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	Microseismic Location Error Due to Eikonal Traveltime Calculation. Applied Sciences (Switzerland), 2021, 11, 982.	2.5	2
2	Microseismic event location using artificial neural networks. , 2021, , .		2
3	Recent Advances and Challenges of Waveformâ€Based Seismic Location Methods at Multiple Scales. Reviews of Geophysics, 2020, 58, e2019RG000667.	23.0	105
4	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
5	Estimation of the quality factor based on the microseismicity recordings from Northern Poland. Acta Geophysica, 2019, 67, 2005-2014.	2.0	5
6	Passive seismic measurement of seismic attenuation in Delaware Basin. The Leading Edge, 2019, 38, 138-143.	0.7	5
7	Optimizing detection of microseismic events by receiver selection on surface monitoring. , 2019, , .		0
8	Array Processing in Microseismic Monitoring: Detection, Enhancement, and Localization of Induced Seismicity. IEEE Signal Processing Magazine, 2018, 35, 99-111.	5.6	18
9	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
10	Temporal Relationship Between Injection Rates and Induced Seismicity. Pure and Applied Geophysics, 2018, 175, 2821-2835.	1.9	7
11	Directivity of microseismic events as a tool for interpretation. , 2018, , .		1
12	Comparison of migrationâ€based location and detection methods for microseismic events. Geophysical Prospecting, 2017, 65, 47-63.	1.9	35
13	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
14	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
15	Advances in time-lapse geophysics â€" Introduction. Geophysics, 2015, 80, WAi-WAii.	2.6	10
16	Semblance for microseismic event detection. Geophysical Journal International, 2015, 201, 1362-1369.	2.4	36
17	Simultaneous microseismic event localization and source mechanism determination. Geophysics, 2015, 80, KS1-KS9.	2.6	49
18	Reservoir stress from microseismic source mechanisms. The Leading Edge, 2015, 34, 890-895.	0.7	10

#	Article	IF	Citations
19	Felt seismicity associated with shale gas hydraulic fracturing: The first documented example in Europe. Geophysical Research Letters, 2014, 41, 8308-8314.	4.0	189
20	Moment and moment magnitude of seismic events located by stacking. Geophysics, 2014, 79, A57-A61.	2.6	3
21	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
22	Prediction of magnitude of the largest potentially induced seismic event. Journal of Seismology, 2014, 18, 421-431.	1.3	64
23	Effective anisotropic velocity model from surface monitoring of microseismic events. Geophysical Prospecting, 2013, 61, 919-930.	1.9	13
24	The peak frequency of direct waves for microseismic events. Geophysics, 2013, 78, A45-A49.	2.6	70
25	New model explaining inverted source mechanisms of microseismic events induced by hydraulic fracturing. , 2013, , .		65
26	Detection of perforation shots in surface monitoring: the attenuation effect. , 2012, , .		0
27	Ongoing seismicity in the Dallas-Fort Worth area. The Leading Edge, 2012, 31, 1462-1468.	0.7	17
28	Reservoir characterization using surface microseismic monitoring. Geophysics, 2010, 75, 75A139-75A146.	2.6	246
29	Comparison of surface and borehole locations of induced seismicity. Geophysical Prospecting, 2010, 58, 809-820.	1.9	168
30	Feasibility of joint 1D velocity model and event location inversion by the Neighbourhood algorithm. Geophysical Prospecting, 2010, 58, 229-234.	1.9	43
31	Beyond the dots in the box: Microseismicity-constrained fracture models for reservoir simulation. The Leading Edge, 2010, 29, 326-333.	0.7	102
32	Nonâ€“doubleâ€couple mechanisms of microearthquakes induced by hydraulic fracturing. Journal of Geophysical Research, 2009, 114, .	3.3	154
33	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
34	Noise suppression for detection and location of microseismic events using a matched filter. , 2008, , .		45
35	Localizing weak microseismic events using transfer learning with a deep neural network. Geophysical Prospecting, 0, , .	1.9	1