

# Injection-Induced Earthquakes

Science

341, 1225942

DOI: [10.1126/science.1225942](https://doi.org/10.1126/science.1225942)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Two-year survey of earthquakes and injection/production wells in the Eagle Ford Shale, Texas, prior to the $M < 4.8$ earthquake. Earth and Planetary Science Letters, 2013, 379, 56-63.	1.8	54
2	Economic vulnerability to Peak Oil. Global Environmental Change, 2013, 23, 1424-1433.	3.6	60
3	Gas injection may have triggered earthquakes in the Cogdell oil field, Texas. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18786-18791.	3.3	101
4	A fluid-driven earthquake swarm on the margin of the Yellowstone caldera. Journal of Geophysical Research: Solid Earth, 2013, 118, 4872-4886.	1.4	125
5	Energy production causes big US earthquakes. Nature, 2013, , .	13.7	0
6	A seismological model for earthquakes induced by fluid extraction from a subsurface reservoir. Journal of Geophysical Research: Solid Earth, 2014, 119, 8991-9015.	1.4	114
7	What lessons can hydraulic fracturing teach CCS about social acceptance?. Energy Procedia, 2014, 63, 7024-7042.	1.8	5
8	Felt seismicity associated with shale gas hydraulic fracturing: The first documented example in Europe. Geophysical Research Letters, 2014, 41, 8308-8314.	1.5	189
9	Noble gases identify the mechanisms of fugitive gas contamination in drinking-water wells overlying the Marcellus and Barnett Shales. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14076-14081.	3.3	401
10	Coupled Modeling of Multiphase Flow and Fault Poromechanics During Geologic CO2 Storage. Energy Procedia, 2014, 63, 3313-3329.	1.8	13
11	The Block Optimizing Selection and Eco-Environmental Problems of China Shale Gas Exploration and Development. Advanced Materials Research, 0, 955-959, 1532-1540.	0.3	0
12	Microseismic Monitoring at the Large-scale CO2 Injection Site, Cranfield, MS, U.S.A.. Energy Procedia, 2014, 63, 4411-4417.	1.8	5
13	Optimizing multi-station earthquake template matching through re-examination of the Youngstown, Ohio, sequence. Earth and Planetary Science Letters, 2014, 405, 274-280.	1.8	102
14	Hydraulic fracturing and its peculiarities. Asia Pacific Journal on Computational Engineering, 2014, 1, .	2.2	26
15	The 17 May 2012 $M < 4.8$ earthquake near Timpson, East Texas: An event possibly triggered by fluid injection. Journal of Geophysical Research: Solid Earth, 2014, 119, 581-593.	1.4	101
16	The 2001-Present Induced Earthquake Sequence in the Raton Basin of Northern New Mexico and Southern Colorado. Bulletin of the Seismological Society of America, 2014, 104, 2162-2181.	1.1	124
17	Multi Field Simulation of Fracture. Advances in Applied Mechanics, 2014, , 367-519.	1.4	20
18	The Array Network Facility Seismic Bulletin: Products and an Unbiased View of United States Seismicity. Seismological Research Letters, 2014, 85, 576-593.	0.8	23

#	ARTICLE	IF	CITATIONS
19	Unconventional natural gas development and public health: toward a community-informed research agenda. <i>Reviews on Environmental Health</i> , 2014, 29, 293-306.	1.1	11
20	Fluid injection induced seismicity reveals a NE dipping fault in the southeastern sector of the High Agri Valley (southern Italy). <i>Geophysical Research Letters</i> , 2014, 41, 5847-5854.	1.5	51
21	Surface Microseismic Monitoring of Hydraulic Fracturing of a Shale-Gas Reservoir Using Short-Period and Broadband Seismic Sensors. <i>Seismological Research Letters</i> , 2014, 85, 668-677.	0.8	35
22	Balancing reservoir creation and seismic hazard in enhanced geothermal systems. <i>Geophysical Journal International</i> , 2014, 198, 1585-1598.	1.0	20
23	Hydraulic Fracturing: Paving the Way for a Sustainable Future?. <i>Journal of Environmental and Public Health</i> , 2014, 2014, 1-10.	0.4	13
24	Quantification of potential macroseismic effects of the induced seismicity that might result from hydraulic fracturing for shale gas exploitation in the UK. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2014, 47, 333-350.	0.8	37
25	Significance for secure CO <sub>2</sub> storage of earthquakes induced by fluid injection. <i>Environmental Research Letters</i> , 2014, 9, 064022.	2.2	65
26	Induced seismicity of a normal blind undetected reservoir-bounding fault influenced by dissymmetric fractured damage zones. <i>Geophysical Journal International</i> , 2014, 197, 636-641.	1.0	14
27	Maximum magnitude earthquakes induced by fluid injection. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1008-1019.	1.4	514
28	The April 24, 2013 Changning Ms4.8 earthquake: a felt earthquake that occurred in Paleozoic sediment. <i>Earthquake Science</i> , 2014, 27, 107-115.	0.4	3
29	Coupled multiphase flow and poromechanics: A computational model of pore pressure effects on fault slip and earthquake triggering. <i>Water Resources Research</i> , 2014, 50, 3776-3808.	1.7	220
30	An investigation of seismicity clustered near the Cordell Field, west central Alberta, and its relation to a nearby disposal well. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 3410-3423.	1.4	90
31	Change of stress regime during geothermal reservoir stimulation. <i>Geophysical Research Letters</i> , 2014, 41, 1163-1170.	1.5	50
32	Natural gas, uncertainty, and climate policy in the US electric power sector. <i>Energy Policy</i> , 2014, 74, 433-442.	4.2	25
33	Passive injection: A strategy for mitigating reservoir pressurization, induced seismicity and brine migration in geologic CO <sub>2</sub> storage. <i>International Journal of Greenhouse Gas Control</i> , 2014, 28, 96-113.	2.3	38
34	Shaking from Injection-Induced Earthquakes in the Central and Eastern United States. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 2619-2626.	1.1	120
36	Reprint of: Two-year survey of earthquakes and injection/production wells in the Eagle Ford Shale, Texas, prior to the $M_{\text{max}} = 4.8$ October 2011 earthquake. <i>Earth and Planetary Science Letters</i> , 2014, 402, 257-264.	1.8	3
37	The Environmental Costs and Benefits of Fracking. <i>Annual Review of Environment and Resources</i> , 2014, 39, 327-362.	5.6	350

#	ARTICLE	IF	CITATIONS
38	Induced Seismicity: What is the Size of the Largest Expected Earthquake?. Bulletin of the Seismological Society of America, 2014, 104, 3153-3158.	1.1	3
39	Anthropocene: another academic invention?. Rendiconti Lincei, 2014, 25, 381-392.	1.0	21
40	Sharp increase in central Oklahoma seismicity since 2008 induced by massive wastewater injection. Science, 2014, 345, 448-451.	6.0	639
41	A Critical Review of the Risks to Water Resources from Unconventional Shale Gas Development and Hydraulic Fracturing in the United States. Environmental Science & Technology, 2014, 48, 8334-8348.	4.6	1,217
42	Spatiotemporal variations in the b-value of earthquake magnitudeâ€“frequency distributions: Classification and causes. Tectonophysics, 2014, 615-616, 1-11.	0.9	118
43	CO2 storage and potential fault instability in the St. Lawrence Lowlands sedimentary basin (Quebec,) Tj ETQq1 1 0.784314 rgBT /Over Greenhouse Gas Control, 2014, 22, 88-110.	2.3	27
44	Numerical study of dynamic fracture aperture during production of pressure-sensitive reservoirs. International Journal of Rock Mechanics and Minings Sciences, 2014, 70, 229-239.	2.6	13
45	Treating produced water from hydraulic fracturing: Composition effects on scale formation and desalination system selection. Desalination, 2014, 346, 54-69.	4.0	77
46	Evolution of pore fluid pressures in a stimulated geothermal reservoir inferred from earthquake focal mechanisms. Geophysical Research Letters, 2014, 41, 7468-7476.	1.5	26
47	Super fracking. Physics Today, 2014, 67, 34-39.	0.3	34
48	Spatiotemporal changes, faulting regimes, and source parameters of induced seismicity: A case study from The Geysers geothermal field. Journal of Geophysical Research: Solid Earth, 2014, 119, 8378-8396.	1.4	93
49	Transient pore pressure response to confining stress excursions in Berea sandstone flooded with an aqueous solution of CO <sub>2</sub> . Water Resources Research, 2014, 50, 4775-4786.	1.7	10
50	Implications of underground access for shale oil and gas extraction on dam safety â€“ a risk assessment. Dams and Reservoirs, 2014, 24, 99-110.	0.1	0
51	Towards a Real-Time Forecast of Induced Seismicity for Enhanced Geothermal Systems. , 2014, , .		11
52	Seismological and geodetic constraints on the 2011 <i>M<sub>w</sub></i>5.3 Trinidad, Colorado earthquake and induced deformation in the Raton Basin. Journal of Geophysical Research: Solid Earth, 2014, 119, 7923-7933.	1.4	38
53	Analysis of the Passive Seismic Monitoring Performance at the Rouse CO2 Storage Demonstration Pilot. Energy Procedia, 2014, 63, 4339-4357.	1.8	10
54	The pressurization effect of jet fracturing using supercritical carbon dioxide. Journal of Natural Gas Science and Engineering, 2015, 27, 842-851.	2.1	49
55	Impact of Induced Seismicity on the Evaluation of Seismic Hazard: Some Preliminary Considerations. Seismological Research Letters, 2015, 86, 1009-1021.	0.8	56

