

Zhigang Peng

List of Publications by Year in descending order

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84
papers

4,292
citations

147566

31
h-index

114278

63
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85
all docs

85
docs citations

85
times ranked

2422
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated perspective of the continuum between earthquakes and slow-slip phenomena. <i>Nature Geoscience</i> , 2010, 3, 599-607.	5.4	635
2	Migration of early aftershocks following the 2004 Parkfield earthquake. <i>Nature Geoscience</i> , 2009, 2, 877-881.	5.4	385
3	Temporal Changes of Shallow Seismic Velocity Around the Karadere-DÄ¼zce Branch of the North Anatolian Fault and Strong Ground Motion. <i>Pure and Applied Geophysics</i> , 2006, 163, 567-600.	0.8	220
4	Triggered creep as a possible mechanism for delayed dynamic triggering of tremor and earthquakes. <i>Nature Geoscience</i> , 2011, 4, 384-388.	5.4	152
5	Remote triggering of tremor along the San Andreas Fault in central California. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	149
6	Seismicity rate immediately before and after main shock rupture from high-frequency waveforms in Japan. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	139
7	Widespread Triggering of Nonvolcanic Tremor in California. <i>Science</i> , 2008, 319, 173-173.	6.0	137
8	Systematic analysis of crustal anisotropy along the Karadere-DÄ¼zce branch of the North Anatolian fault. <i>Geophysical Journal International</i> , 2004, 159, 253-274.	1.0	126
9	Large-scale dynamic triggering of shallow slow slip enhanced by overlying sedimentary wedge. <i>Nature Geoscience</i> , 2017, 10, 765-770.	5.4	119
10	Spatiotemporal variations of crustal anisotropy from similar events in aftershocks of the 1999M7.4 Äzmit andM7.1 DÄ¼zce, Turkey, earthquake sequences. <i>Geophysical Journal International</i> , 2005, 160, 1027-1043.	1.0	99
11	Anomalous early aftershock decay rate of the 2004 Mw6.0 Parkfield, California, earthquake. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	91
12	Non-volcanic tremor beneath the Central Range in Taiwan triggered by the 2001<i>M</i>_w7.8 Kunlun earthquake. <i>Geophysical Journal International</i> , 2008, 175, 825-829.	1.0	83
13	Deep learning for seismic phase detection and picking in the aftershock zone of 2008 M7.9 Wenchuan Earthquake. <i>Physics of the Earth and Planetary Interiors</i> , 2019, 293, 106261.	0.7	83
14	Dynamic triggering of microearthquakes in three geothermal/volcanic regions of California. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6992-7009.	1.4	80
15	Remote triggered seismicity caused by the 2011, M9.0 Tohokuâ€Oki, Japan earthquake. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	79
16	Complex nonvolcanic tremor near Parkfield, California, triggered by the great 2004 Sumatra earthquake. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	74
17	Remotely triggered microearthquakes and tremor in central California following the 2010 <i>M</i>_w 8.8 Chile earthquake. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	66
18	Remote triggering of non-volcanic tremor around Taiwan. <i>Geophysical Journal International</i> , 2012, 188, 301-324.	1.0	63

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19	Tremors along the Queen Charlotte Margin triggered by large teleseismic earthquakes. <i>Geophysical Research Letters</i> , 2013, 40, 829-834.	1.5	62
20	Seismicity rate changes in the Salton Sea Geothermal Field and the San Jacinto Fault Zone after the 2010 Mw 7.2 El Mayor-Cucapah earthquake. <i>Geophysical Journal International</i> , 2014, 197, 1750-1762.	1.0	62
21	Strong tremor near Parkfield, CA, excited by the 2002 Denali Fault earthquake. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	61
22	Systematic variations in recurrence interval and moment of repeating aftershocks. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	59
23	Seismicity around Parkfield correlates with static shear stress changes following the 2003 <i>M_w</i> 6.5 San Simeon earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3576-3591.	1.4	53
24	High-frequency identification of non-volcanic tremor triggered by regional earthquakes. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	51
25	Variations of the velocity contrast and rupture properties of M6 earthquakes along the Parkfield section of the San Andreas fault. <i>Geophysical Journal International</i> , 2010, 180, 765-780.	1.0	44
26	Antarctic icequakes triggered by the 2010 Maule earthquake in Chile. <i>Nature Geoscience</i> , 2014, 7, 677-681.	5.4	44
27	Stress- and Structure-Induced Anisotropy in Southern California From Two Decades of Shear Wave Splitting Measurements. <i>Geophysical Research Letters</i> , 2017, 44, 9607-9614.	1.5	42
28	Detailed spatiotemporal evolution of microseismicity and repeating earthquakes following the 2012 <i>M_w</i> 7.6 Nicoya earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 524-542.	1.4	41
29	Dynamic triggering of shallow earthquakes near Beijing, China. <i>Geophysical Journal International</i> , 2011, 185, 1321-1334.	1.0	36
30	Detecting Earthquakes around Salton Sea Following the 2010 Mw7.2 El Mayor-Cucapah Earthquake Using GPU Parallel Computing. <i>Procedia Computer Science</i> , 2012, 9, 937-946.	1.2	34
31	Detecting low-frequency earthquakes within non-volcanic tremor in southern Taiwan triggered by the 2005 Mw8.6 Nias earthquake. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	33
32	Spatial-temporal evolutions of early aftershocks following the 2013 <i>M_w</i> 6.6 Lushan earthquake in Sichuan, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2873-2889.	1.4	31
33	Dynamic triggering of high-frequency bursts by strong motions during the 2004 Parkfield earthquake sequence. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	30
34	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.	0.9	30
35	Far-field triggering of foreshocks near the nucleation zone of the 5 September 2012 (MW 7.6) Nicoya Peninsula, Costa Rica earthquake. <i>Earth and Planetary Science Letters</i> , 2015, 431, 75-86.	1.8	30
36	Locations of Injection-Induced Earthquakes in Oklahoma Controlled by Crustal Structures. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2332-2344.	1.4	30

