

Kuo-Fong

List of Publications by Year in descending order

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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	Slip zone and energetics of a large earthquake from the Taiwan Chelungpu-fault Drilling Project. <i>Nature</i> , 2006, 444, 473-476.	13.7	203
2	Spatial and Temporal Distribution of Slip for the 1999 Chi-Chi, Taiwan, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2004, 91, 1069-1087.	1.1	190
3	The Chi-Chi, Taiwan earthquake: Large surface displacements on an inland thrust fault. <i>Eos</i> , 1999, 80, 605.	0.1	186
4	Slip history and dynamic implications of the 1999 Chi-Chi, Taiwan, earthquake. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	168
5	Transition from oblique subduction to collision: Earthquakes in the southernmost Ryukyu arc-Taiwan region. <i>Journal of Geophysical Research</i> , 1998, 103, 7211-7229.	3.3	138
6	Evidence for fault lubrication during the 1999 Chi-Chi, Taiwan, earthquake (Mw7.6). <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	128
7	Heat signature on the Chelungpu fault associated with the 1999 Chi-Chi, Taiwan earthquake. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	125
8	Rapid afterslip following the 1999 Chi-Chi, Taiwan Earthquake. <i>Geophysical Research Letters</i> , 2002, 29, 1-4-1-4.	1.5	121
9	Response of seismicity to Coulomb stress triggers and shadows of the 1999Mw= 7.6 Chi-Chi, Taiwan, earthquake. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	120
10	Moment-tensor inversion for offshore earthquakes east of Taiwan and their implications to regional collision. <i>Geophysical Research Letters</i> , 1998, 25, 3619-3622.	1.5	114
11	Three-Dimensional Seismic Velocity Structure of the Crust and Uppermost Mantle beneath Taiwan.. <i>Journal of Physics of the Earth</i> , 1996, 44, 85-105.	1.4	102
12	Spatial slip distribution of the September 20, 1999, Chi-Chi, Taiwan, Earthquake (MW7.6) -Inverted from teleseismic data. <i>Geophysical Research Letters</i> , 2000, 27, 3417-3420.	1.5	101
13	Ionospheric GPS total electron content (TEC) disturbances triggered by the 26 December 2004 Indian Ocean tsunami. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	101
14	Probabilistic Seismic Hazard Analysis at Regional and National Scales: State of the Art and Future Challenges. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000653.	9.0	96
15	Source-Scaling Relationship for M 4.6-8.9 Earthquakes, Specifically for Earthquakes in the Collision Zone of Taiwan. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 464-481.	1.1	78
16	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. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	75
17	Stress orientations of Taiwan Chelungpu-Fault Drilling Project (TCDP) hole-A as observed from geophysical logs. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	68
18	In situ measurement of the hydraulic diffusivity of the active Chelungpu Fault, Taiwan. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	63