#	ARTICLE	IF	CITATIONS
56	Influence of anthropogenic groundwater unloading in Indo-Gangetic plains on the 25 April 2015 Mw 7.8 Gorkha, Nepal earthquake. <i>Geophysical Research Letters</i> , 2015, 42, 10,607.	1.5	38
57	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
58	Potential of ambient seismic noise techniques to monitor the St. Gallen geothermal site (Switzerland). <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4301-4316.	1.4	77
59	Structure of the Koyna-Warna Seismic Zone, Maharashtra, India: A possible model for large induced earthquakes elsewhere. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 3479-3506.	1.4	23
60	Rupture propagation behavior and the largest possible earthquake induced by fluid injection into deep reservoirs. <i>Geophysical Research Letters</i> , 2015, 42, 7420-7428.	1.5	63
61	Anthropogenic Triggering of Large Earthquakes. <i>Scientific Reports</i> , 2014, 4, 6100.	1.6	43
62	Effect of temperature and pore fluid on the strength of porous limestone. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6191-6208.	1.4	22
63	Evolution of permeability across the transition from brittle failure to cataclastic flow in porous siltstone. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2980-2993.	1.0	9
64	Injection-induced seismicity: Poroelastic and earthquake nucleation effects. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5082-5103.	1.4	359
65	Differentiating induced and natural seismicity using space-time-magnitude statistics applied to the Coso Geothermal field. <i>Geophysical Research Letters</i> , 2015, 42, 6221-6228.	1.5	65
66	Temporal variation in the magnitude-frequency distribution during the Guyana-Greenbrier earthquake sequence. <i>Geophysical Research Letters</i> , 2015, 42, 6639-6646.	1.5	58
67	Discrimination between induced, triggered, and natural earthquakes close to hydrocarbon reservoirs: A probabilistic approach based on the modeling of depletion-induced stress changes and seismological source parameters. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2491-2509.	1.4	69
68	Background seismicity rate at subduction zones linked to slab bending-related hydration. <i>Geophysical Research Letters</i> , 2015, 42, 7081-7089.	1.5	19
69	Effect of advective flow in fractures and matrix diffusion on natural gas production. <i>Water Resources Research</i> , 2015, 51, 8646-8657.	1.7	85
70	Distinguishing induced seismicity from natural seismicity in Ohio: Demonstrating the utility of waveform template matching. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6284-6296.	1.4	54
71	A Critical Evaluation of Simple Predictive Models Relating Fluid Injection to Induced Seismicity From Shale Hydraulic Fracturing and Wastewater Injection. , 2015, , .		0
72	Stakeholders' preferred policy solution: comparing strategies to address degraded levees. <i>Water Policy</i> , 2015, 17, 1093-1107.	0.7	7
73	Hazard and Risk Potential of Unconventional Hydrocarbon Development-Induced Seismicity within the Central United States. <i>Natural Hazards Review</i> , 2015, 16, .	0.8	5

#	ARTICLE	IF	CITATIONS
74	Revisiting River Management Options: Stakeholders, Levees, and the Public Policy Controversies of Degraded Infrastructure. <i>Risk, Hazards and Crisis in Public Policy</i> , 2015, 6, 239-257.	1.4	3
75	Geomechanics of subsurface water withdrawal and injection. <i>Water Resources Research</i> , 2015, 51, 3922-3955.	1.7	103
76	Fluid–faulting interactions: Fracture–mesh and fault–valve behavior in the February 2014 Mammoth Mountain, California, earthquake swarm. <i>Geophysical Research Letters</i> , 2015, 42, 5803-5812.	1.5	73
77	Effects of long-term fluid injection on induced seismicity parameters and maximum magnitude in northwestern part of The Geysers geothermal field. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7085-7101.	1.4	88
78	Crustal permeability: Introduction to the special issue. <i>Geofluids</i> , 2015, 15, 1-10.	0.3	27
79	Differences in Public Perceptions and Leaders' Perceptions on Hydraulic Fracturing and Shale Development. <i>Sociological Perspectives</i> , 2015, 58, 441-463.	1.4	38
80	Status of CO <sub>2</sub> storage in deep saline aquifers with emphasis on modeling approaches and practical simulations. <i>Water Resources Research</i> , 2015, 51, 6846-6892.	1.7	216
81	Seismic Hazard in the Nation's Breadbasket. <i>Earthquake Spectra</i> , 2015, 31, S109-S130.	1.6	12
82	An objective method for the assessment of fluid injection-induced seismicity and application to tectonically active regions in central California. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7013-7032.	1.4	30
83	Monitoring the Earthquake Activity in an Area with Shale Gas Potential in Southeastern New Brunswick, Canada. <i>Seismological Research Letters</i> , 2015, 86, 1068-1077.	0.8	5
84	Unconventional Gas Development in the USA: Exploring the Risk Perception Issues. <i>Risk Analysis</i> , 2015, 35, 1770-1788.	1.5	41
85	The Influence of Value Orientations, Personal Beliefs, and Knowledge about Resource Extraction on Local Leaders' Positions on Shale Development. <i>Rural Sociology</i> , 2015, 80, 397-430.	1.1	18
86	Fault reactivation during CO <sub>2</sub> sequestration: Effects of well orientation on seismicity and leakage. , 2015, 5, 645-656.		60
87	Ethics of Disaster Research. , 2015, , 37-47.		3
88	Extended imaging conditions for passive seismic data. <i>ASEG Extended Abstracts</i> , 2015, 2015, 1-4.	0.1	0
89	The Economics of Shale Gas Development. <i>SSRN Electronic Journal</i> , 0, , .	0.4	13
90	Earthquakes and depleted gas reservoirs: which comes first?. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2201-2208.	1.5	10
91	Race to unravel Oklahoma's artificial quakes. <i>Nature</i> , 2015, 520, 418-419.	13.7	7

