

Hao Kuo-Chen

List of Publications by Year in descending order

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50
papers

952
citations

430874

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54
all docs

54
docs citations

54
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional P velocity structures of the lithosphere beneath Taiwan from the analysis of TAIGER and related seismic data sets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	104
2	Coseismic versus interseismic ground deformations, fault rupture inversion and segmentation revealed by 2003Mw6.8 Chengkung earthquake in eastern Taiwan. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	63
3	Relocation of Eastern Taiwan Earthquakes and Tectonic Implications. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2004, 15, 647.	0.6	51
4	Anomalous decrease in groundwater radon before the Taiwan M6.8 Chengkung earthquake. <i>Journal of Environmental Radioactivity</i> , 2006, 88, 101-106.	1.7	50
5	Seismic structure in the southeastern China using teleseismic receiver functions. <i>Tectonophysics</i> , 2013, 606, 24-35.	2.2	44
6	Subsurface imaging, TAIGER experiments and tectonic models of Taiwan. <i>Journal of Asian Earth Sciences</i> , 2014, 90, 173-208.	2.3	42
7	A Mechanism for Anomalous Decline in Radon Precursory to an Earthquake. <i>Ground Water</i> , 2006, 44, 060515010223001-???	1.3	41
8	3D Crustal Shear-Wave Velocity Structure of the Taiwan Strait and Fujian, SE China, Revealed by Ambient Noise Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8016-8031.	3.4	40
9	2003 Mw6.8 Chengkung earthquake and its related seismogenic structures. <i>Journal of Asian Earth Sciences</i> , 2007, 31, 332-339.	2.3	33
10	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
11	Copula-based joint probability function for PGA and CAV: a case study from Taiwan. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 2123-2136.	4.4	31
12	Coseismic deformation revealed by inversion of strong motion and GPS data: the 2003 Chengkung earthquake in eastern Taiwan. <i>Geophysical Journal International</i> , 2007, 169, 667-674.	2.4	30
13	Deep crustal structure of an arc-continent collision: Constraints from seismic traveltimes in central Taiwan and the Philippine Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8397-8416.	3.4	28
14	Seismic evidence for the \pm quartz transition beneath Taiwan from Vp/Vs tomography. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	27
15	Crustal structures from the Wuyi-Yunkai orogen to the Taiwan orogen: The onshore-offshore wide-angle seismic experiments of the TAIGER and ATSEE projects. <i>Tectonophysics</i> , 2016, 692, 164-180.	2.2	23
16	Insights into Seismogenic Deformation during the 2018 Hualien, Taiwan, Earthquake Sequence from InSAR, GPS, and Modeling. <i>Seismological Research Letters</i> , 2019, 90, 78-87.	1.9	23
17	A lithospheric profile across northern Taiwan: from arc-continent collision to extension. <i>Geophysical Journal International</i> , 2016, 204, 331-346.	2.4	20
18	How the structural architecture of the Eurasian continental margin affects the structure, seismicity, and topography of the south central Taiwan fold-thrust belt. <i>Tectonics</i> , 2017, 36, 1275-1294.	2.8	18

