

Qi-Fu Chen

List of Publications by Year in descending order

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69
papers

1,438
citations

279778

23
h-index

377849

34
g-index

76
all docs

76
docs citations

76
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the 1975 Haicheng Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2006, 96, 757-795.	2.3	123
2	The rise, collapse, and compaction of Mt. Mantap from the 3 September 2017 North Korean nuclear test. <i>Science</i> , 2018, 361, 166-170.	12.6	62
3	Seismic Sensor Misorientation Measurement Using P -Wave Particle Motion: An Application to the NECsais Array. <i>Seismological Research Letters</i> , 2016, 87, 901-911.	1.9	59
4	The crust and upper mantle structure beneath southeastern China. <i>Earth and Planetary Science Letters</i> , 2007, 260, 549-563.	4.4	54
5	Complicated crustal deformation beneath the NE margin of the Tibetan plateau and its adjacent areas revealed by multi-station receiver-function gathering. <i>Earth and Planetary Science Letters</i> , 2018, 497, 204-216.	4.4	48
6	Seismic evidence for distinct anisotropy in the innermost inner core. <i>Nature Geoscience</i> , 2008, 1, 692-696.	12.9	44
7	P_n tomography with Moho depth correction from eastern Europe to western China. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1284-1301.	3.4	44
8	The 2008 Wenchuan Earthquake and Earthquake Prediction in China. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 2840-2857.	2.3	43
9	Remotely Triggered Seismicity in Continental China following the 2008 Mw 7.9 Wenchuan Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 2574-2589.	2.3	39
10	Rayleigh-wave dispersion reveals crust-mantle decoupling beneath eastern Tibet. <i>Scientific Reports</i> , 2015, 5, 16644.	3.3	39
11	Seismic imaging of southwest Japan using P and PmP data: Implications for arc magmatism and seismotectonics. <i>Gondwana Research</i> , 2008, 14, 535-542.	6.0	37
12	Dynamic triggering of shallow earthquakes near Beijing, China. <i>Geophysical Journal International</i> , 2011, 185, 1321-1334.	2.4	36
13	Deep slip rates along the Longmen Shan fault zone estimated from repeating microearthquakes. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
14	Assessment of Global Seismic Loss Based on Macroeconomic Indicators. <i>Natural Hazards</i> , 1998, 17, 269-283.	3.4	34
15	Anisotropic Rayleigh wave phase velocity maps of eastern China. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4802-4820.	3.4	32
16	Distinct slab interfaces imaged within the mantle transition zone. <i>Nature Geoscience</i> , 2020, 13, 822-827.	12.9	32
17	Remotely triggered seismicity in north China following the 2008 M w 7.9 Wenchuan earthquake. <i>Earth, Planets and Space</i> , 2010, 62, 893-898.	2.5	30
18	Crustal structure and extensional deformation of thinned lithosphere in Northern China. <i>Tectonophysics</i> , 2011, 508, 62-72.	2.2	30

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19	Upper-mantle shear-wave structure under East and Southeast Asia from Automated Multimode Inversion of waveforms. <i>Geophysical Journal International</i> , 2015, 203, 707-719.	2.4	30
20	Title is missing!. <i>Natural Hazards</i> , 1997, 15, 215-229.	3.4	29
21	Spatial clustering and repeating of seismic events observed along the 1976 Tangshan fault, north China. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	27
22	Seismic Constraints on the Magmatic System Beneath the Changbaishan Volcano: Insight Into its Origin and Regional Tectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2003-2024.	3.4	26
23	Quaternary sodic and potassic intraplate volcanism in northeast China controlled by the underlying heterogeneous lithospheric structures. <i>Geology</i> , 2021, 49, 1260-1264.	4.4	25
24	Seismic features of vibration induced by train. <i>Acta Seismologica Sinica</i> , 2004, 17, 715-724.	0.2	24
25	Ambient noise as the new source for urban engineering seismology and earthquake engineering: a case study from Beijing metropolitan area. <i>Earthquake Science</i> , 2014, 27, 89-100.	0.9	24
26	Site effects on earthquake ground motion based on microtremor measurements for metropolitan Beijing. <i>Science Bulletin</i> , 2009, 54, 280-287.	9.0	22
27	Increasing background seismicity and dynamic triggering behaviors with nearby mining activities around Fangshan Pluton in Beijing, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5624-5638.	3.4	22
28	Insight Into Major Active Faults in Central Myanmar and the Related Geodynamic Sources. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086236.	4.0	22
29	Topography of the 410-km and 660-km discontinuities beneath the Japan Sea and adjacent regions by analysis of multiple ScS waves. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1264-1283.	3.4	21
30	Three-Dimensional Crustal Gridded Structure of the Capital Area. <i>Chinese Journal of Geophysics</i> , 2005, 48, 1397-1407.	0.2	20
31	Topography of the 660-km discontinuity beneath northeast China: Implications for a retrograde motion of the subducting Pacific slab. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	20
32	A shallow aftershock sequence in the north-eastern end of the Wenchuan earthquake aftershock zone. <i>Science China Earth Sciences</i> , 2010, 53, 1655-1664.	5.2	19
33	Comparisons of dynamic triggering near Beijing, China following recent large earthquakes in Sumatra. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	18
34	Stress adjustment revealed by seismicity and earthquake focal mechanisms in northeast China before and after the 2011 Tohoku-Oki earthquake. <i>Tectonophysics</i> , 2016, 666, 23-32.	2.2	18
35	Overview of deep structures under the Changbaishan volcanic area in Northeast China. <i>Science China Earth Sciences</i> , 2019, 62, 935-952.	5.2	16
36	Intraplate Volcanism and Regional Geodynamics in NE Asia Revealed by Anisotropic Rayleigh-Wave Tomography. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085623.	4.0	16