#	ARTICLE	IF	CITATIONS
92	Innovations in the Crude Oil Market: Sentiment, Exploration and Production Methods. SSRN Electronic Journal, 2015, , .	0.4	1
93	Ground Motions from Three Recent Earthquakes in Western Alberta and Northeastern British Columbia and Their Implications for Induced-Seismicity Hazard in Eastern Regions. Seismological Research Letters, 2015, 86, 1022-1031.	0.8	28
94	Full Waveform Seismological Advances for Microseismic Monitoring. Advances in Geophysics, 2015, 56, 169-228.	1.1	53
95	Dynamic triggering of microseismicity in a mine setting. Geophysical Journal International, 2015, 202, 728-737.	1.0	13
96	Leading Safety, Health, and Environmental Indicators in Hydraulic Fracturing. , 2015, , .		7
97	Seismicity triggered by fluid injectionâ€“induced aseismic slip. Science, 2015, 348, 1224-1226.	6.0	516
98	Environmental impacts of hydraulic fracturing in shale gas development in the United States. Petroleum Exploration and Development, 2015, 42, 876-883.	3.0	94
99	Reactivated faulting near Cushing, Oklahoma: Increased potential for a triggered earthquake in an area of United States strategic infrastructure. Geophysical Research Letters, 2015, 42, 8328-8332.	1.5	59
100	Seismic Source Characterization for the 2014 Update of the U.S. National Seismic Hazard Model. Earthquake Spectra, 2015, 31, S31-S57.	1.6	34
101	Detection of change points in underlying earthquake rates, with application to global mega-earthquakes. Geophysical Journal International, 2015, , .	1.0	3
102	Seismic Hazard in the Eastern United States. Earthquake Spectra, 2015, 31, S85-S107.	1.6	18
103	Current perspective on produced water management challenges during hydraulic fracturing for oil and gas recovery. Environmental Chemistry, 2015, 12, 261.	0.7	28
104	Hundreds of Earthquakes per Day: The 2014 Guthrie, Oklahoma, Earthquake Sequence. Seismological Research Letters, 2015, 86, 1318-1325.	0.8	49
105	Regional seismicity: A potential pitfall for identification of long-period long-duration events. Geophysics, 2015, 80, A1-A5.	1.4	61
106	A Long-Term Earthquake Rate Model for the Central and Eastern United States from Smoothed Seismicity. Bulletin of the Seismological Society of America, 2015, 105, 2928-2941.	1.1	18
107	The Cardston Earthquake Swarm and Hydraulic Fracturing of the Exshaw Formation (Alberta Bakken) Tj ETQq1 1 0.784314 rgBT /Overto	1.1	61
108	Simulation of seismic events induced by CO2 injection at In Salah, Algeria. Earth and Planetary Science Letters, 2015, 426, 118-129.	1.8	43
109	Microseismicity Induced by Deep Wastewater Injection in Southern Trumbull County, Ohio. Seismological Research Letters, 2015, 86, 1326-1334.	0.8	24

#	ARTICLE	IF	CITATIONS
110	Characterizing and Responding to Seismic Risk Associated with Earthquakes Potentially Triggered by Fluid Disposal and Hydraulic Fracturing. <i>Seismological Research Letters</i> , 2015, 86, 1110-1118.	0.8	81
111	Validation of Attenuation Models for Ground Motion Applications in Central and Eastern North America. <i>Earthquake Spectra</i> , 2015, 31, 2281-2300.	1.6	8
112	Membrane processes and renewable energies. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 1343-1398.	8.2	77
113	News & Views. <i>Ground Water</i> , 2015, 53, 19-28.	0.7	8
114	Deep Injection of Waste Water in the Western Canada Sedimentary Basin. <i>Ground Water</i> , 2015, 53, 187-194.	0.7	36
115	Coping with earthquakes induced by fluid injection. <i>Science</i> , 2015, 347, 830-831.	6.0	183
116	Seismic attenuation tomography of the Southwest Japan arc: new insight into subduction dynamics. <i>Geophysical Journal International</i> , 2015, 201, 135-156.	1.0	55
117	The Role of Water in Unconventional in Situ Energy Resource Extraction Technologies. , 2015, , 183-215.		4
118	Considerations for the development of shale gas in the United Kingdom. <i>Science of the Total Environment</i> , 2015, 512-513, 36-42.	3.9	40
119	Energy consumption in desalinating produced water from shale oil and gas extraction. <i>Desalination</i> , 2015, 366, 94-112.	4.0	190
120	Earthquakes Induced by Hydraulic Fracturing in Poland Township, Ohio. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 189-197.	1.1	182
121	A risk-mitigation approach to the management of induced seismicity. <i>Journal of Seismology</i> , 2015, 19, 623-646.	0.6	99
122	Earthquake hypocenters and focal mechanisms in central Oklahoma reveal a complex system of reactivated subsurface strike-slip faulting. <i>Geophysical Research Letters</i> , 2015, 42, 2742-2749.	1.5	142
123	Myths and Facts on Wastewater Injection, Hydraulic Fracturing, Enhanced Oil Recovery, and Induced Seismicity. <i>Seismological Research Letters</i> , 2015, 86, 1060-1067.	0.8	299
124	The state of the art in monitoring and verification—Ten years on. <i>International Journal of Greenhouse Gas Control</i> , 2015, 40, 312-349.	2.3	167
125	The 2012 Brawley swarm triggered by injection-induced aseismic slip. <i>Earth and Planetary Science Letters</i> , 2015, 422, 115-125.	1.8	141
126	Noise-based monitoring and imaging of aseismic transient deformation induced by the 2006 Basel reservoir stimulation. <i>Geophysics</i> , 2015, 80, KS51-KS68.	1.4	57
127	The 2012–2013 earthquake swarm in the eastern Guadalquivir basin (South Spain): A case of heterogeneous faulting due to oroclinal bending. <i>Gondwana Research</i> , 2015, 28, 1566-1578.	3.0	15



#	ARTICLE	IF	CITATIONS
128	Oklahoma's recent earthquakes and saltwater disposal. <i>Science Advances</i> , 2015, 1, e1500195.	4.7	350
129	The Economics of Shale Gas Development. <i>Annual Review of Resource Economics</i> , 2015, 7, 269-289.	1.5	80
130	Investigation of regional seismicity before and after hydraulic fracturing in the Horn River Basin, northeast British Columbia. <i>Canadian Journal of Earth Sciences</i> , 2015, 52, 112-122.	0.6	46
131	Increasing seismicity in the U. S. midcontinent: Implications for earthquake hazard. <i>The Leading Edge</i> , 2015, 34, 618-626.	0.4	90
132	Efforts to monitor and characterize the recent increasing seismicity in central Oklahoma. <i>The Leading Edge</i> , 2015, 34, 628-639.	0.4	47
133	A comparison of seismicity rates and fluid-injection operations in Oklahoma and California: Implications for crustal stresses. <i>The Leading Edge</i> , 2015, 34, 640-648.	0.4	38
134	Modeling pressure response into a fractured zone of Precambrian basement to understand deep induced-earthquake hypocenters from shallow injection. <i>The Leading Edge</i> , 2015, 34, 684-689.	0.4	3
135	Shaking intensity from injection-induced versus tectonic earthquakes in the central-eastern United States. <i>The Leading Edge</i> , 2015, 34, 690-697.	0.4	13
136	Modeling Injection-Induced Seismicity with the Physics-Based Earthquake Simulator RSQSim. <i>Seismological Research Letters</i> , 2015, 86, 1102-1109.	0.8	75
137	Off-fault shear failure potential enhanced by high-stiff/low-permeable damage zone during fluid injection in porous reservoirs. <i>Geophysical Journal International</i> , 2015, 202, 1566-1580.	1.0	23
138	Ground-Motion Prediction Equation for Small-to-Moderate Events at Short Hypocentral Distances, with Application to Induced Seismicity Hazards. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 981-992.	1.1	130
139	Coupled hydro-mechanical processes and fault reactivation induced by Co2 Injection in a three-layer storage formation. <i>International Journal of Greenhouse Gas Control</i> , 2015, 39, 432-448.	2.3	50
140	Unconventional Fossil Fuel Reservoirs and Water Resources. , 2015, , 557-570.		1
141	An assessment on the sustainability of lignocellulosic biomass for biorefining. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 925-941.	8.2	223
142	High-rate injection is associated with the increase in U.S. mid-continent seismicity. <i>Science</i> , 2015, 348, 1336-1340.	6.0	460
143	A Monte Carlo Method for Probabilistic Hazard Assessment of Induced Seismicity due to Conventional Natural Gas Production. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 1721-1738.	1.1	95
144	The effect of caprock permeability on shear stress path at the aquifer-caprock interface during fluid injection. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2015, 77, 1-10.	2.6	6
145	A detailed analysis of wastewater-induced seismicity in the Val d'Agri oil field (Italy). <i>Geophysical Research Letters</i> , 2015, 42, 2682-2690.	1.5	54