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37	Foreshocks, <i>b</i> Value Map, and Aftershock Triggering for the 2011 <i>M</i> _w 5.7 Virginia Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5082-5098.	1.4	30
38	Spatial-temporal evolution of early aftershocks following the 2010 ML 6.4 Jiashian earthquake in southern Taiwan. <i>Geophysical Journal International</i> , 2014, 199, 1772-1783.	1.0	29
39	Delayed triggering of microearthquakes by multiple surface waves circling the Earth. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	28
40	Delayed dynamic triggering of deep tremor along the Parkfield-Cholame section of the San Andreas Fault following the 2014 <i>M</i> _w 6.0 South Napa earthquake. <i>Geophysical Research Letters</i> , 2015, 42, 7916-7922.	1.5	28
41	Spatial-temporal distribution of early aftershocks following the 2016 Ms 6.4 Menyuan, Qinghai, China Earthquake. <i>Tectonophysics</i> , 2019, 766, 469-479.	0.9	28
42	Tectonic Tremor beneath Cuba Triggered by the <i>M</i> _w 8.8 Maule and <i>M</i> _w 9.0 Tohoku-Oki Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 595-600.	1.1	25
43	Structure-controlled seismic anisotropy along the Karadere-D $\frac{1}{4}$ zce branch of the North Anatolian Fault revealed by shear-wave splitting tomography. <i>Earth and Planetary Science Letters</i> , 2014, 391, 319-326.	1.8	25
44	Velocity contrast along the rupture zone of the 2010 Mw6.9 Yushu, China, earthquake from fault zone head waves. <i>Earth and Planetary Science Letters</i> , 2015, 416, 91-97.	1.8	25
45	Remotely triggered earthquakes in South-Central Tibet following the 2004 <i>M</i> _w 9.1 Sumatra and 2005 <i>M</i> _w 8.6 Nias earthquakes. <i>Geophysical Journal International</i> , 2015, 201, 543-551.	1.0	25
46	Temporal Correlation Between Seismic Moment and Injection Volume for an Induced Earthquake Sequence in Central Oklahoma. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3047-3064.	1.4	24
47	Velocity contrast along the Calaveras fault from analysis of fault zone head waves generated by repeating earthquakes. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	23
48	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.	1.4	22
49	Spatial variations of shear wave anisotropy near the San Jacinto Fault Zone in Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 8334-8347.	1.4	22
50	Detecting Deep Tectonic Tremor in Taiwan with a Dense Array. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 1349-1358.	1.1	21
51	Increasing lengths of aftershock zones with depths of moderate-size earthquakes on the San Jacinto Fault suggests triggering of deep creep in the middle crust. <i>Geophysical Journal International</i> , 2016, 204, 250-261.	1.0	21
52	Evolution and Distribution of the Early Aftershocks Following the 2008 Mw 7.9 Wenchuan Earthquake in Sichuan, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7775-7790.	1.4	21
53	Shallow microearthquakes near Chongqing, China triggered by the Rayleigh waves of the 2015 M7.8 Gorkha, Nepal earthquake. <i>Earth and Planetary Science Letters</i> , 2017, 479, 231-240.	1.8	20
54	Detailed Investigation of the Foreshock Sequence of the 2010 <i>M</i> _w 7.2 El Mayor-Cucapah Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019076.	1.4	20

