Leo Eisner

List of Publications by Year
in descending order

35 papers	1,636 citations	516710 16 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	941 citing authors

#	Article	IF	Citations
1	Reservoir characterization using surface microseismic monitoring. Geophysics, 2010, 75, 75A139-75A146.	2.6	246
2	Felt seismicity associated with shale gas hydraulic fracturing: The first documented example in Europe. Geophysical Research Letters, 2014, 41, 8308-8314.	4.0	189
3	Comparison of surface and borehole locations of induced seismicity. Geophysical Prospecting, 2010, 58, 809-820.	1.9	168
4	Nonâ€“doubleâ€couple mechanisms of microearthquakes induced by hydraulic fracturing. Journal of Geophysical Research, 2009, 114, .	3.3	154
5	Recent Advances and Challenges of Waveformâ€Based Seismic Location Methods at Multiple Scales. Reviews of Geophysics, 2020, 58, e2019RG000667.	23.0	105
6	Beyond the dots in the box: Microseismicity-constrained fracture models for reservoir simulation. The Leading Edge, 2010, 29, 326-333.	0.7	102
7	The peak frequency of direct waves for microseismic events. Geophysics, 2013, 78, A45-A49.	2.6	70
8	New model explaining inverted source mechanisms of microseismic events induced by hydraulic fracturing. , 2013, , .		65
9	Prediction of magnitude of the largest potentially induced seismic event. Journal of Seismology, 2014, 18, 421-431.	1.3	64
10	Seismicity Induced by Hydraulic Fracturing in Shales: A Bedding Plane Slip Model. Journal of Geophysical Research: Solid Earth, 2017, 122, 7912-7926.	3.4	59
11	Simultaneous microseismic event localization and source mechanism determination. Geophysics, 2015, 80, KS1-KS9.	2.6	49
12	Noise suppression for detection and location of microseismic events using a matched filter. , 2008, , .		45
13	Feasibility of joint 1D velocity model and event location inversion by the Neighbourhood algorithm. Geophysical Prospecting, 2010, 58, 229-234.	1.9	43
14	Stability of source mechanisms inverted from Pâ€wave amplitude microseismic monitoring data acquired at the surface. Geophysical Prospecting, 2014, 62, 475-490.	1.9	43
15	Seismic source mechanism inversion from a linear array of receivers reveals non-double-couple seismic events induced by hydraulic fracturing in sedimentary formation. Tectonophysics, 2008, 460, 124-133.	2.2	41
16	Semblance for microseismic event detection. Geophysical Journal International, 2015, 201, 1362-1369.	2.4	36
17	Comparison of migrationâ€based location and detection methods for microseismic events. Geophysical Prospecting, 2017, 65, 47-63.	1.9	35
18	Array Processing in Microseismic Monitoring: Detection, Enhancement, and Localization of Induced Seismicity. IEEE Signal Processing Magazine, 2018, 35, 99-111.	5.6	18

#	Article	IF	Citations
19	Ongoing seismicity in the Dallas-Fort Worth area. The Leading Edge, 2012, 31, 1462-1468.	0.7	17
20	Effective anisotropic velocity model from surface monitoring of microseismic events. Geophysical Prospecting, 2013, 61, 919-930.	1.9	13
21	Attenuation from microseismic datasets by the peak frequency method benchmarked with the spectral ratio method. Studia Geophysica Et Geodaetica, 2016, 60, 547-564.	0.5	13
22	Variations of attenuation and VP/VS ratio in the vicinity of wastewater injection: A case study of Costa Molina 2 well (High Agri Valley, Italy). Geophysics, 2018, 83, B25-B31.	2.6	11
23	Advances in time-lapse geophysics â€" Introduction. Geophysics, 2015, 80, WAi-WAii.	2.6	10
24	Reservoir stress from microseismic source mechanisms. The Leading Edge, 2015, 34, 890-895.	0.7	10
25	Temporal Relationship Between Injection Rates and Induced Seismicity. Pure and Applied Geophysics, 2018, 175, 2821-2835.	1.9	7
26	Estimation of the quality factor based on the microseismicity recordings from Northern Poland. Acta Geophysica, 2019, 67, 2005-2014.	2.0	5
27	Passive seismic measurement of seismic attenuation in Delaware Basin. The Leading Edge, 2019, 38, 138-143.	0.7	5
28	Normal faulting activated by hydraulic fracturing: A case study from the Barnett Shale, Fort Worth Basin. The Leading Edge, 2020, 39, 204-211.	0.7	4
29	Moment and moment magnitude of seismic events located by stacking. Geophysics, 2014, 79, A57-A61.	2.6	3
30	Microseismic Location Error Due to Eikonal Traveltime Calculation. Applied Sciences (Switzerland), 2021, 11, 982.	2.5	2
31	Microseismic event location using artificial neural networks. , 2021, , .		2
32	Directivity of microseismic events as a tool for interpretation. , 2018, , .		1
33	Localizing weak microseismic events using transfer learning with a deep neural network. Geophysical Prospecting, 0, , .	1.9	1
34	Detection of perforation shots in surface monitoring: the attenuation effect. , 2012, , .		0
35	Optimizing detection of microseismic events by receiver selection on surface monitoring. , 2019, , .		0