#	ARTICLE	IF	CITATIONS
146	Geologic carbon storage is unlikely to trigger large earthquakes and reactivate faults through which CO <sub>2</sub> could leak. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5938-5943.	3.3	161
147	Causal factors for seismicity near Azle, Texas. Nature Communications, 2015, 6, 6728.	5.8	168
148	Anisotropy in Fracking: A Percolation Model for Observed Microseismicity. Pure and Applied Geophysics, 2015, 172, 7-21.	0.8	9
149	Analysis of Transportable Array (USArray) Data Shows Earthquakes Are Scarce near Injection Wells in the Williston Basin, 2008-2011. Seismological Research Letters, 2015, 86, 492-499.	0.8	21
150	Hydraulic fracturing and the Crooked Lake Sequences: Insights gleaned from regional seismic networks. Geophysical Research Letters, 2015, 42, 2750-2758.	1.5	104
151	Shale gas and non-aqueous fracturing fluids: Opportunities and challenges for supercritical CO <sub>2</sub> . Applied Energy, 2015, 147, 500-509.	5.1	622
152	Extended wave-equation imaging conditions for passive seismic data. Geophysics, 2015, 80, WC61-WC72.	1.4	38
153	Seismological evidence for monsoon induced micro to moderate earthquake sequence beneath the 2011 Talala, Saurashtra earthquake, Gujarat, India. Tectonophysics, 2015, 661, 38-48.	0.9	34
154	A Century of Induced Earthquakes in Oklahoma?. Bulletin of the Seismological Society of America, 2015, 105, 2863-2870.	1.1	45
155	Modeling ground displacement above reservoirs undergoing fluid withdrawal/injection based on an ellipsoidal inhomogeneity model. International Journal of Rock Mechanics and Minings Sciences, 2015, 79, 63-69.	2.6	8
156	Faults strengthening and seismicity induced by geothermal exploitation on a spreading volcano, Mt. Amiata, Italia. Journal of Volcanology and Geothermal Research, 2015, 301, 159-168.	0.8	11
157	Regional detection and monitoring of injection-induced seismicity: Application to the 2010-2012 Youngstown, Ohio, seismic sequence. AAPG Bulletin, 2015, 99, 1671-1688.	0.7	17
158	Statistical Method for Early Detection of Changes in Seismic Rate Associated with Wastewater Injections. Bulletin of the Seismological Society of America, 2015, 105, 2852-2862.	1.1	7
159	A shaky business: Natural gas extraction, earthquakes and house prices. European Economic Review, 2015, 80, 120-139.	1.2	35
160	Artefacts of earthquake location errors and short-term incompleteness on seismicity clusters in southern California. Geophysical Journal International, 2015, 202, 1949-1968.	1.0	30
161	Time-Varying Elevation Change at the Centralia Coal Mine in Centralia, Washington (USA), Constrained with InSAR, ASTER, and Optical Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 919-925.	2.3	10
162	Focal Mechanisms of Some Inferred Induced Earthquakes in Alberta, Canada. Seismological Research Letters, 2015, 86, 1078-1085.	0.8	37
163	Acoustic emission during different-type inter-block movements. Journal of Mining Science, 2015, 51, 1-9.	0.1	10

#	ARTICLE	IF	CITATIONS
164	Preface to the Focus Section on Injection-Induced Seismicity. <i>Seismological Research Letters</i> , 2015, 86, 1058-1059.	0.8	4
165	Climate change, biodiversity, ticks and tick-borne diseases: The butterfly effect. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2015, 4, 452-461.	0.6	182
166	Microseismicity at Rotokawa geothermal field, New Zealand, 2008-2012. <i>Geothermics</i> , 2015, 54, 23-34.	1.5	16
167	Static behaviour of induced seismicity. <i>Nonlinear Processes in Geophysics</i> , 2016, 23, 107-113.	0.6	15
168	Hazard interactions and interaction networks (cascades) within multi-hazard methodologies. <i>Earth System Dynamics</i> , 2016, 7, 659-679.	2.7	145
169	Hazard function theory for nonstationary natural hazards. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 915-925.	1.5	11
170	A Model for Shale Gas Wastewater Management. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
171	Two-phase flow effects on the CO <sub>2</sub> injection pressure evolution and implications for the caprock geomechanical stability. <i>E3S Web of Conferences</i> , 2016, 9, 04007.	0.2	1
172	An Alternative to Conventional Rock Fragmentation Methods Using SCDA: A Review. <i>Energies</i> , 2016, 9, 958.	1.6	61
173	The Local Economic and Welfare Consequences of Hydraulic Fracturing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	12
174	On the nature of long-period long-duration seismic events detected during hydraulic fracturing. <i>Geophysics</i> , 2016, 81, KS113-KS121.	1.4	35
175	A web-based multicriteria evaluation of spatial trade-offs between environmental and economic implications from hydraulic fracturing in a shale gas region in Ohio. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 376.	1.3	3
176	A comparison of long-term changes in seismicity at The Geysers, Salton Sea, and Coso geothermal fields. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 225-247.	1.4	36
177	A new method for high-resolution event relocation and application to the aftershocks of Lushan Earthquake, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2539-2559.	1.4	3
178	Modeling earthquake effects on groundwater levels: evidences from the 2012 Emilia earthquake (Italy). <i>Geofluids</i> , 2016, 16, 452-463.	0.3	19
179	Fluid-faulting evolution in high definition: Connecting fault structure and frequency-magnitude variations during the 2014 Long Valley Caldera, California, earthquake swarm. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 1776-1795.	1.4	171
180	Fault slip controlled by stress path and fluid pressurization rate. <i>Geophysical Research Letters</i> , 2016, 43, 4330-4339.	1.5	54
181	Wastewater disposal and earthquake swarm activity at the southern end of the Central Valley, California. <i>Geophysical Research Letters</i> , 2016, 43, 1092-1099.	1.5	72

#	ARTICLE	IF	CITATIONS
182	Evidence for a transient hydromechanical and frictional faulting response during the 2011 Mw 5.6 Prague, Oklahoma earthquake sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8688-8705.	1.4	30
183	Micro-seismic source location with a single seismometer channel using coda wave interferometry. , 2016, , .		0
184	Research Article: Representation of Fracking in Mainstream American Newspapers. <i>Environmental Practice</i> , 2016, 18, 83-93.	0.3	17
185	Special Session Complete Session. , 2016, , .		0
186	Passive Seismic Complete Session. , 2016, , .		0
188	Mixing in a three-phase system: Enhanced production of oil&wet reservoirs by CO <sub>2</sub> injection. <i>Geophysical Research Letters</i> , 2016, 43, 196-205.	1.5	38
189	Stress drop estimates of potentially induced earthquakes in the Guy&Greenbrier sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6597-6607.	1.4	85
190	Spatially and temporally systematic hydrologic changes within large geoengineered landslides, Cromwell Gorge, New Zealand, induced by multiple regional earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8750-8773.	1.4	15
191	Technofossils of the Anthropocene. <i>Cultural Politics</i> , 2016, 12, 355-375.	0.4	23
192	Physics-based seismic evaluation method: Evaluating possible seismic moment based on microseismic information due to fluid stimulation. <i>Geophysics</i> , 2016, 81, KS195-KS205.	1.4	3
193	Injection&induced seismicity in Carbon and Emery Counties, central Utah. <i>Geofluids</i> , 2016, 16, 801-812.	0.3	4
194	How will induced seismicity in Oklahoma respond to decreased saltwater injection rates?. <i>Science Advances</i> , 2016, 2, e1601542.	4.7	214
195	Performance test of the Seismogenic index model for forecasting magnitude distributions of fluid-injection-induced seismicity. , 2016, , .		2
196	Phase response curves for models of earthquake fault dynamics. <i>Chaos</i> , 2016, 26, 063105.	1.0	10
197	Geophysical Monitoring of a Hydrocarbon Reservoir. <i>Energy Procedia</i> , 2016, 97, 294-301.	1.8	0
198	Interpretation II Complete Session. , 2016, , .		0
199	Down to Earth. <i>Environmental Humanities</i> , 2016, 8, 149-171.	0.4	43
200	WiseFi: Activity Localization and Recognition on Commodity Off-the-Shelf WiFi Devices. , 2016, , .		11