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19	Frictional heat from faulting of the 1999 Chi-Chi, Taiwan earthquake. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	57
20	Slip distribution and tectonic implication of the 1999 Chi-Chi, Taiwan, Earthquake. <i>Geophysical Research Letters</i> , 2001, 28, 4379-4382.	1.5	53
21	Subsurface structure, physical properties, fault-zone characteristics and stress state in scientific drill holes of Taiwan Chelungpu Fault Drilling Project. <i>Tectonophysics</i> , 2009, 466, 307-321.	0.9	51
22	Core Description and Characteristics of Fault Zones from Hole-A of the Taiwan Chelungpu-Fault Drilling Project. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2007, 18, 327.	0.3	50
23	Probabilistic Seismic Hazard Assessment for Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 325.	0.3	50
24	Seismic velocity variations at TCDP are controlled by MJO driven precipitation pattern and high fluid discharge properties. <i>Earth and Planetary Science Letters</i> , 2014, 391, 121-127.	1.8	49
25	Characteristics of the Lithology, Fault-Related Rocks and Fault Zone Structures in TCDP Hole-A. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2007, 18, 243.	0.3	48
26	Rupture Process of the 1999 Chi-Chi , Taiwan,Earthquake from the Inversion of Teleseismic Data. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2000, 11, 591.	0.3	46
27	Mechanism of the 1975 Kalapana, Hawaii, earthquake inferred from tsunami data. <i>Journal of Geophysical Research</i> , 1999, 104, 13153-13167.	3.3	45
28	Nondestructive continuous physical property measurements of core samples recovered from hole B, Taiwan Chelungpu Fault Drilling Project. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	45
29	Three-dimensional Q_p - and Q_s -tomography beneath Taiwan orogenic belt: implications for tectonic and thermal structure. <i>Geophysical Journal International</i> , 2010, 180, 891-910.	1.0	44
30	Coseismic hydrological changes associated with dislocation of the September 21, 1999 Chichi earthquake, Taiwan. <i>Geophysical Research Letters</i> , 2002, 29, 5-1-5-4.	1.5	43
31	Current stress state and principal stress rotations in the vicinity of the Chelungpu fault induced by the 1999 Chi-Chi, Taiwan, earthquake. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	41
32	Towards real-time regional earthquake simulation I: real-time moment tensor monitoring (RMT) for regional events in Taiwan. <i>Geophysical Journal International</i> , 2014, 196, 432-446.	1.0	39
33	Precursory phenomena associated with the 1999 Chi-Chi earthquake in Taiwan as identified under the iSTEP program. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 365-377.	1.2	34
34	Three-dimensional dense strong motion waveform inversion for the rupture process of the 1999 Chi-Chi, Taiwan, earthquake. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	31
35	The origin of the tsunami excited by the 1989 Loma Prieta Earthquake – "Faulting or slumping?". <i>Geophysical Research Letters</i> , 1991, 18, 637-640.	1.5	27
36	Mesoscopic Structural Observations of Cores from the Chelungpu Fault System, Taiwan Chelungpu-Fault Drilling Project Hole-A, Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2007, 18, 359.	0.3	27

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37	Modern Seismic Observations in the Tatun Volcano Region of Northern Taiwan: Seismic/Volcanic Hazard Adjacent to the Taipei Metropolitan Area. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2005, 16, 579.	0.3	26
38	Distribution of strain rates in the Taiwan orogenic wedge. <i>Earth and Planetary Science Letters</i> , 2009, 284, 361-385.	1.8	25
39	Isotropic Events Observed with a Borehole Array in the Chelungpu Fault Zone, Taiwan. <i>Science</i> , 2012, 337, 459-463.	6.0	25
40	A strong-motion hot spot of the 2016 Meinong, Taiwan, earthquake (Mw = 6.4). <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017, 28, 637-650.	0.3	25
41	Strong ground motion simulation of the 1999 Chi-Chi, Taiwan earthquake from a realistic three-dimensional source and crustal structure. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	24
42	Frequency-Dependent Site Amplifications with $f \geq 0.01$ Hz Evaluated from Velocity and Density Models in Central Taiwan. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 624-637.	1.1	22
43	Evidence for non-self-similarity of microearthquakes recorded at a Taiwan borehole seismometer array. <i>Geophysical Journal International</i> , 2016, 206, 757-773.	1.0	22
44	Effects of fault geometry and slip style on near-fault static displacements caused by the 1999 Chi-Chi, Taiwan earthquake. <i>Earth and Planetary Science Letters</i> , 2006, 241, 336-350.	1.8	19
45	Anatomy of the high-frequency ambient seismic wave field at the TCDP borehole. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
46	Validation of the rupture properties of the 2001 Kunlun, China ($M_s = 8.1$), earthquake from seismological and geological observations. <i>Geophysical Journal International</i> , 2009, 177, 555-570.	1.0	18
47	Dynamic Rupture Simulation of the 2008 Mw 7.9 Wenchuan Earthquake with Heterogeneous Initial Stress. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1892-1898.	1.1	18
48	Plate convergence at the westernmost Philippine Sea Plate. <i>Tectonophysics</i> , 2009, 466, 162-169.	0.9	17
49	The 1909 Taipei earthquake-implication for seismic hazard in Taipei. <i>Geophysical Journal International</i> , 2012, 191, 126-146.	1.0	17
50	Probabilistic seismic hazard assessment for Taiwan: TEM PSHA2020. <i>Earthquake Spectra</i> , 2020, 36, 137-159.	1.6	17
51	Efficient waveform inversion for average earthquake rupture in three-dimensional structures. <i>Geophysical Journal International</i> , 2014, 198, 1279-1292.	1.0	16
52	Appraising the PSHA Earthquake Source Models of Japan, New Zealand, and Taiwan. <i>Seismological Research Letters</i> , 2016, 87, 1240-1253.	0.8	16
53	Observation and scaling of microearthquakes from the Taiwan Chelungpu-fault borehole seismometers. <i>Geophysical Journal International</i> , 2012, 190, 665-676.	1.0	14
54	The Large Greenland Landslide of 2017: Was a Tsunami Warning Possible?. <i>Seismological Research Letters</i> , 2018, 89, 1335-1344.	0.8	14

