Kuo-Fong

List of Publications by Year
in descending order

97 papers	3,592 citations	136740 32 h-index	143772 57 g-index
101 all docs	101 docs citations	101 times ranked	2473 citing authors

#	Article	IF	Citations
1	Within- and Between-Event Variabilities of Strong-Velocity Pulses of Moderate Earthquakes within Dense Seismic Arrays. Bulletin of the Seismological Society of America, 2022, 112, 361-380.	1.1	4
2	Investigation and hazard implication of 1604 Quanzhou earthquake using modern simulation with literature intensity. Terrestrial, Atmospheric and Oceanic Sciences, 2021, 32, 145-157.	0.3	0
3	Probabilistic seismic hazard assessment for Taiwan: TEM PSHA2020. Earthquake Spectra, 2020, 36, 137-159.	1.6	17
4	Modelling of pulse-like velocity ground motion during the 2018 Mw 6.3 Hualien earthquake, Taiwan. Geophysical Journal International, 2020, 223, 348-365.	1.0	4
5	Two Earthquake Sequences Nearly a Century Apart Reveal a Conjugate Seismogenic System in Central Taiwan. Seismological Research Letters, 2020, 91, 1469-1481.	0.8	2
6	Probabilistic Seismic Hazard Analysis at Regional and National Scales: State of the Art and Future Challenges. Reviews of Geophysics, 2020, 58, e2019RG000653.	9.0	96
7	Preface to the Focus Section on the 6 February 2018 MwÂ6.4 Hualien, Taiwan, Earthquake. Seismological Research Letters, 2019, 90, 15-18.	0.8	9
8	Rethinking Seismic Source Model of Probabilistic Hazard Assessment in Taiwan after the 2018 Hualien, Taiwan, Earthquake Sequence. Seismological Research Letters, 2019, 90, 88-96.	0.8	12
9	Multipleâ€Fault, Slow Rupture of the 2016 MwÂ7.8 KaikÅura, New Zealand, Earthquake: Complementary Insights from Teleseismic and Geodetic Data. Bulletin of the Seismological Society of America, 2018, 108, 1774-1783.	1.1	8
10	The Large Greenland Landslide of 2017: Was a Tsunami Warning Possible?. Seismological Research Letters, 2018, 89, 1335-1344.	0.8	14
11	Assessment of the peak tsunami amplitude associated with a large earthquake occurring along the southernmost Ryukyu subduction zone in the region of Taiwan. Natural Hazards and Earth System Sciences, 2018, 18, 2081-2092.	1.5	7
12	Source Characteristics of the 2016 Meinong (MLÂ6.6), Taiwan, Earthquake, Revealed from Dense Seismic Arrays: Double Sources and Pulseâ€like Velocity Ground Motion. Bulletin of the Seismological Society of America, 2018, 108, 188-199.	1.1	13
13	Resolving the 1906 MwÂ7.1 Meishan, Taiwan, Earthquake from Historical Seismic Records. Seismological Research Letters, 2018, 89, 1385-1396.	0.8	3
14	Investigation of the fluid flow dynamic parameters for Newtonian and non-Newtonian materials: an approach to understanding the fluid flow-like structures within fault zones. Earth, Planets and Space, 2017, 69, .	0.9	0
15	A strong-motion hot spot of the 2016 Meinong, Taiwan, earthquake (Mw = 6.4). Terrestrial, Atmospheric and Oceanic Sciences, 2017, 28, 637-650.	0.3	25
16	The 2016 Meinong earthquake to TEM PSHA2015. Terrestrial, Atmospheric and Oceanic Sciences, 2017, 28, 703-713.	0.3	10
17	Efficient Inversions for Earthquake Slip Distributions in 3D Structures. Seismological Research Letters, 2016, 87, 1342-1354.	0.8	10
18	Implications of the GreatM_wÂ9.0 Tohokuâ€Oki Earthquake on the Understanding of Natural Hazard in Taiwan and New Zealand. Seismological Research Letters, 2016, 87, 1254-1258.	0.8	4