#	ARTICLE	IF	CITATIONS
201	A Rare Moderate-Sized (<i>M</i><sub>w</sub>=4.9) Earthquake in Kansas: Rupture Process of the Milan, Kansas, Earthquake of 12 November 2014 and Its Relationship to Fluid Injection. <i>Seismological Research Letters</i> , 2016, 87, 1433-1441.	0.8	24
202	Fracking and labquakes. <i>Philosophical Magazine</i> , 2016, 96, 3686-3696.	0.7	15
203	Hydraulic Fracturing and Seismicity in the Western Canada Sedimentary Basin. <i>Seismological Research Letters</i> , 2016, 87, 631-647.	0.8	329
204	Analysis of the 2012-2013 Torreperogil-Sabiote seismic swarm. <i>Physics and Chemistry of the Earth</i> , 2016, 95, 101-112.	1.2	4
205	Experimental study of different modes of block sliding along interface. Part 1. Laboratory experiments. <i>Physical Mesomechanics</i> , 2016, 19, 189-199.	1.0	23
206	Discriminating Characteristics of Tectonic and Human-Induced Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 846-859.	1.1	69
207	A Historical Review of Induced Earthquakes in Texas. <i>Seismological Research Letters</i> , 2016, 87, 1022-1038.	0.8	129
208	Seismic activity and deep conductivity structure of the Eastern Carpathians. <i>Studia Geophysica Et Geodaetica</i> , 2016, 60, 280-296.	0.3	11
209	Oil, Earth mass and gravitational force. <i>Science of the Total Environment</i> , 2016, 548-549, 479-482.	3.9	5
210	Injection-Driven Swarm Seismicity and Permeability Enhancement: Implications for the Dynamics of Hydrothermal Ore Systems in High Fluid-Flux, Overpressured Faulting Regimes—An Invited Paper. <i>Economic Geology</i> , 2016, 111, 559-587.	1.8	135
211	Mechano-chemical interactions in sedimentary rocks in the context of CO <sub>2</sub> storage: Weak acid, weak effects?. <i>Earth-Science Reviews</i> , 2016, 157, 86-110.	4.0	113
212	Where Lower Calcite Abundance Creates More Alteration: Enhanced Rock Matrix Diffusivity Induced by Preferential Dissolution. <i>Energy &amp; Fuels</i> , 2016, 30, 4197-4208.	2.5	35
213	Using microseismic data recorded at the Weyburn CCS-EOR site to assess the likelihood of induced seismic activity. <i>International Journal of Greenhouse Gas Control</i> , 2016, 54, 421-428.	2.3	15
214	Reduction of the shadow spacer effect using reverse electrodeionization and its applications in water recycling for hydraulic fracturing operations. <i>Separation and Purification Technology</i> , 2016, 162, 84-90.	3.9	19
215	Bayesian Treatment of Induced Seismicity in Probabilistic Seismic Hazard Analysis. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 860-870.	1.1	24
216	Fracking in Tight Shales: What Is It, What Does It Accomplish, and What Are Its Consequences?. <i>Annual Review of Earth and Planetary Sciences</i> , 2016, 44, 321-351.	4.6	38
217	Recent Trends in Water Use and Production for California Oil Production. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7904-7912.	4.6	15
218	HybridMT: A MATLAB/Shell Environment Package for Seismic Moment Tensor Inversion and Refinement. <i>Seismological Research Letters</i> , 2016, 87, 964-976.	0.8	72

#	ARTICLE	IF	CITATIONS
219	Seismic Hazard Forecast for 2016 Including Induced and Natural Earthquakes in the Central and Eastern United States. <i>Seismological Research Letters</i> , 2016, 87, 1327-1341.	0.8	62
220	Rapid Response, Monitoring, and Mitigation of Induced Seismicity near Greeley, Colorado. <i>Seismological Research Letters</i> , 2016, 87, 837-847.	0.8	22
221	Shale gas extraction, precaution and prevention: A conversation on regulatory responses. <i>Energy Research and Social Science</i> , 2016, 20, 131-141.	3.0	15
222	Geomechanical analysis of the influence of CO <sub>2</sub> injection location on fault stability. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016, 8, 805-818.	3.7	56
223	Far-field pressurization likely caused one of the largest injection induced earthquakes by reactivating a large preexisting basement fault structure. <i>Geophysical Research Letters</i> , 2016, 43, 10,198.	1.5	116
224	The geomechanics of Shenhua carbon dioxide capture and storage (CCS) demonstration project in Ordos Basin, China. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016, 8, 948-966.	3.7	48
225	Fault activation and induced seismicity in geological carbon storage – Lessons learned from recent modeling studies. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016, 8, 789-804.	3.7	150
226	A preliminary statistical model for hydraulic fracture-induced seismicity in the Western Canada Sedimentary Basin. <i>Geophysical Research Letters</i> , 2016, 43, 10,164.	1.5	29
227	Impact of fluid injection on fracture reactivation at The Geysers geothermal field. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7432-7449.	1.4	40
228	Carbon capture and storage, geomechanics and induced seismic activity. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016, 8, 928-935.	3.7	29
229	An Emotional Landscape of Place-based Activism. <i>Humanity &amp; Society</i> , 2016, 40, 401-423.	0.6	5
230	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
231	Ellenburger wastewater injection and seismicity in North Texas. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 261, 54-68.	0.7	90
232	Salinity Gradients for Sustainable Energy: Primer, Progress, and Prospects. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12072-12094.	4.6	261
233	Modeling of Injection Induced Seismic Events. , 2016, , .		0
234	Surface uplift and time-dependent seismic hazard due to fluid injection in eastern Texas. <i>Science</i> , 2016, 353, 1416-1419.	6.0	127
235	An experimental study of the potential for fault reactivation during changes in gas and pore-water pressure. <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 41-55.	2.3	11
236	Collective properties of injection-induced earthquake sequences: 1. Model description and directivity bias. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3609-3637.	1.4	23

#	ARTICLE	IF	CITATIONS
237	Validating induced seismicity forecast models—Induced Seismicity Test Bench. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6009-6029.	1.4	21
238	Laboratory observations of fault transmissibility alteration in carbonate rock during direct shearing. <i>Geofluids</i> , 2016, 16, 658-672.	0.3	19
239	Modeling the hydromechanical responses of sandwich structure faults during underground fluid injection. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	12
240	Von Menschen gemachte Erdbeben. <i>Physik in Unserer Zeit</i> , 2016, 47, 28-32.	0.0	0
241	Waterless fracturing technologies for unconventional reservoirs—opportunities for liquid nitrogen. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 35, 160-174.	2.1	172
242	A Comparison between the Forecast by the United States National Seismic Hazard Maps with Recent Ground—Motion Records. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 1817-1831.	1.1	24
243	Increased stream discharge after the 3 September 2016 M w 5.8 Pawnee, Oklahoma earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 11,588.	1.5	52
244	A Bayesian Approach for Assessing Seismic Transitions Associated with Wastewater Injections. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 832-845.	1.1	12
245	An efficient repeating signal detector to investigate earthquake swarms. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5880-5897.	1.4	30
246	Remote monitoring of the mechanical instability induced by fluid substitution and water weakening in the laboratory. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 261, 69-87.	0.7	19
247	Were the May 2012 Emilia—Romagna earthquakes induced? A coupled flow—geomechanics modeling assessment. <i>Geophysical Research Letters</i> , 2016, 43, 6891-6897.	1.5	53
248	Linking microearthquakes to fracture permeability change: The role of surface roughness. <i>Geophysical Research Letters</i> , 2016, 43, 7486-7493.	1.5	27
249	Fault activation by hydraulic fracturing in western Canada. <i>Science</i> , 2016, 354, 1406-1409.	6.0	400
250	Inversion of inherited thrusts by wastewater injection induced seismicity at the Val d'Agri oilfield (Italy). <i>Scientific Reports</i> , 2016, 6, 37165.	1.6	36
251	Magnitude—based discrimination of man—made seismic events from naturally occurring earthquakes in Utah, USA. <i>Geophysical Research Letters</i> , 2016, 43, 10,638.	1.5	24
252	The role of the stress regime on microseismicity induced by overpressure and cooling in geologic carbon storage. <i>Geofluids</i> , 2016, 16, 941-953.	0.3	20
253	Scaling of seismicity induced by nonlinear fluid—rock interaction after an injection stop. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8154-8174.	1.4	14
254	An efficient repeating signal detector to detect and characterize induced seismicity. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
255	A new frontier in Texas: managing and regulating brackish groundwater. <i>Water Policy</i> , 2016, 18, 727-749.	0.7	7
256	Unconventional shale gas development: challenges for environmental policy and EA practice. <i>Impact Assessment and Project Appraisal</i> , 2016, 34, 97-109.	1.0	8
257	Injection-induced seismicity on basement faults including poroelastic stressing. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2708-2726.	1.4	145
258	Likelihood testing of seismicity-based rate forecasts of induced earthquakes in Oklahoma and Kansas. <i>Geophysical Research Letters</i> , 2016, 43, 4913-4921.	1.5	12
259	Geomechanical analysis of fluid injection and seismic fault slip for the <i>M<sub>w</sub></i> 4.8 Timpson, Texas, earthquake sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2798-2812.	1.4	91
260	Wastewater Disposal Wells, Fracking, and Environmental Injustice in Southern Texas. <i>American Journal of Public Health</i> , 2016, 106, 550-556.	1.5	71
261	An Analytical Model for Assessing Stability of Pre-Existing Faults in Caprock Caused by Fluid Injection and Extraction in a Reservoir. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 2845-2863.	2.6	13
262	Mechanical behaviour of the Rotokawa Andesites (New Zealand): Insight into permeability evolution and stress-induced behaviour in an actively utilised geothermal reservoir. <i>Geothermics</i> , 2016, 64, 163-179.	1.5	55
263	Effects of the Earth Characteristics on Induced Seismicity Potential. , 2016, , .		0
264	Enhanced geothermal systems. , 2016, , 743-761.		7
265	A secondary sludge flow hazard induced by shallow-source seismic activity in karst mining area, Guangxi, South China: localized karstification in anticline. <i>Natural Hazards</i> , 2016, 83, 75-95.	1.6	2
266	Dynamic simulation of CO <sub>2</sub> -injection-induced fault rupture with slip-rate dependent friction coefficient. <i>Geomechanics for Energy and the Environment</i> , 2016, 7, 47-65.	1.2	32
267	Seismicity on Basement Faults Induced by Simultaneous Fluid Injection-Extraction. <i>Pure and Applied Geophysics</i> , 2016, 173, 2621-2636.	0.8	37
268	Geologic model and fluid flow simulation of Woodbine aquifer CO <sub>2</sub> sequestration. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 1-13.	2.3	8
269	Subsurface fluid injection and induced seismicity in southeast Saskatchewan. <i>International Journal of Greenhouse Gas Control</i> , 2016, 54, 429-440.	2.3	19
270	A laboratory acoustic emission experiment and numerical simulation of rock fracture driven by a high-pressure fluid source. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016, 8, 27-34.	3.7	27
271	Food, water, and fault lines: Remote sensing opportunities for earthquake-response management of agricultural water. <i>Science of the Total Environment</i> , 2016, 565, 1020-1027.	3.9	14
272	Discriminating induced seismicity from natural earthquakes using moment tensors and source spectra. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 972-993.	1.4	90