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55	Apparent activation energy and rate-limiting process estimation from natural shale deformed by pressure solution in shallow subduction zone. <i>Earth and Planetary Science Letters</i> , 2009, 287, 57-63.	1.8	13
56	Fault zone Q values derived from Taiwan Chelungpu Fault borehole seismometers (TCDPBHS). <i>Tectonophysics</i> , 2012, 578, 76-86.	0.9	13
57	Variations in rupture speed, slip amplitude and slip direction during the 2008 Mw 7.9 Wenchuan Earthquake. <i>Geophysical Journal International</i> , 2012, 190, 379-390.	1.0	13
58	Source Characteristics of the 2016 Meinong (M _L 6.6), Taiwan, Earthquake, Revealed from Dense Seismic Arrays: Double Sources and Pulse-like Velocity Ground Motion. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 188-199.	1.1	13
59	Rethinking Seismic Source Model of Probabilistic Hazard Assessment in Taiwan after the 2018 Hualien, Taiwan, Earthquake Sequence. <i>Seismological Research Letters</i> , 2019, 90, 88-96.	0.8	12
60	Simulation of Historical Tsunamis in the Taiwan Region. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 1997, 8, 013.	0.3	12
61	Preliminary Results of the iSTEP Program on Integrated Search for Taiwan Earthquake Precursors. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2004, 15, 545.	0.3	12
62	Thermo-mechanical structure beneath the young orogenic belt of Taiwan. <i>Tectonophysics</i> , 2004, 388, 21-31.	0.9	11
63	Preface to the Special Issue on Taiwan Chelungpu-Fault Drilling Project (TCDP): Site Characteristics and On-Site Measurements. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2007, 18, 000.	0.3	11
64	Temporal variation of codaQ during Hualien earthquake of 1986 in eastern Taiwan. <i>Pure and Applied Geophysics</i> , 1989, 130, 617-634.	0.8	10
65	Frequency-dependent sites amplifications evaluated from well-logging data in central Taiwan. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	10
66	Efficient Inversions for Earthquake Slip Distributions in 3D Structures. <i>Seismological Research Letters</i> , 2016, 87, 1342-1354.	0.8	10
67	An Investigation of the Reliability of the Taiwan Earthquake Model PSHA2015. <i>Seismological Research Letters</i> , 2016, 87, 1287-1298.	0.8	10
68	The 2016 Meinong earthquake to TEM PSHA2015. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017, 28, 703-713.	0.3	10
69	Slip Partition of the 26 December 2006 Pingtung, Taiwan (M 6.9, M 6.8) Earthquake Doublet Determined from Teleseismic Waveforms. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 567.	0.3	9
70	Preface to the Focus Section on the 6 February 2018 Mw 6.4 Hualien, Taiwan, Earthquake. <i>Seismological Research Letters</i> , 2019, 90, 15-18.	0.8	9
71	Multiple Fault, Slow Rupture of the 2016 Mw 7.8 Kaikōura, New Zealand, Earthquake: Complementary Insights from Teleseismic and Geodetic Data. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1774-1783.	1.1	8
72	Near-Surface Attenuation and Velocity Structures in Taiwan from Wellhead and Borehole Recordings Comparisons. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 169-180.	0.3	8

