

Hongey Chen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,266
citations

257357

24
h-index

289141

40
g-index

40
all docs

40
docs citations

40
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	Links between erosion, runoff variability and seismicity in the Taiwan orogen. <i>Nature</i> , 2003, 426, 648-651.	13.7	787
2	Earthquake-triggered increase in sediment delivery from an active mountain belt. <i>Geology</i> , 2004, 32, 733.	2.0	471
3	Prolonged seismically induced erosion and the mass balance of a large earthquake. <i>Earth and Planetary Science Letters</i> , 2011, 304, 347-355.	1.8	341
4	Tropical-cyclone-driven erosion of the terrestrial biosphere from mountains. <i>Nature Geoscience</i> , 2008, 1, 759-762.	5.4	264
5	Efficient transport of fossil organic carbon to the ocean by steep mountain rivers: An orogenic carbon sequestration mechanism. <i>Geology</i> , 2011, 39, 71-74.	2.0	142
6	Effects of earthquake and cyclone sequencing on landsliding and fluvial sediment transfer in a mountain catchment. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1354-1373.	1.2	125
7	Recent rainfall-induced landslides and debris flow in northern Taiwan. <i>Geomorphology</i> , 2006, 77, 112-125.	1.1	116
8	The isotopic composition of particulate organic carbon in mountain rivers of Taiwan. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3164-3181.	1.6	112
9	The Climatic Signature of Incised River Meanders. <i>Science</i> , 2010, 327, 1497-1501.	6.0	98
10	Influence of typhoons and earthquakes on rainfall-induced landslides and suspended sediments discharge. <i>Engineering Geology</i> , 2008, 97, 32-41.	2.9	96
11	Climatic and geomorphic controls on the erosion of terrestrial biomass from subtropical mountain forest. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	79
12	The mechanism of rockfall disaster: A case study from Badouzi, Keelung, in northern Taiwan. <i>Engineering Geology</i> , 2014, 183, 116-126.	2.9	59
13	Increase in basin sediment yield from landslides in storms following major seismic disturbance. <i>Engineering Geology</i> , 2009, 103, 59-65.	2.9	56
14	Relationship between landslide size and rainfall conditions in Taiwan. <i>Landslides</i> , 2017, 14, 1235-1240.	2.7	39
15	Effects of topography, lithology, rainfall and earthquake on landslide and sediment discharge in mountain catchments of southeastern Taiwan. <i>Geomorphology</i> , 2011, 133, 132-142.	1.1	38
16	Continuous catchment-scale monitoring of geomorphic processes with a 2D seismic array. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1956-1974.	1.0	36
17	Some factors affecting the uniaxial strength of weak sandstones. <i>Bulletin of Engineering Geology and the Environment</i> , 2003, 62, 323-332.	1.6	34
18	Impact of rainstorm-triggered landslides on high turbidity in a mountain reservoir. <i>Engineering Geology</i> , 2011, 117, 97-103.	2.9	33

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19	The relationship of rainfall energy with landslides and sediment delivery. <i>Engineering Geology</i> , 2012, 125, 108-118.	2.9	32
20	A first near real-time seismology-based landquake monitoring system. <i>Scientific Reports</i> , 2017, 7, 43510.	1.6	31
21	Geological factors for hazardous debris flows in Hoser, central Taiwan. <i>Environmental Geology</i> , 2001, 40, 1114-1124.	1.2	30
22	Evaluating the susceptibility of landslide landforms in Japan using slope stability analysis: a case study of the 2016 Kumamoto earthquake. <i>Landslides</i> , 2017, 14, 1793-1801.	2.7	29
23	Controlling factors of hazardous debris flow in Taiwan. <i>Quaternary International</i> , 2006, 147, 3-15.	0.7	27
24	Characteristics of rainfall intensity, duration, and kinetic energy for landslide triggering in Taiwan. <i>Engineering Geology</i> , 2017, 231, 81-87.	2.9	27
25	Sediment yield during typhoon events in relation to landslides, rainfall, and catchment areas in Taiwan. <i>Geomorphology</i> , 2018, 303, 540-548.	1.1	24
26	Adopting the rainfall index and landslide susceptibility for the establishment of an early warning model for rainfall-induced shallow landslides. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1717-1733.	1.5	24
27	Distributions of landslides, vegetation, and related sediment yields during typhoon events in northwestern Taiwan. <i>Geomorphology</i> , 2016, 273, 1-13.	1.1	23
28	Evaluating critical rainfall conditions for large-scale landslides by detecting event times from seismic records. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2877-2891.	1.5	18
29	The effect of orientation and shape distribution of gravel on slope angles in central Taiwan. <i>Engineering Geology</i> , 2004, 72, 19-31.	2.9	16
30	Various links between landslide debris and sediment flux during earthquake and rainstorm events. <i>Journal of Asian Earth Sciences</i> , 2012, 54-55, 41-48.	1.0	12
31	Locating rock slope failures along highways and understanding their physical processes using seismic signals. <i>Earth Surface Dynamics</i> , 2021, 9, 505-517.	1.0	12
32	Transient deformation induced by groundwater change in Taipei metropolitan area revealed by high resolution X-band SAR interferometry. <i>Tectonophysics</i> , 2016, 692, 265-277.	0.9	8
33	Recurrence of hyper-concentration flows on the orogenic, subtropical island of Taiwan. <i>Journal of Hydrology</i> , 2013, 502, 139-144.	2.3	5
34	Impact of an Extreme Typhoon Event on Subsequent Sediment Discharges and Rainfall-Driven Landslides in Affected Mountainous Regions of Taiwan. <i>Geofluids</i> , 2018, 2018, 1-11.	0.3	5
35	Effects of free convection and friction on heat-pulse flowmeter measurement. <i>Journal of Hydrology</i> , 2012, 428-429, 182-190.	2.3	4
36	The sources and fluxes of dissolved chemistry in a semi-confined, sandy coastal aquifer: The Pingtung Plain, Taiwan. <i>Applied Geochemistry</i> , 2013, 33, 222-236.	1.4	3

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37	Estimation of the antecedent rainfall period for mass movements in Taiwan. Environmental Earth Sciences, 2018, 77, 1.	1.3	3
38	Preliminary establishment of a mass movement warning system for Taiwan using the soil water index. Landslides, 2022, 19, 1779-1789.	2.7	3
39	The relationship between slope gradient and lateritic cobble orientation with respect to shape, northwestern Taiwan. Environmental Geology, 2002, 42, 565-574.	1.2	2
40	A pixel analysis technique and unmanned aircraft system for horizontal displacement in the landslide potential area. Geoscience Letters, 2022, 9, .	1.3	2