#	ARTICLE	IF	CITATIONS
273	Stress drop estimates and hypocenter relocations of induced seismicity near Crooked Lake, Alberta. <i>Geophysical Research Letters</i> , 2016, 43, 6942-6951.	1.5	56
274	Induced Seismicity. , 2016, , 175-210.		2
275	Smart composite membranes for advanced wastewater treatments. , 2016, , 371-419.		15
276	The importance of characterizing uncertainty in controversial geoscience applications: induced seismicity associated with hydraulic fracturing for shale gas in northwest England. <i>Proceedings of the Geologists Association</i> , 2016, 127, 1-17.	0.6	15
277	Conservatism vs. conservationism: differential influences of social identities on beliefs about fracking. <i>Environmental Communication</i> , 2016, 10, 322-336.	1.2	25
278	The Potential Uses of Operational Earthquake Forecasting: Table 1. <i>Seismological Research Letters</i> , 2016, 87, 313-322.	0.8	51
279	A coupled geomechanics and fluid flow model for induced seismicity prediction in oil and gas operations and geothermal applications. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 29, 110-124.	2.1	8
280	Review of the scientific evidence to support environmental risk assessment of shale gas development in the UK. <i>Science of the Total Environment</i> , 2016, 563-564, 731-740.	3.9	23
281	The Petroleum Geologist and the Insurance Policy. <i>Seismological Research Letters</i> , 2016, 87, 171-176.	0.8	2
282	State regulation of unconventional gas development in the U.S.: An empirical evaluation. <i>Energy Research and Social Science</i> , 2016, 11, 142-154.	3.0	37
283	Catching environmental noncompliance in shale gas development in China and the United States. <i>Resources, Conservation and Recycling</i> , 2017, 121, 73-81.	5.3	20
284	Groundwater recharge as the trigger of naturally occurring intraplate earthquakes. <i>Geological Society Special Publication</i> , 2017, 432, 91-118.	0.8	17
285	Fair fracking? Ethics and environmental justice in United Kingdom shale gas policy and planning. <i>Local Environment</i> , 2017, 22, 185-202.	1.1	70
286	China's clean power transition: Current status and future prospect. <i>Resources, Conservation and Recycling</i> , 2017, 121, 3-10.	5.3	53
287	The role of transnational companies in oil imports in the United States: Reviewing after the fracking boom. <i>The Extractive Industries and Society</i> , 2017, 4, 78-94.	0.7	2
288	Tailor-made risk governance for induced seismicity of geothermal energy projects: An application to Switzerland. <i>Geothermics</i> , 2017, 65, 295-312.	1.5	35
289	Seismicity-permeability coupling in the behavior of gas shales, CO2 storage and deep geothermal energy. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 189-198.	1.3	30
290	Oilfield wastewater biotreatment in a fluidized-bed bioreactor using co-immobilized <i>Rhodococcus</i> cultures. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1252-1260.	3.3	28

#	ARTICLE	IF	CITATIONS
291	Fracking and environmental protection: An analysis of U.S. state policies. <i>The Extractive Industries and Society</i> , 2017, 4, 63-68.	0.7	20
292	Volumetric components in the earthquake source related to fluid injection and stress state. <i>Geophysical Research Letters</i> , 2017, 44, 800-809.	1.5	64
293	Some induced seismicity considerations in geo-energy resource development. <i>Geomechanics for Energy and the Environment</i> , 2017, 10, 3-11.	1.2	13
294	Unloading-induced instability of a simulated granular fault and implications for excavation-induced seismicity. <i>Tunnelling and Underground Space Technology</i> , 2017, 63, 154-161.	3.0	45
295	“Who Is at Fault?” The Media and the Stories of Induced Seismicity. <i>Politics and Policy</i> , 2017, 45, 31-50.	0.6	3
296	Produced water reuse for irrigation of non-food biofuel crops: Effects on switchgrass and rapeseed germination, physiology and biomass yield. <i>Industrial Crops and Products</i> , 2017, 100, 65-76.	2.5	43
297	Variation in slip rates on active faults: Natural growth or stress transients?. <i>Geology</i> , 2017, 45, 287-288.	2.0	8
298	A methodology to detect and locate low-permeability faults to reduce the risk of inducing seismicity of fluid injection operations in deep saline formations. <i>International Journal of Greenhouse Gas Control</i> , 2017, 59, 110-122.	2.3	6
299	2017 One-Year Seismic Hazard Forecast for the Central and Eastern United States from Induced and Natural Earthquakes. <i>Seismological Research Letters</i> , 2017, 88, 772-783.	0.8	94
300	Oklahoma experiences largest earthquake during ongoing regional wastewater injection hazard mitigation efforts. <i>Geophysical Research Letters</i> , 2017, 44, 711-717.	1.5	145
302	Public perceptions of hydraulic fracturing for shale gas and oil in the United States and Canada. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e450.	3.6	70
303	Risk assessment of oil and gas pipelines with consideration of induced seismicity and internal corrosion. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 47, 85-94.	1.7	20
304	Locating microseismic sources with a single seismometer channel using coda wave interferometry. <i>Geophysics</i> , 2017, 82, A19-A24.	1.4	8
305	Frictional stability-permeability relationships for fractures in shales. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1760-1776.	1.4	120
306	Reading a 400,000-year record of earthquake frequency for an intraplate fault. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4893-4898.	3.3	50
307	Stick-slip dynamics of flow-induced seismicity on rate and state faults. <i>Geophysical Research Letters</i> , 2017, 44, 4098-4106.	1.5	27
308	Earthquake stress via event ratio levels: Application to the 2011 and 2016 Oklahoma seismic sequences. <i>Geophysical Research Letters</i> , 2017, 44, 3147-3155.	1.5	21
309	Accurate estimation of seismic source parameters of induced seismicity by a combined approach of generalized inversion and genetic algorithm: Application to The Geysers geothermal area, California. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3916-3933.	1.4	31

