Xiaowei Chen

List of Publications by Year in descending order

37 papers	1,211 citations	430874 18 h-index	395702 33 g-index
46 all docs	46 docs citations	46 times ranked	977 citing authors

#	Article	IF	Citations
1	The 2016 Mw5.1 Fairview, Oklahoma earthquakes: Evidence for long-range poroelastic triggering at >40 km from fluid disposal wells. Earth and Planetary Science Letters, 2017, 472, 50-61.	4.4	214
2	The Cascadia Initiative: A Sea Change In Seismological Studies of Subduction Zones. Oceanography, 2014, 27, 138-150.	1.0	106
3	Spatial migration of earthquakes within seismic clusters in Southern California: Evidence for fluid diffusion. Journal of Geophysical Research, 2012, 117, .	3.3	94
4	Pore-pressure diffusion, enhanced by poroelastic stresses, controls induced seismicity in Oklahoma. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16228-16233.	7.1	93
5	Comprehensive analysis of earthquake source spectra and swarms in the Salton Trough, California. Journal of Geophysical Research, 2011, 116, .	3.3	92
6	California foreshock sequences suggest aseismic triggering process. Geophysical Research Letters, 2013, 40, 2602-2607.	4.0	86
7	The Pawnee earthquake as a result of the interplay among injection, faults and foreshocks. Scientific Reports, 2017, 7, 4945.	3.3	68
8	Stressâ€Drop Variations of Induced Earthquakes in Oklahoma. Bulletin of the Seismological Society of America, 2018, 108, 1107-1123.	2.3	36
9	Locations of Injectionâ€Induced Earthquakes in Oklahoma Controlled by Crustal Structures. Journal of Geophysical Research: Solid Earth, 2018, 123, 2332-2344.	3.4	30
10	Analysis of Foreshock Sequences in California and Implications for Earthquake Triggering. Pure and Applied Geophysics, 2016, 173, 133-152.	1.9	29
11	A Community Experiment to Record the Full Seismic Wavefield in Oklahoma. Seismological Research Letters, 2018, 89, 1923-1930.	1.9	28
12	Source Complexity of the 2015 Mw 4.0 Guthrie, Oklahoma Earthquake. Geophysical Research Letters, 2019, 46, 4674-4684.	4.0	28
13	Does Earthquake Stress Drop Increase With Depth in the Crust?. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022314.	3.4	25
14	Temporal Correlation Between Seismic Moment and Injection Volume for an Induced Earthquake Sequence in Central Oklahoma. Journal of Geophysical Research: Solid Earth, 2018, 123, 3047-3064.	3.4	24
15	Deciphering the Stress State of Seismogenic Faults in Oklahoma and Southern Kansas Based on an Improved Stress Map. Journal of Geophysical Research: Solid Earth, 2019, 124, 12920-12934.	3.4	23
16	Improved approach for stress drop estimation and its application to an induced earthquake sequence in Oklahoma. Geophysical Journal International, 2020, 223, 233-253.	2.4	23
17	Cross Validation of Stress Drop Estimates and Interpretations for the 2011 Prague, OK, Earthquake Sequence Using Multiple Methods. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020888.	3.4	23
18	Coulomb Stress Interactions during theM_wÂ5.8 Pawnee Sequence. Seismological Research Letters, 2017, 88, 1024-1031.	1.9	22

#	Article	IF	Citations
19	Characteristics of Seismicity inside and outside the Salton Sea Geothermal Field. Bulletin of the Seismological Society of America, 2018, 108, 1877-1888.	2.3	19
20	Repeating Earthquakes With Remarkably Repeatable Ruptures on the San Andreas Fault at Parkfield. Geophysical Research Letters, 2020, 47, e2020GL089820.	4.0	18
21	Scientific Exploration of Induced SeisMicity and Stress (SEISMS). Scientific Drilling, 0, 23, 57-63.	0.6	18
22	Measuring earthquake source parameters in the Mendocino triple junction region using a dense OBS array: Implications for fault strength variations. Earth and Planetary Science Letters, 2016, 453, 276-287.	4.4	17
23	Multiscale Analysis of Spatiotemporal Relationship Between Injection and Seismicity in Oklahoma. Journal of Geophysical Research: Solid Earth, 2018, 123, 8711-8731.	3.4	16
24	Correlation Between Poroelastic Stress Perturbation and Multidisposal Wells Induced Earthquake Sequence in Cushing, Oklahoma. Geophysical Research Letters, 2020, 47, e2020GL089366.	4.0	16
25	Coulomb Stress Transfer Influences Fault Reactivation in Areas of Wastewater Injection. Geophysical Research Letters, 2018, 45, 11,059.	4.0	12
26	Forecasting induced seismicity in Oklahoma using machine learning methods. Scientific Reports, 2022, 12, .	3.3	10
27	Narrow Spatial Aftershock Zones for Induced Earthquake Sequences in Oklahoma. Geophysical Research Letters, 2019, 46, 10358-10366.	4.0	9
28	Slip Characteristics of Induced Earthquakes: Insights From the 2015 M_w 4.0 Guthrie, Oklahoma Earthquake. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	9
29	Preface to the Focus Section on the 3 September 2016 Pawnee, Oklahoma, Earthquake. Seismological Research Letters, 2017, 88, 953-955.	1.9	6
30	Spatiotemporal Clustering of Seismicity During the 2018 Kilauea Volcanic Eruption. Geophysical Research Letters, 2021, 48, e2020GL090859.	4.0	3
31	Statistical seismicity analysis methods for the detection of fault activation during fluid injection. , 2016, , .		3
32	Seismic illumination of small-throw seismogenic faults, Anadarko Basin, Oklahoma. Interpretation, 2021, 9, SE35-SE51.	1.1	2
33	Detailed 3D Seismic Velocity Structure of the Prague, Oklahoma Fault Zone and the Implications for Induced Seismicity. Geophysical Research Letters, 2021, 48, .	4.0	2
34	Spatiotemporal Variability of Earthquake Source Parameters at Parkfield, California, and Their Relationship With the 2004 M6 Earthquake. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	2
35	Spatially Distinct Tectonic Zones across Oklahoma Inferred from Shear-Wave Splitting. Seismological Research Letters, 2021, 92, 2551-2561.	1.9	1
36	Source parameter analysis of microseismicity during hydraulic fracture: Pinning stress distributions within fracture zone. , 2019, , .		0

#	Article	IF	Citations
37	Distinguishing Unique Earthquakes with Overlapping Signals in Oklahoma. Seismological Research Letters, 0, , .	1.9	0