 13814-13824.	4.0	10
24	Development of smart boulders to monitor mass movements via the Internet of Things: a pilot study in Nepal. Earth Surface Dynamics, 2021, 9, 295-315.	2.4	10
25	Seismic Advances in Process Geomorphology. Annual Review of Earth and Planetary Sciences, 2022, 50, 183-204.	11.0	9
26	Ten Years After the Wenchuan Earthquake: New Insights Into the Geodynamics of the Eastern Tibet. Tectonics, 2020, 39, e2020TC006215.	2.8	5
27	Cenozoic exhumation of the Danba antiform, eastern Tibet: Evidence from low-temperature thermochronology. Lithosphere, 0, , L613.1.	1.4	3
28	Seismological rockslide warnings in the Himalaya. Science, 2021, 372, 247-247.	12.6	3
29	Short Communication: A simple workflow for robust low-cost UAV-derived change detection without ground control points. , 0, , .		1