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19	Appraising the PSHA Earthquake Source Models of Japan, New Zealand, and Taiwan. Seismological Research Letters, 2016, 87, 1240-1253.	0.8	16
20	An Investigation of the Reliability of the Taiwan Earthquake Model PSHA2015. Seismological Research Letters, 2016, 87, 1287-1298.	0.8	10
21	Evidence for non-self-similarity of microearthquakes recorded at a Taiwan borehole seismometer array. Geophysical Journal International, 2016, 206, 757-773.	1.0	22
22	New Attenuation Relationship for Peak Ground and Pseudo-Spectral Acceleration of Normal-Faulting Earthquakes in Offshore Northeast Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 043.	0.3	1
23	Near-Surface Attenuation and Velocity Structures in Taiwan from Wellhead and Borehole Recordings Comparisons. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 169-180.	0.3	8
24	Probabilistic Seismic Hazard Assessment for Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 325.	0.3	50
25	Preface to the Special Issue on â€œTaiwan Earthquake Model: Seismic Hazard Assessment and Earthquake Scenarioâ€• Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 001.	0.3	2
26	1909 Taipei Earthquake Ground Motion Simulation. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 415.	0.3	1
27	Heterogeneous Slip Distribution Self-Similarity on a Fault Surface. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 181-193.	0.3	1
28	Synthetic Ground-Motion Simulation Using a Spatial Stochastic Model with Slip Self-Similarity: Toward Near-Source Ground-Motion Validation. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 397.	0.3	1
29	An empirical equation of effective shaking duration for moderate to large earthquakes. Natural Hazards, 2015, 75, 1779-1793.	1.6	7
30	Investigation of the Temporal Change in Attenuation Within the Ruptured Fault Zone of the 1999 Mw7.3 Chi-Chi, Taiwan Earthquake. Pure and Applied Geophysics, 2015, 172, 1291-1304.	0.8	5
31	Towards real-time regional earthquake simulation I: real-time moment tensor monitoring (RMT) for regional events in Taiwan. Geophysical Journal International, 2014, 196, 432-446.	1.0	39
32	Seismic velocity variations at TCDP are controlled by MJO driven precipitation pattern and high fluid discharge properties. Earth and Planetary Science Letters, 2014, 391, 121-127.	1.8	49
33	Efficient waveform inversion for average earthquake rupture in three-dimensional structures. Geophysical Journal International, 2014, 198, 1279-1292.	1.0	16
34	Dynamic Rupture Simulation of the 2008 Mw 7.9 Wenchuan Earthquake with Heterogeneous Initial Stress. Bulletin of the Seismological Society of America, 2012, 102, 1892-1898.	1.1	18
35	Isotropic Events Observed with a Borehole Array in the Chelungpu Fault Zone, Taiwan. Science, 2012, 337, 459-463.	6.0	25
36	The 1909 Taipei earthquake-implication for seismic hazard in Taipei. Geophysical Journal International, 2012, 191, 126-146.	1.0	17

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37	Anatomy of the highâ€frequency ambient seismic wave field at the TCDP borehole. Journal of Geophysical Research, 2012, 117, .	3.3	19
38	Fault zone Q values derived from Taiwan Chelungpu Fault borehole seismometers (TCDPBHS). Tectonophysics, 2012, 578, 76-86.	0.9	13
39	Variations in rupture speed, slip amplitude and slip direction during the 2008 Mw 7.9 Wenchuan Earthquake. Geophysical Journal International, 2012, 190, 379-390.	1.0	13
40	Observation and scaling of microearthquakes from the Taiwan Chelungpu-fault borehole seismometers. Geophysical Journal International, 2012, 190, 665-676.	1.0	14
41	Source-Scaling Relationship for M 4.6-8.9 Earthquakes, Specifically for Earthquakes in the Collision Zone of Taiwan. Bulletin of the Seismological Society of America, 2011, 101, 464-481.	1.1	78
42	Three-dimensionalQp- andQs-tomography beneath Taiwan orogenic belt: implications for tectonic and thermal structure. Geophysical Journal International, 2010, 180, 891-910.	1.0	44
43	Scaling in spectral behavior of regional to single-fault seismicity. Europhysics Letters, 2010, 90, 48004.	0.7	2
44	Fault geometry and distribution of asperities of the 1997 Manyi, China (Mw = 7.5), earthquake: Integrated analysis from seismological and InSAR data. Geophysical Research Letters, 2010, 37, .	1.5	6
45	Validation of the rupture properties of the 2001 Kunlun, China (M_s= 8.1), earthquake from seismological and geological observations. Geophysical Journal International, 2009, 177, 555-570.	1.0	18
46	Distribution of strain rates in the Taiwan orogenic wedge. Earth and Planetary Science Letters, 2009, 284, 361-385.	1.8	25
47	Apparent activation energy and rate-limiting process estimation from natural shale deformed by pressure solution in shallow subduction zone. Earth and Planetary Science Letters, 2009, 287, 57-63.	1.8	13
48	Plate convergence at the westernmost Philippine Sea Plate. Tectonophysics, 2009, 466, 162-169.	0.9	17
49	Subsurface structure, physical properties, fault-zone characteristics and stress state in scientific drill holes of Taiwan Chelungpu Fault Drilling Project. Tectonophysics, 2009, 466, 307-321.	0.9	51
50	Preface to the 2006 Pingtung Earthquake Doublet Special Issue. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, I.	0.3	7
51	Slip Partition of the 26 December 2006 Pingtung, Taiwan (M 6.9, M 6.8) Earthquake Doublet Determined from TeleseismicWaveforms. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 567.	0.3	9
52	Frequency-Dependent Site Amplifications with f >= 0.01 Hz Evaluated from Velocity and Density Models in Central Taiwan. Bulletin of the Seismological Society of America, 2007, 97, 624-637.	1.1	22
53	Stress orientations of Taiwan Chelungpu-Fault Drilling Project (TCDP) hole-A as observed from geophysical logs. Geophysical Research Letters, 2007, 34, .	1.5	68
54	Strong ground motion simulation of the 1999 Chi-Chi, Taiwan earthquake from a realistic three-dimensional source and crustal structure. Journal of Geophysical Research, 2007, 112, .	3.3	24

