M-H Huang

List of Publications by Year
in descending order

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32 papers	928 citations	516681 16 h-index	477281 29 g-index
41 all docs	41 docs citations	41 times ranked	1141 citing authors

#	Article	IF	Citations
1	A shift from drought to extreme rainfall drives a stable landslide to catastrophic failure. Scientific Reports, 2019, 9, 1569.	3.3	117
2	Probing the lithospheric rheology across the eastern margin of the Tibetan Plateau. Earth and Planetary Science Letters, 2014, 396, 88-96.	4.4	105
3	Coseismic deformation and triggered landslides of the 2016 M_w 6.2 Amatrice earthquake in Italy. Geophysical Research Letters, 2017, 44, 1266-1274.	4.0	98
4	Widespread Initiation, Reactivation, and Acceleration of Landslides in the Northern California Coast Ranges due to Extreme Rainfall. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1782-1797.	2.8	71
5	Multiple fault slip triggered above the 2016 M_w 6.4 MeiNong earthquake in Taiwan. Geophysical Research Letters, 2016, 43, 7459-7467.	4.0	65
6	GPS crustal deformation, strain rate, and seismic activity after the 1999 Chiâ€Chi earthquake in Taiwan. Journal of Geophysical Research, 2010, 115, .	3.3	48
7	Using differential SAR interferometry to map land subsidence: a case study in the Pingtung Plain of SW Taiwan. Natural Hazards, 2011, 58, 1311-1332.	3.4	41
8	Joint inversion of seismic and geodetic data for the source of the 2010 March 4, Mw 6.3 Jia-Shian, SW Taiwan, earthquake. Geophysical Journal International, 2013, 193, 1608-1626.	2.4	34
9	Fault geometry inversion and slip distribution of the 2010 M_w 7.2 El Mayorâ€Cucapah earthquake from geodetic data. Journal of Geophysical Research: Solid Earth, 2017, 122, 607-621.	3.4	34
10	Fault activity and lateral extrusion inferred from velocity field revealed by GPS measurements in the Pingtung area of southwestern Taiwan. Journal of Asian Earth Sciences, 2007, 31, 287-302.	2.3	30
11	Kinematic Finite-Source Model for the 24 August 2014 South Napa, California, Earthquake from Joint Inversion of Seismic, GPS, and InSAR Data. Seismological Research Letters, 0, , .	1.9	29
12	Fifteen years of surface deformation in Western Taiwan: Insight from SAR interferometry. Tectonophysics, 2016, 692, 252-264.	2.2	24
13	A growing structure near the deformation front in SW Taiwan as deduced from SAR interferometry and geodetic observation. Geophysical Research Letters, 2006, 33, .	4.0	23
14	Active deformation of Tainan tableland of southwestern Taiwan based on geodetic measurements and SAR interferometry. Tectonophysics, 2009, 466, 322-334.	2.2	22
15	The Complexity of the 2018 M_w 6.4 Hualien Earthquake in East Taiwan. Geophysical Research Letters, 2018, 45, 13,249.	4.0	20
16	Exploiting UAVSAR for a comprehensive analysis of subsidence in the Sacramento Delta. Remote Sensing of Environment, 2019, 220, 124-134.	11.0	20
17	Generating landslide density heatmaps for rapid detection using open-access satellite radar data in Google Earth Engine. Natural Hazards and Earth System Sciences, 2022, 22, 753-773.	3.6	18
18	Shallow geological structures triggered during the Mw 6.4 Meinong earthquake, southwestern Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2017, 28, 663-681.	0.6	14

#	Article	IF	Citations
19	Bedrock Vadose Zone Storage Dynamics Under Extreme Drought: Consequences for Plant Water Availability, Recharge, and Runoff. Water Resources Research, 2022, 58, .	4.2	14
20	Inferring the Subsurface Geometry and Strength of Slowâ€Moving Landslides Using 3â€Ð Velocity Measurements From the NASA/JPL UAVSAR. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005898.	2.8	13
21	The Relationship Between Topography, Bedrock Weathering, and Water Storage Across a Sequence of Ridges and Valleys. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005848.	2.8	13
22	Bayesian Seismic Refraction Inversion for Critical Zone Science and Nearâ€Surface Applications. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009172.	2.5	12
23	Structure and Deformation History of the Rapidly Growing Tainan Anticline at the Deformation Front of the Taiwan Mountain Belt. Tectonics, 2019, 38, 3311-3334.	2.8	10
24	Lithospheric rheology constrained from twenty-five years of postseismic deformation following the 1989 M 6.9 Loma Prieta earthquake. Earth and Planetary Science Letters, 2016, 435, 147-158.	4.4	8
25	Evidence for Fluid Migration During the 2016 Meinong, Taiwan, Aftershock Sequence. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019994.	3.4	8
26	Inferred rheological structure and mantle conditions from postseismic deformation following the 2010 Mw 7.2 El Mayor-Cucapah Earthquake. Geophysical Journal International, 2018, 213, 1720-1730.	2.4	7
27	Projected Seismic Activity at the Tiger Stripe Fractures on Enceladus, Saturn, From an Analog Study of Tidally Modulated Icequakes Within the Ross Ice Shelf, Antarctica. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006862.	3.6	7
28	Total Variation Regularization of Geodetically Constrained Block Models in Southwest Taiwan. Journal of Geophysical Research: Solid Earth, 2019, 124, 13269-13285.	3.4	6
29	Estimating Azimuth Offset With Double-Difference Interferometric Phase: The Effect of Azimuth FM Rate Error in Focusing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7018-7031.	6.3	5
30	Refining the 2018 MwÂ7.5 Papua New Guinea Earthquake Fault-Slip Model Using Subpixel Offset. Bulletin of the Seismological Society of America, 2021, 111, 1032-1042.	2.3	4
31	Icequakeâ€Magnitude Scaling Relationship Along a Rift Within the Ross Ice Shelf, Antarctica. Geophysical Research Letters, 2022, 49, .	4.0	4
32	Imaging Complex Fault Slip of Large Earthquakes with Sentinel-1 and ALOS-2 SAR Analysis and Other Geodetic and Seismic Data. , 2021, , .		0