

Hsin-Hua Huang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,258
citations

361413

20
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1380
citing authors

#	ARTICLE	IF	CITATIONS
1	The Yellowstone magmatic system from the mantle plume to the upper crust. <i>Science</i> , 2015, 348, 773-776.	12.6	220
2	Geophysical Investigations of Habitability in Ice-Covered Ocean Worlds. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 180-205.	3.6	133
3	Joint Vp and Vs tomography of Taiwan: Implications for subduction-collision orogeny. <i>Earth and Planetary Science Letters</i> , 2014, 392, 177-191.	4.4	118
4	Crust-mantle boundaries in the Taiwan-Luzon arc-continent collision system determined from local earthquake tomography and 1D models: Implications for the mode of subduction polarity reversal. <i>Tectonophysics</i> , 2012, 578, 31-49.	2.2	65
5	Multiple fault slip triggered above the 2016 M_w 6.4 Meinong earthquake in Taiwan. <i>Geophysical Research Letters</i> , 2016, 43, 7459-7467.	4.0	65
6	Relationship Between Earthquake b -Values and Crustal Stresses in a Young Orogenic Belt. <i>Geophysical Research Letters</i> , 2018, 45, 1832-1837.	4.0	39
7	Expected Seismicity and the Seismic Noise Environment of Europa. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 163-179.	3.6	38
8	The Preliminary Study of the 4 March 2010 M_w 6.3 Jiasian, Taiwan Earthquake Sequence. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2011, 22, 283.	0.6	33
9	Investigating the lithospheric velocity structures beneath the Taiwan region by nonlinear joint inversion of local and teleseismic P -wave data: Slab continuity and deflection. <i>Geophysical Research Letters</i> , 2014, 41, 6350-6357.	4.0	31
10	Vital Signs: Seismology of Icy Ocean Worlds. <i>Astrobiology</i> , 2018, 18, 37-53.	3.0	31
11	Tomographic Images of Magma Chambers Beneath the Avacha and Koryaksky Volcanoes in Kamchatka. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9694-9713.	3.4	29
12	Numerical earthquake model of the 31 October 2013 Ruisui, Taiwan, earthquake: Source rupture process and seismic wave propagation. <i>Journal of Asian Earth Sciences</i> , 2014, 96, 374-385.	2.3	28
13	Synchronized and asynchronous modulation of seismicity by hydrological loading: A case study in Taiwan. <i>Science Advances</i> , 2021, 7, .	10.3	28
14	Tectonic erosion and the removal of forearc lithosphere during arc-continent collision: Evidence from recent earthquake sequences and tomography results in eastern Taiwan. <i>Journal of Asian Earth Sciences</i> , 2011, 42, 415-422.	2.3	27
15	High-resolution probing of inner core structure with seismic interferometry. <i>Geophysical Research Letters</i> , 2015, 42, 10,622.	4.0	27
16	Faster Short-Distance Earthquake Early Warning Using Continued Monitoring of Filtered Vertical Displacement: A Case Study for the 2010 Jiasian, Taiwan, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 701-709.	2.3	25
17	A strong-motion hot spot of the 2016 Meinong, Taiwan, earthquake ($M_w = 6.4$). <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017, 28, 637-650.	0.6	25
18	Seismology-based early identification of dam-formation landslide events. <i>Scientific Reports</i> , 2016, 6, 19259.	3.3	23

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19	The crustal deformation of the Ilan Plain acted as a westernmost extension of the Okinawa Trough. <i>Tectonophysics</i> , 2009, 466, 344-355.	2.2	22
20	Slab interactions in the Taiwan region based on the P- and S-velocity distributions in the upper mantle. <i>Journal of Asian Earth Sciences</i> , 2014, 79, 53-64.	2.3	22
21	First local seismic tomography for Red River shear zone, northern Vietnam: Stepwise inversion employing crustal P and Pn waves. <i>Tectonophysics</i> , 2013, 584, 230-239.	2.2	21
22	The Complexity of the 2018 <i>M_w</i> 6.4 Hualien Earthquake in East Taiwan. <i>Geophysical Research Letters</i> , 2018, 45, 13,249.	4.0	20
23	Basin inversion in central Taiwan and its importance for seismic hazard. <i>Geology</i> , 2014, 42, 147-150.	4.4	18
24	Seismotectonics of northeastern Taiwan: Kinematics of the transition from waning collision to subduction and postcollisional extension. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
25	Imaging high-pressure rock exhumation in eastern Taiwan. <i>Geology</i> , 2015, 43, 651-654.	4.4	15
26	The inner core hemispheric boundary near 180 °W. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 272, 1-16.	1.9	14
27	Development of a statistics-based nowcasting model for earthquake-triggered landslides in Taiwan. <i>Engineering Geology</i> , 2021, 289, 106177.	6.3	14
28	Near-Real-Time Estimates on Earthquake Rupture Directivity Using Near-Field Ground Motion Data From a Dense Low-Cost Seismic Network. <i>Geophysical Research Letters</i> , 2018, 45, 7496-7503.	4.0	13
29	Numerical earthquake models of the 2013 Nantou, Taiwan, earthquake series: Characteristics of source rupture processes, strong ground motions and their tectonic implication. <i>Journal of Asian Earth Sciences</i> , 2015, 111, 365-372.	2.3	12
30	Detecting pre-eruptive magmatic processes of the 2018 eruption at Kilauea, Hawaii volcano with ambient noise interferometry. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	12
31	Ps mantle transition zone imaging beneath the Colorado Rocky Mountains: Evidence for an upwelling hydrous mantle. <i>Earth and Planetary Science Letters</i> , 2018, 492, 197-205.	4.4	10
32	Toward automated directivity estimates in earthquake moment tensor inversion. <i>Geophysical Journal International</i> , 2017, 211, 1062-1076.	2.4	8
33	Evidence for Fluid Migration During the 2016 Meinong, Taiwan, Aftershock Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019994.	3.4	8
34	Controls on Seasonal Variations of Crustal Seismic Velocity in Taiwan Using Single-Station Cross-Component Analysis of Ambient Noise Interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	8
35	Seismogenic structure beneath the northern Longitudinal Valley revealed by the 2018–2021 Hualien earthquake sequences and 3-D velocity model. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2022, 33, .	0.6	8
36	On the Use of Explosion Records for Examining Earthquake Location Uncertainty in Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 685.	0.6	7

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37	Re-Examining Source Parameters of the 2012 Wutai, Taiwan Earthquake. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 827.	0.6	6
38	Induced transtensional earthquakes after the 1999 Chi-Chi earthquake in the compressional collision belt of western Taiwan. <i>Geophysical Journal International</i> , 2014, 200, 638-651.	2.4	5
39	Unveiling Tatun volcanic plumbing structure induced by post-collisional extension of Taiwan mountain belt. <i>Scientific Reports</i> , 2021, 11, 5286.	3.3	4
40	High-Resolution 3-D Shear Wave Velocity Model of Northern Taiwan via Bayesian Joint Inversion of Rayleigh Wave Ellipticity and Phase Velocity With Formosa Array. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021610.	3.4	4
41	Probing depth origin of gravity anomalies in Taiwan through 3-D coherent velocity model. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2021, 32, 305-317.	0.6	3