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55	Nondestructive continuous physical property measurements of core samples recovered from hole B, Taiwan Chelungpuâ€Fault Drilling Project. Journal of Geophysical Research, 2007, 112, .	3.3	45
56	Current stress state and principal stress rotations in the vicinity of the Chelungpu fault induced by the 1999 Chiâ€Chi, Taiwan, earthquake. Geophysical Research Letters, 2007, 34, .	1.5	41
57	Characteristics of the Lithology, Fault-Related Rocks and Fault Zone Structures in TCDP Hole-A. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 243.	0.3	48
58	Core Description and Characteristics of Fault Zones from Hole-A of the Taiwan Chelungpu-Fault Drilling Project. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 327.	0.3	50
59	Mesoscopic Structural Observations of Cores from the Chelungpu Fault System, Taiwan Chelungpu-Fault Drilling Project Hole-A, Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 359.	0.3	27
60	Preface to the Special Issue on Taiwan Chelungpu-Fault Drilling Project (TCDP): Site Characteristics and On-Site Measurements. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 000.	0.3	11
61	Ionospheric GPS total electron content (TEC) disturbances triggered by the 26 December 2004 Indian Ocean tsunami. Journal of Geophysical Research, 2006, 111, .	3.3	101
62	Three-dimensional dense strong motion waveform inversion for the rupture process of the 1999 Chi-Chi, Taiwan, earthquake. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	31
63	High magnetic susceptibility of fault gouge within Taiwan Chelungpu fault: Nondestructive continuous measurements of physical and chemical properties in fault rocks recovered from Hole B, TCDP. Geophysical Research Letters, 2006, 33, .	1.5	75
64	Frictional heat from faulting of the 1999 Chi-Chi, Taiwan earthquake. Geophysical Research Letters, 2006, 33, .	1.5	57
65	Heat signature on the Chelungpu fault associated with the 1999 Chi-Chi, Taiwan earthquake. Geophysical Research Letters, 2006, 33, .	1.5	125
66	In situ measurement of the hydraulic diffusivity of the active Chelungpu Fault, Taiwan. Geophysical Research Letters, 2006, 33, .	1.5	63
67	Effects of fault geometry and slip style on near-fault static displacements caused by the 1999 Chi-Chi, Taiwan earthquake. Earth and Planetary Science Letters, 2006, 241, 336-350.	1.8	19
68	Precursory phenomena associated with the 1999 Chi-Chi earthquake in Taiwan as identified under the iSTEP program. Physics and Chemistry of the Earth, 2006, 31, 365-377.	1.2	34
69	Slip zone and energetics of a large earthquake from the Taiwan Chelungpu-fault Drilling Project. Nature, 2006, 444, 473-476.	13.7	203
70	Simultaneous Determination of Earthquake Source Parameters Using Far-Field P waves: Focal Mechanism, Seismic Moment, Rupture Length and Rupture Velocity. Terrestrial, Atmospheric and Oceanic Sciences, 2006, 17, 463.	0.3	5
71	Response of seismicity to Coulomb stress triggers and shadows of the 1999Mw= 7.6 Chi-Chi, Taiwan, earthquake. Journal of Geophysical Research, 2005, 110, .	3.3	120
72	Frequency-dependent sites amplifications evaluated from well-logging data in central Taiwan. Geophysical Research Letters, 2005, 32, .	1.5	10