#	ARTICLE	IF	CITATIONS
311	Characterization of induced seismicity patterns derived from internal structure in event clusters. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3875-3894.	1.4	54
312	Induced Seismicity in Oklahoma Affects Shallow Groundwater. <i>Seismological Research Letters</i> , 2017, 88, 956-962.	0.8	17
313	A techno-economic assessment of membrane distillation for treatment of Marcellus shale produced water. <i>Desalination</i> , 2017, 416, 24-34.	4.0	101
314	The shale gas revolution: Barriers, sustainability, and emerging opportunities. <i>Applied Energy</i> , 2017, 199, 88-95.	5.1	242
315	The local employment impacts of fracking: A national study. <i>Resources and Energy Economics</i> , 2017, 49, 62-85.	1.1	68
316	Coupled Flow and Geomechanical Modeling of Reservoir Seismicity: Effects of Hydraulic Communication and Well Type. , 2017, , .		1
317	On the physicsâ€based processes behind productionâ€induced seismicity in natural gas fields. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3792-3812.	1.4	55
318	Influence of Lithostatic Stress on Earthquake Stress Drops in North America. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 856-868.	1.1	72
319	Spatio-temporal evolution of frequency-magnitude distribution and seismogenic index during initiation of induced seismicity at Guy-Greenbrier, Arkansas. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 267, 53-66.	0.7	41
320	Renewable energy and carbon capture and sequestration for a reduced carbon energy plan: An optimization model. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 254-265.	8.2	39
321	Causes of underpressure in natural CO <sub>2</sub> reservoirs and implications for geological storage. <i>Geology</i> , 2017, 45, 47-50.	2.0	13
322	Geochemical impact of injection of Eagle Ford brine on Hosston sandstone formationâ€Observations of autoclave waterâ€rock interaction experiments. <i>Applied Geochemistry</i> , 2017, 84, 26-40.	1.4	6
324	A sensitivity analysis of the effect of pumping parameters on hydraulic fracture networks and local stresses during shale gas operations. <i>Fuel</i> , 2017, 203, 843-852.	3.4	24
325	Temporal characterization of flowback and produced water quality from a hydraulically fractured oil and gas well. <i>Science of the Total Environment</i> , 2017, 596-597, 369-377.	3.9	115
326	Nucleation of dynamic slip on a hydraulically fractured fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2812-2830.	1.4	18
327	Superposition approach to understand triggering mechanisms of post-injection induced seismicity. <i>Geothermics</i> , 2017, 70, 85-97.	1.5	47
328	The 2016 Mw5.1 Fairview, Oklahoma earthquakes: Evidence for long-range poroelastic triggering at >40 km from fluid disposal wells. <i>Earth and Planetary Science Letters</i> , 2017, 472, 50-61.	1.8	214
329	Rupture Process of the MwÂ5.8 Pawnee, Oklahoma, Earthquake from Sentinelâ€1 InSAR and Seismological Data. <i>Seismological Research Letters</i> , 2017, 88, 994-1004.	0.8	56

#	ARTICLE	IF	CITATIONS
330	Image-domain velocity inversion and event location for microseismic monitoring. <i>Geophysics</i> , 2017, 82, KS71-KS83.	1.4	35
331	The edge of failure: critical stress overpressure states in different tectonic regimes. <i>Geological Society Special Publication</i> , 2017, 458, 131-141.	0.8	13
332	Foreshock Seismicity Suggests Gradual Differential Stress Increase in the Months Prior to the 3 September 2016 <i>M</i> <sub>w</sub> 5.8 Pawnee Earthquake. <i>Seismological Research Letters</i> , 2017, 88, 1032-1039.	0.8	21
333	Human-induced seismicity and large-scale hydrocarbon production in the USA and Canada. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2467-2485.	1.0	42
334	Co-treatment of residential and oil and gas production wastewater with a hybrid sequencing batch reactor-membrane bioreactor process. <i>Journal of Water Process Engineering</i> , 2017, 17, 82-94.	2.6	35
335	Self-activated fragmentation. <i>International Journal of Fracture</i> , 2017, 206, 171-193.	1.1	5
336	A study of earthquakes induced by water injection in the Changning salt mine area, SW China. <i>Journal of Asian Earth Sciences</i> , 2017, 136, 102-109.	1.0	48
337	Fault reactivation potential of an offshore CO <sub>2</sub> storage site, Pohang Basin, South Korea. <i>Journal of Petroleum Science and Engineering</i> , 2017, 152, 427-442.	2.1	22
338	Hydraulic fracturing fluids and their environmental impact: then, today, and tomorrow. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	30
339	Energy Boom and Gloom? Local Effects of Oil and Natural Gas Drilling on Subjective Well-Being. <i>Growth and Change</i> , 2017, 48, 590-610.	1.3	24
340	Relocated Hypocenters and Structural Analysis from Waveform Modeling of Aftershocks from the 2011 Prague, Oklahoma, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 553-562.	1.1	4
341	Discriminating between natural and anthropogenic earthquakes: insights from the Emilia Romagna (Italy) 2012 seismic sequence. <i>Scientific Reports</i> , 2017, 7, 282.	1.6	14
342	Analysis of the relationship between water level fluctuation and seismicity in the Three Gorges Reservoir (China). <i>Geodesy and Geodynamics</i> , 2017, 8, 96-102.	1.0	13
343	An Analytical Model Predicts Pressure Increase During Waste Water Injection to Prevent Fracturing and Seismic Events. , 2017, , .		2
344	Low stress drops observed for aftershocks of the 2011 <i>M</i> <sub>w</sub> 5.7 Prague, Oklahoma, earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3813-3834.	1.4	56
345	Pore pressure migration during hydraulic stimulation due to permeability enhancement by low-pressure subcritical fracture slip. <i>Geophysical Research Letters</i> , 2017, 44, 3109-3118.	1.5	21
346	Current challenges in monitoring, discrimination, and management of induced seismicity related to underground industrial activities: A European perspective. <i>Reviews of Geophysics</i> , 2017, 55, 310-340.	9.0	235
347	Bayesian identification of multiple seismic change points and varying seismic rates caused by induced seismicity. <i>Geophysical Research Letters</i> , 2017, 44, 3509-3516.	1.5	12

#	ARTICLE	IF	CITATIONS
348	Integrating membrane distillation with waste heat from natural gas compressor stations for produced water treatment in Pennsylvania. <i>Desalination</i> , 2017, 413, 144-153.	4.0	99
349	TOUGH2-seed: A coupled fluid flow and mechanical-stochastic approach to model injection-induced seismicity. <i>Computers and Geosciences</i> , 2017, 108, 86-97.	2.0	21
350	Estimating spatially varying event rates with a change point using Bayesian statistics: Application to induced seismicity. <i>Structural Safety</i> , 2017, 65, 1-11.	2.8	13
351	Geologic influence on induced seismicity: Constraints from potential field data in Oklahoma. <i>Geophysical Research Letters</i> , 2017, 44, 152-161.	1.5	46
352	Fouling in direct contact membrane distillation of produced water from unconventional gas extraction. <i>Journal of Membrane Science</i> , 2017, 524, 493-501.	4.1	81
353	Pore pressure behavior at the shut-in phase and causality of large induced seismicity at Basel, Switzerland. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 411-435.	1.4	46
354	Ground Motions for Induced Earthquakes in Oklahoma. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 198-215.	1.1	29
355	Preparing for the new normal: Students and earthquake hazard adjustments in Oklahoma. <i>International Journal of Disaster Risk Reduction</i> , 2017, 25, 312-323.	1.8	27
356	An analysis of chemicals and other constituents found in produced water from hydraulically fractured wells in California and the challenges for wastewater management. <i>Journal of Environmental Management</i> , 2017, 204, 502-509.	3.8	35
357	Lessons learned from the Youngstown, Ohio induced earthquake sequence from January 2011 to January 2012. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 783-796.	3.7	10
358	Strain superposition and fault stability during sequential hydraulic fracturing. <i>Geological Society Special Publication</i> , 2017, 454, 305-326.	0.8	1
359	Source Spectral Properties of Small to Moderate Earthquakes in Southern Kansas. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8021-8034.	1.4	44
360	HiQuake: The Human-Induced Earthquake Database. <i>Seismological Research Letters</i> , 2017, 88, 1560-1565.	0.8	76
361	Hierarchical Bayesian Modeling of Fluid-Induced Seismicity. <i>Geophysical Research Letters</i> , 2017, 44, 11,357.	1.5	36
362	Caprock Integrity and Induced Seismicity from Laboratory and Numerical Experiments. <i>Energy Procedia</i> , 2017, 125, 494-503.	1.8	19
363	The role of lithology, saturation, and organic matter on friction characteristics of shale formations for injection-induced seismicity occurrences. , 2017, , .		1
364	Passive Seismic Complete Session. , 2017, , .		0
365	Aseismic Motions Drive a Sparse Seismicity During Fluid Injections Into a Fractured Zone in a Carbonate Reservoir. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8285-8304.	1.4	67