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55	An Automatic Phase Picker for Local Earthquakes with Predetermined Locations: Combining a Signal-to-Noise Ratio Detector with 1D Velocity Model Inversion. <i>Seismological Research Letters</i> , 2016, 87, 1397-1405.	0.8	19
56	Comparisons of dynamic triggering near Beijing, China following recent large earthquakes in Sumatra. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	18
57	Incorporating fault zone head wave and direct wave secondary arrival times into seismic tomography: Application at Parkfield, California. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1008-1014.	1.4	18
58	Isolated regions of remote triggering in South/Southeast Asia following the 2012 M_w 8.6 Indian Ocean earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 10,654.	1.5	17
59	Detecting remotely triggered microseismicity around Changbaishan Volcano following nuclear explosions in North Korea and large distant earthquakes around the world. <i>Geophysical Research Letters</i> , 2017, 44, 4829-4838.	1.5	17
60	Temporal variation of tectonic tremor activity in southern Taiwan around the 2010 M_L 6.4 Jiashian earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 5417-5434.	1.4	17
61	Earthquakes Triggered by Fluid Diffusion and Boosted by Fault Reactivation in Weiyuan, China Due to Hydraulic Fracturing. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	17
62	Increasing seismicity in Southern Tibet following the 2015 M_w 7.8 Gorkha, Nepal earthquake. <i>Tectonophysics</i> , 2017, 714-715, 62-70.	0.9	13
63	Remote Triggering in the Koyna-Warna Reservoir-Induced Seismic Zone, Western India. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2318-2331.	1.4	13
64	Systematic Search for Repeating Earthquakes Along the Haiyuan Fault System in Northeastern Tibet. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019583.	1.4	13
65	Exploration of remote triggering: A survey of multiple fault structures in Haiti. <i>Earth and Planetary Science Letters</i> , 2016, 455, 14-24.	1.8	12
66	Abundant aftershock sequence of the 2015 M_w 7.5 Hindu Kush intermediate-depth earthquake. <i>Geophysical Journal International</i> , 2018, 213, 1121-1134.	1.0	12
67	Detecting remotely triggered temporal changes around the Parkfield section of the San Andreas fault. <i>Earthquake Science</i> , 2010, 23, 497-509.	0.4	11
68	Statistical properties of low-frequency earthquakes triggered by large earthquakes in southern Taiwan. <i>Earth and Planetary Science Letters</i> , 2013, 373, 1-7.	1.8	11
69	Long-term changes of earthquake inter-event times and low-frequency earthquake recurrence in central California. <i>Earth and Planetary Science Letters</i> , 2013, 368, 144-150.	1.8	11
70	Remote Triggering of Microearthquakes and Tremor in New Zealand following the 2016 M_w 7.8 Kaikoura Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1784-1793.	1.1	11
71	Dynamic triggering of microseismicity in Southwest China following the 2004 Sumatra and 2012 Indian Ocean earthquakes. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 129-140.	1.0	11
72	Complex Source Behaviors and Spatiotemporal Evolution of Seismicity During the 2015–2016 Earthquake Sequence in Cushing, Oklahoma. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022168.	1.4	10

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73	Investigating the Impacts of a Wet Typhoon on Microseismicity: A Case Study of the 2009 Typhoon Morakot in Taiwan Based on a Template Matching Catalog. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	10
74	High-resolution deep tectonic tremor locations beneath the San Andreas Fault near Cholame, California, using the double-pair difference location method. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3062-3075.	1.4	9
75	Earthquake triggering in southeast Africa following the 2012 Indian Ocean earthquake. <i>Geophysical Journal International</i> , 2018, 212, 1331-1343.	1.0	9
76	Automatic identification of fault zone head waves and direct P -waves and its application in the Parkfield section of the San Andreas Fault, California. <i>Geophysical Journal International</i> , 2016, 205, 1326-1341.	1.0	8
77	The 15 February 2014 $M_w 4.1$ South Carolina Earthquake Sequence: Aftershock Productivity, Hypocentral Depths, and Stress Drops. <i>Seismological Research Letters</i> , 2020, 91, 452-464.	0.8	6
78	Comparisons of V_p/V_s ratios and seismic characteristics between northern and southern California. <i>Geophysical Journal International</i> , 2022, 229, 2162-2174.	1.0	3
79	Isolated Triggered Tremor Spots in South America and Implications for Global Tremor Activity. <i>Seismological Research Letters</i> , 2019, , .	0.8	2
80	Earthquakes and Multi-hazards around the Pacific Rim, Vol. 1: Introduction. <i>Pure and Applied Geophysics</i> , 2017, 174, 2195-2198.	0.8	1
81	Earthquakes and Multi-Hazards Around the Pacific Rim, Vol. II: Introduction. <i>Pure and Applied Geophysics</i> , 2018, 175, 525-528.	0.8	1
82	Deep learning for seismic event detection of earthquake aftershocks. , 2018, , .		1
83	Possible triggering relationship of six $M_w > 6$ earthquakes in 2018–2019 at Philippine archipelago. <i>Acta Oceanologica Sinica</i> , 2021, 40, 142-158.	0.4	1
84	Long-Period Long-Duration Events Detected by the IRIS Community Wavefield Demonstration Experiment in Oklahoma: Tremor or Train Signals?. <i>Seismological Research Letters</i> , 0, , .	0.8	0