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37	Fine Tomographic Inversion of the Upper Crust 3-D Structure Around Beijing. Chinese Journal of Geophysics, 2005, 48, 397-405.	0.2	15
38	Lithospheric structure beneath the East China Sea revealed by Rayleigh-wave phase velocities. Journal of Asian Earth Sciences, 2014, 96, 213-225.	2.3	15
39	<i>Pn</i> wave geometrical spreading and attenuation in Northeast China and the Korean Peninsula constrained by observations from North Korean nuclear explosions. Journal of Geophysical Research: Solid Earth, 2015, 120, 7558-7571.	3.4	15
40	Global Seismic Hazard Assessment Based on Area Source Model and Seismicity Data. Natural Hazards, 1998, 17, 251-267.	3.4	13
41	Layered anisotropy within the crust and lithospheric mantle beneath the Sea of Japan. Journal of Asian Earth Sciences, 2016, 128, 181-195.	2.3	13
42	Deep deformation of the Longmenshan fault zone related to the 2008 Wenchuan earthquake. Chinese Science Bulletin, 2018, 63, 1917-1933.	0.7	13
43	A Simplified Approach to Earthquake Risk in Mainland China. Pure and Applied Geophysics, 2005, 162, 1255-1269.	1.9	12
44	Distinct Lithospheric Structure in the Xing'an-Mongolian Orogenic Belt. Geophysical Research Letters, 2022, 49, .	4.0	12
45	Earthquake loss estimation by using Gross Domestic Product and population data. Acta Seismologica Sinica, 1997, 10, 791-800.	0.2	11
46	Global Test of Seismic Event Locations Using Three-Dimensional Earth Models. Bulletin of the Seismological Society of America, 2001, 91, 1704-1716.	2.3	9
47	Applications of the Hilbert-Huang transform for microtremor data analysis enhancement. Journal of Earth Science (Wuhan, China), 2015, 26, 799-806.	3.2	9
48	Post-seismic velocity changes along the 2008 <i>M</i> _w 7.9 Wenchuan earthquake rupture zone revealed by coda of repeating events. Geophysical Journal International, 2017, 208, 1237-1249.	2.4	9
49	Crust and Uppermost Mantle Magma Plumbing System Beneath Changbaishan Intraplate Volcano, China/North Korea, Revealed by Ambient Noise Adjoint Tomography. Geophysical Research Letters, 2022, 49, .	4.0	8
50	China Digital Seismic Network improves coverage and quality. Eos, 2006, 87, 294.	0.1	7
51	Estimation of earthquake losses by using macroeconomic approach. Science Bulletin, 1999, 44, 199-203.	1.7	6
52	Velocity and Attenuation Structures in the Focal Area of 2003 Dayao Earthquakes. Chinese Journal of Geophysics, 2007, 50, 686-696.	0.2	6
53	Body Waves Retrieved From Noise Cross-Correlation Reveal Lower Mantle Scatterers Beneath the Northwest Pacific Subduction Zone. Geophysical Research Letters, 2020, 47, e2020GL088846.	4.0	6
54	Slip rate along the Lijiang-Ninglang fault zone estimated from repeating microearthquakes. Science Bulletin, 2009, 54, 447-455.	9.0	5

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55	Growth of the lower continental crust via the relamination of arc magma. <i>Tectonophysics</i> , 2018, 724-725, 42-50.	2.2	5
56	Earthquake damage and loss estimation with Geographic Information System. <i>Acta Seismologica Sinica</i> , 1998, 11, 751-758.	0.2	4
57	Panoptic View of Mantle Flow Beneath Transcontinental Northeast Asia: Distinct Variation Detected From $\sim 1/42,000$ km Shear Wave Splitting Profile. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
58	Moment tensor inversion of focal mechanism for the aftershock sequence of 1982 Lulong M S=6.1 earthquake. <i>Acta Seismologica Sinica</i> , 2006, 19, 115-122.	0.2	3
59	Rupture of the 2004 Sumatra-Andaman earthquake inferred from direct P-wave imaging. <i>Science Bulletin</i> , 2007, 52, 1986-1991.	1.7	3
60	A simplified approach to the global seismic hazard assessment. <i>Science Bulletin</i> , 1999, 44, 246-251.	1.7	1
61	Implicit randomness in earthquakes. <i>Geophysical Research Letters</i> , 2002, 29, 36-1-36-4.	4.0	1
62	An analysis on short-wave components of the global stress field. <i>Acta Seismologica Sinica</i> , 2003, 16, 42-49.	0.2	1
63	Reduction of earthquake disasters. <i>Acta Seismologica Sinica</i> , 2003, 16, 646-655.	0.2	1
64	Discussion on the dynamic mechanism of Great North China area based on the observed stress data. <i>Acta Seismologica Sinica</i> , 2005, 18, 1-11.	0.2	1
65	Research on the Movement of Vibration Source of Train by Means of SSA. <i>Chinese Journal of Geophysics</i> , 2008, 51, 807-813.	0.2	1
66	Paleoseismic ruptures in the potential seismic source of major earthquakes in the Dzhungar Tien Shan. <i>Seismic Instruments</i> , 2015, 51, 99-110.	0.3	1
67	The extended range phase shift method for broadband surface wave dispersion measurement from ambient noise and its application in ore deposit characterization. <i>Geophysics</i> , 2022, 87, JM29-JM40.	2.6	1
68	Large slip rate detected at the seismogenic zone of the 2008 MW7.9 Wenchuan earthquake. <i>Earthquake Science</i> , 2011, 24, 101-106.	0.9	0
69	New regularized algorithms based on the spectral method for solving deformable layer tomography. <i>Applicable Analysis</i> , 2015, 94, 506-523.	1.3	0