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73	Modern Seismic Observations in the Tatun Volcano Region of Northern Taiwan: Seismic/Volcanic Hazard Adjacent to the Taipei Metropolitan Area. Terrestrial, Atmospheric and Oceanic Sciences, 2005, 16, 579.	0.3	26
74	Rupture behavior of the 1999 Chi-Chi, Taiwan, earthquakeâ€"slips on a curved fault in response to the regional plate convergence. Engineering Geology, 2004, 71, 1-11.	2.9	7
75	Reply to comment by N. Koizumi et al. on â€œCoseismic hydrological changes associated with dislocation of the September 21, 1999 Chichi earthquake, Taiwanâ€• Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	3
76	Thermo-mechanical structure beneath the young orogenic belt of Taiwan. Tectonophysics, 2004, 388, 21-31.	0.9	11
77	Data Files from "Spatial and Temporal Distribution of Slip for the 1999 Chi-Chi, Taiwan, Earthquake". Bulletin of the Seismological Society of America, 2004, 91, 1381-1382.	1.1	0
78	Spatial and Temporal Distribution of Slip for the 1999 Chi-Chi, Taiwan, Earthquake. Bulletin of the Seismological Society of America, 2004, 91, 1069-1087.	1.1	190
79	Association of Five Moderate-Large Earthquakes to the Faults in Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2004, 15, 097.	0.3	5
80	Possibility of Forecasting Aftershock Distributions from Stress Change: A Case Study of Inland Taiwan Earthquakes. Terrestrial, Atmospheric and Oceanic Sciences, 2004, 15, 503.	0.3	6
81	Preminary Results of the iSTEP Program on Integrated Search for Taiwan Earthquake Precursors. Terrestrial, Atmospheric and Oceanic Sciences, 2004, 15, 545.	0.3	12
82	Evidence for fault lubrication during the 1999 Chi-Chi, Taiwan, earthquake (Mw7.6). Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	128
83	Slip history and dynamic implications of the 1999 Chi-Chi, Taiwan, earthquake. Journal of Geophysical Research, 2003, 108, .	3.3	168
84	Rapid afterslip following the 1999 Chi-Chi, Taiwan Earthquake. Geophysical Research Letters, 2002, 29, 1-4-1-4.	1.5	121
85	Coseismic hydrological changes associated with dislocation of the September 21, 1999 Chichi earthquake, Taiwan. Geophysical Research Letters, 2002, 29, 5-1-5-4.	1.5	43
86	Slip distribution and tectonic implication of the 1999 Chi-Chi, Taiwan, Earthquake. Geophysical Research Letters, 2001, 28, 4379-4382.	1.5	53
87	Spatial slip distribution of the September 20, 1999, Chi-Chi, Taiwan, Earthquake (MW7.6) -Inverted from teleseismic data. Geophysical Research Letters, 2000, 27, 3417-3420.	1.5	101
88	Rupture Process of the 1999 Chi-Chi , Taiwan,Earthquake from the Inversion of Teleseismic Data. Terrestrial, Atmospheric and Oceanic Sciences, 2000, 11, 591.	0.3	46
89	The Chi-Chi, Taiwan earthquake: Large surface displacements on an inland thrust fault. Eos, 1999, 80, 605.	0.1	186
90	Mechanism of the 1975 Kalapana, Hawaii, earthquake inferred from tsunami data. Journal of Geophysical Research, 1999, 104, 13153-13167.	3.3	45

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91	Focal Mechanism Determinations of the 1991 Chiali Earthquake (ML=5.7)Sequence. Terrestrial, Atmospheric and Oceanic Sciences, 1999, 10, 447.	0.3	3
92	Transition from oblique subduction to collision: Earthquakes in the southernmost Ryukyu arc-Taiwan region. Journal of Geophysical Research, 1998, 103, 7211-7229.	3.3	138
93	Moment-tensor inversion for offshore earthquakes east of Taiwan and their implications to regional collision. Geophysical Research Letters, 1998, 25, 3619-3622.	1.5	114
94	Simulation of Historical Tsunamis in the Taiwan Region. Terrestrial, Atmospheric and Oceanic Sciences, 1997, 8, 013.	0.3	12
95	Three-Dimensional Seismic Velocity Structure of the Crust and Uppermost Mantle beneath Taiwan.. Journal of Physics of the Earth, 1996, 44, 85-105.	1.4	102
96	The origin of the tsunami excited by the 1989 Loma Prieta Earthquake â€"Faulting or slumping?. Geophysical Research Letters, 1991, 18, 637-640.	1.5	27
97	Temporal variation of codaQ during Hualien earthquake of 1986 in eastern Taiwan. Pure and Applied Geophysics, 1989, 130, 617-634.	0.8	10