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19	Reliability assessment on earthquake early warning: A case study from Taiwan. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 92, 397-407.	3.8	17
20	A three-dimensional Vp, Vs, and Vp/Vs crustal structure in Fujian, Southeast China, from active- and passive-source experiments. <i>Journal of Asian Earth Sciences</i> , 2015, 111, 517-527.	2.3	16
21	Aftershock Sequence of the 2018 Mw 6.4 Hualien Earthquake in Eastern Taiwan from a Dense Seismic Array Data Set. <i>Seismological Research Letters</i> , 2019, 90, 60-67.	1.9	16
22	Exhumation of serpentinized peridotite in the northern Manila subduction zone inferred from forward gravity modeling. <i>Geophysical Research Letters</i> , 2015, 42, 7977-7982.	4.0	15
23	SKS/SKKS splitting and Taiwan orogeny. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	14
24	Structural complexities in a foreland thrust belt inherited from the shelf-slope transition: Insights from the Alishan area of Taiwan. <i>Tectonics</i> , 2014, 33, 1322-1339.	2.8	13
25	Three-dimensional ambient noise tomography across the Taiwan Strait: The structure of a magma-poor rifted margin. <i>Tectonics</i> , 2016, 35, 1782-1792.	2.8	13
26	Is the Lishan fault of Taiwan active?. <i>Tectonophysics</i> , 2015, 661, 210-214.	2.2	12
27	The Structure of Southwest Taiwan: The Development of a Fold-and-Thrust Belt on a Margins Outer Shelf and Slope. <i>Tectonics</i> , 2018, 37, 1973-1993.	2.8	12
28	Seismic Anisotropy of the Upper Crust in the Mountain Ranges of Taiwan from the TAIGER Explosion Experiment. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 963.	0.6	11
29	Prediction models and seismic hazard assessment: A case study from Taiwan. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 122, 94-106.	3.8	10
30	Concurrent concentration declines in groundwater-dissolved radon, methane and ethane precursory to 2011 MW 5.0 Chimei earthquake. <i>Radiation Measurements</i> , 2013, 58, 121-127.	1.4	9
31	A Stress Condition in Aquifer Rock for Detecting Anomalous Radon Decline Precursory to an Earthquake. <i>Pure and Applied Geophysics</i> , 2017, 174, 1291-1301.	1.9	9
32	Investigating the structure of the Milun Fault from surface ruptures of the 2018 Hualien Earthquake. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 337-350.	0.6	9
33	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
34	Plate coupling across the northern Manila subduction zone deduced from mantle lithosphere buoyancy. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 273, 50-54.	1.9	7
35	CAV site-effect assessment: A case study of Taipei Basin. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 108, 142-149.	3.8	7
36	Imaging active faulting in the western Taiwan Strait. <i>Scientific Reports</i> , 2020, 10, 3703.	3.3	7

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37	Dense network, intense seismicity and tectonics of Taiwan. <i>Tectonophysics</i> , 2016, 692, 152-163.	2.2	6
38	Serpentinization of the fore-arc mantle along the Taiwan arc-continent collision of the northern Manila subduction zone inferred from gravity modeling. <i>Tectonophysics</i> , 2016, 691, 282-289.	2.2	6
39	The potential of satellite remote sensing for monitoring the onset of volcanic activity on Taipei's doorstep. <i>International Journal of Remote Sensing</i> , 2020, 41, 1372-1388.	2.9	6
40	3D Vs ambient noise tomography of the 2016 Mw 6.4 Meinong Earthquake source region in Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017, 28, 693-701.	0.6	6
41	On the use of AFOSM to estimate major earthquake probabilities in Taiwan. <i>Natural Hazards</i> , 2015, 75, 2577-2587.	3.4	5
42	Seismotectonic characteristics of the Taiwan collision-Manila subduction transition: The effect of pre-existing structures. <i>Journal of Asian Earth Sciences</i> , 2019, 173, 113-120.	2.3	5
43	Slab-induced waveform effects as revealed by the TAIGER seismic array: Evidence of slab beneath central Taiwan. <i>Physics of the Earth and Planetary Interiors</i> , 2012, 196-197, 62-74.	1.9	3
44	Resolving the 1906 Mw 7.1 Meishan, Taiwan, Earthquake from Historical Seismic Records. <i>Seismological Research Letters</i> , 2018, 89, 1385-1396.	1.9	3
45	Re-calculation of the attenuation functions for Local Magnitude from the upgraded Central Weather Bureau Seismic Network in Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2020, 31, 479-486.	0.6	3
46	The influence of inherited continental margin structures on the stress and strain fields of the south-central Taiwan fold-and-thrust belt. <i>Geophysical Journal International</i> , 2019, 219, 430-448.	2.4	2
47	Variations in mantle lithosphere buoyancy reveal seismogenic behavior in the Sunda-Andaman subduction zone. <i>Geophysical Journal International</i> , 2019, , .	2.4	2
48	Deep crustal structure in the Taiwan-Ryukyu arc-trench system junction area: New constraints from gravity modelling. <i>Terra Nova</i> , 2021, 33, 407-414.	2.1	1
49	Geophysical Evidence for the Ancient Suture Within the Cathaysia Block. <i>Atmosphere, Earth, Ocean & Space</i> , 2021, , 127-140.	0.5	1
50	Significant contribution of the shallow crust to seismic PKP travel-time residuals and implications: An example from Taiwan and nearby islands. <i>Journal of Asian Earth Sciences</i> , 2012, 46, 86-91.	2.3	0