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73	Rupture behavior of the 1999 Chi-Chi, Taiwan, earthquake slips on a curved fault in response to the regional plate convergence. <i>Engineering Geology</i> , 2004, 71, 1-11.	2.9	7
74	Preface to the 2006 Pingtung Earthquake Doublet Special Issue. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 1.	0.3	7
75	An empirical equation of effective shaking duration for moderate to large earthquakes. <i>Natural Hazards</i> , 2015, 75, 1779-1793.	1.6	7
76	Assessment of the peak tsunami amplitude associated with a large earthquake occurring along the southernmost Ryukyu subduction zone in the region of Taiwan. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2081-2092.	1.5	7
77	Fault geometry and distribution of asperities of the 1997 Manyi, China (Mw = 7.5), earthquake: Integrated analysis from seismological and InSAR data. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	6
78	Possibility of Forecasting Aftershock Distributions from Stress Change: A Case Study of Inland Taiwan Earthquakes. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2004, 15, 503.	0.3	6
79	Investigation of the Temporal Change in Attenuation Within the Ruptured Fault Zone of the 1999 Mw7.3 Chi-Chi, Taiwan Earthquake. <i>Pure and Applied Geophysics</i> , 2015, 172, 1291-1304.	0.8	5
80	Association of Five Moderate-Large Earthquakes to the Faults in Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2004, 15, 097.	0.3	5
81	Simultaneous Determination of Earthquake Source Parameters Using Far-Field P waves: Focal Mechanism, Seismic Moment, Rupture Length and Rupture Velocity. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2006, 17, 463.	0.3	5
82	Implications of the Great $M_w 9.0$ Tohoku-Oki Earthquake on the Understanding of Natural Hazard in Taiwan and New Zealand. <i>Seismological Research Letters</i> , 2016, 87, 1254-1258.	0.8	4
83	Modelling of pulse-like velocity ground motion during the 2018 Mw 6.3 Hualien earthquake, Taiwan. <i>Geophysical Journal International</i> , 2020, 223, 348-365.	1.0	4
84	Within- and Between-Event Variabilities of Strong-Velocity Pulses of Moderate Earthquakes within Dense Seismic Arrays. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 361-380.	1.1	4
85	Reply to comment by N. Koizumi et al. on "Coseismic hydrological changes associated with dislocation of the September 21, 1999 Chichi earthquake, Taiwan". <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	3
86	Resolving the 1906 Mw 7.1 Meishan, Taiwan, Earthquake from Historical Seismic Records. <i>Seismological Research Letters</i> , 2018, 89, 1385-1396.	0.8	3
87	Focal Mechanism Determinations of the 1991 Chiali Earthquake (ML=5.7) Sequence. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 1999, 10, 447.	0.3	3
88	Scaling in spectral behavior of regional to single-fault seismicity. <i>Europhysics Letters</i> , 2010, 90, 48004.	0.7	2
89	Two Earthquake Sequences Nearly a Century Apart Reveal a Conjugate Seismogenic System in Central Taiwan. <i>Seismological Research Letters</i> , 2020, 91, 1469-1481.	0.8	2
90	Preface to the Special Issue on "Taiwan Earthquake Model: Seismic Hazard Assessment and Earthquake Scenario". <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 001.	0.3	2

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91	New Attenuation Relationship for Peak Ground and Pseudo-Spectral Acceleration of Normal-Faulting Earthquakes in Offshore Northeast Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 043.	0.3	1
92	1909 Taipei Earthquake Ground Motion Simulation. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 415.	0.3	1
93	Heterogeneous Slip Distribution Self-Similarity on a Fault Surface. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 181-193.	0.3	1
94	Synthetic Ground-Motion Simulation Using a Spatial Stochastic Model with Slip Self-Similarity: Toward Near-Source Ground-Motion Validation. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 397.	0.3	1
95	Data Files from "Spatial and Temporal Distribution of Slip for the 1999 Chi-Chi, Taiwan, Earthquake". <i>Bulletin of the Seismological Society of America</i> , 2004, 91, 1381-1382.	1.1	0
96	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. <i>Earth, Planets and Space</i> , 2017, 69, .	0.9	0
97	Investigation and hazard implication of 1604 Quanzhou earthquake using modern simulation with literature intensity. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2021, 32, 145-157.	0.3	0