#	ARTICLE	IF	CITATIONS
366	Induced seismicity closed-form traffic light system for actuarial decision-making during deep fluid injections. <i>Scientific Reports</i> , 2017, 7, 13607.	1.6	62
367	On the effective stress law for rock-on-rock frictional sliding, and fault slip triggered by means of fluid injection. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160001.	1.6	49
368	Concern and counter-concern: The challenge of fragmented fears for the regulation of hydraulic fracturing. <i>The Extractive Industries and Society</i> , 2017, 4, 672-680.	0.7	1
369	The induced earthquake sequence related to the St. Gallen deep geothermal project (Switzerland): Fault reactivation and fluid interactions imaged by microseismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7272-7290.	1.4	81
370	Source Mechanism Study of Local Earthquakes in Kuwait. <i>Seismological Research Letters</i> , 2017, 88, 1465-1471.	0.8	12
371	Wastewater Disposal and the Earthquake Sequences During 2016 Near Fairview, Pawnee, and Cushing, Oklahoma. <i>Geophysical Research Letters</i> , 2017, 44, 9330-9336.	1.5	55
372	Frictional stability and earthquake triggering during fluid pressure stimulation of an experimental fault. <i>Earth and Planetary Science Letters</i> , 2017, 477, 84-96.	1.8	120
373	A Decade of Induced Slip on the Causative Fault of the 2015 <i>M<sub>w</sub></i> 4.0 Venus Earthquake, Northeast Johnson County, Texas. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7879-7894.	1.4	46
374	The mechanical and photoelastic properties of 3D printable stress-visualized materials. <i>Scientific Reports</i> , 2017, 7, 10918.	1.6	30
375	Maximum magnitudes of earthquakes induced by fluid injections and productions: Controlling parameters, estimations, and case study examples. , 2017, , .		4
376	Stress drops of induced and tectonic earthquakes in the central United States are indistinguishable. <i>Science Advances</i> , 2017, 3, e1700772.	4.7	95
377	Fault reactivation and earthquakes with magnitudes of up to <i>M<sub>w</sub></i> 4.7 induced by shale-gas hydraulic fracturing in Sichuan Basin, China. <i>Scientific Reports</i> , 2017, 7, 7971.	1.6	168
378	A Comparison of Ground Motion Characteristics from Induced Seismic Events in Alberta with Those in Oklahoma. <i>Seismological Research Letters</i> , 2017, 88, 1570-1585.	0.8	6
379	Experimental evidence for chemo-mechanical coupling during carbon mineralization in ultramafic rocks. <i>Earth and Planetary Science Letters</i> , 2017, 474, 355-367.	1.8	22
380	Shaping State Fracking Policies in the United States. <i>State and Local Government Review</i> , 2017, 49, 140-150.	0.3	13
381	Detection of earthquake swarms at subduction zones globally: Insights into tectonic controls on swarm activity. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 5325-5343.	1.4	32
382	Horizontal respect distance for hydraulic fracturing in the vicinity of existing faults in deep geological reservoirs: a review and modelling study. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 379-391.	1.3	35
383	Keynote: Fatigue Hydraulic Fracturing. <i>Procedia Engineering</i> , 2017, 191, 1126-1134.	1.2	25

#	ARTICLE	IF	CITATIONS
384	Supervised machine learning on a network scale: application to seismic event classification and detection. <i>Geophysical Journal International</i> , 2017, 210, 1394-1409.	1.0	57
385	Temporal static stress drop variations due to injection activity at The Geysers geothermal field, California. <i>Geophysical Research Letters</i> , 2017, 44, 7168-7176.	1.5	16
386	Induced earthquakes in the development of unconventional energy resources. <i>Science China Earth Sciences</i> , 2017, 60, 1632-1644.	2.3	22
387	The Pawnee earthquake as a result of the interplay among injection, faults and foreshocks. <i>Scientific Reports</i> , 2017, 7, 4945.	1.6	68
388	Influences of the Three Gorges Project on seismic activities in the reservoir area. <i>Science Bulletin</i> , 2017, 62, 1089-1098.	4.3	24
389	Characterization of Hydraulic Fractures Growth During the Å,,spÅ¶ Hard Rock Laboratory Experiment (Sweden). <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 2985-3001.	2.6	43
390	Development of robust pressure management strategies for geologic CO2 sequestration. <i>International Journal of Greenhouse Gas Control</i> , 2017, 64, 43-59.	2.3	26
391	Earthquakes and frack-waste: sounds of extraction-related disaster in Appalachian Ohio. <i>Cultural Studies</i> , 2017, 31, 400-416.	1.2	1
392	Evaluating the effectiveness of induced seismicity mitigation: Numerical modeling of wastewater injection near Greeley, Colorado. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6569-6582.	1.4	23
393	Reservoir Structure and Wastewaterâ€induced Seismicity at the Val d'Agri Oilfield (Italy) Shown by Threeâ€Dimensional <i>&lt;i&gt;V&lt;sub&gt;p&lt;/sub&gt;&lt;/i&gt;</i> and <i>&lt;i&gt;V&lt;sub&gt;p&lt;/sub&gt;&lt;/i&gt;/&lt;i&gt;V&lt;sub&gt;s&lt;/sub&gt;&lt;/i&gt;</i> Local Earthquake Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9050-9082.	1.4	42
394	Fault shear stiffness as the key parameter determining fault behavior. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
395	Shear-wave anisotropy reveals pore fluid pressureâ€induced seismicity in the U.S. midcontinent. <i>Science Advances</i> , 2017, 3, e1700443.	4.7	28
396	Is There a Link Between Mineralogy, Petrophysics, and the Hydraulic and Seismic Behaviors of the Soutzâ€ousâ€ForÃts Granite During Stimulation? A Review and Reinterpretation of Petroâ€Hydromechanical Data Toward a Better Understanding of Induced Seismicity and Fluid Flow. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9755-9774.	1.4	17
397	PermÃ©abilitÃ© de la croÃ»te. <i>Hydrogeology Journal</i> , 2017, 25, 2221-2224.	0.9	20
398	Discriminating between natural versus induced seismicity from long-term deformation history of intraplate faults. <i>Science Advances</i> , 2017, 3, e1701593.	4.7	32
399	A Systematic Assessment of the Spatiotemporal Evolution of Fault Activation Through Induced Seismicity in Oklahoma and Southern Kansas. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 10,189.	1.4	92
400	Organic Chemical Characterization and Mass Balance of a Hydraulically Fractured Well: From Fracturing Fluid to Produced Water over 405 Days. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14006-14015.	4.6	57
401	Seismicity During the Initial Stages of the Guyâ€Greenbrier, Arkansas, Earthquake Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9253-9274.	1.4	67

#	ARTICLE	IF	CITATIONS
402	Effect of host rock properties on shear behavior of discontinuities in sandstones. International Journal of Rock Mechanics and Minings Sciences, 2017, 100, 238-249.	2.6	3
403	Sensitivity of Induced Seismic Sequences to Rate- and State Frictional Processes. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,207.	1.4	11
404	Frictional Properties of Simulated Fault Gouges from the Seismogenic Groningen Gas Field Under In Situ <i>P</i> - <i>T</i> - Chemical Conditions. Journal of Geophysical Research: Solid Earth, 2017, 122, 8969-8989.	1.4	39
405	Characterizing the Potential for Injection-Induced Fault Reactivation Through Subsurface Structural Mapping and Stress Field Analysis, Wellington Field, Sumner County, Kansas. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,132.	1.4	32
406	Multi-performance retrofits to commercial buildings in seismic zones. Journal of Structural Integrity and Maintenance, 2017, 2, 133-142.	0.7	6
407	Temporal evolution of a seismic sequence induced by a gas injection in the Eastern coast of Spain. Scientific Reports, 2017, 7, 2901.	1.6	12
408	Spatiotemporal distribution of Oklahoma earthquakes: Exploring relationships using a nearest-neighbor approach. Journal of Geophysical Research: Solid Earth, 2017, 122, 5395-5416.	1.4	17
409	Effect of faults on stress path evolution during reservoir pressurization. International Journal of Greenhouse Gas Control, 2017, 63, 412-430.	2.3	17
410	Watershed-Scale Impacts from Surface Water Disposal of Oil and Gas Wastewater in Western Pennsylvania. Environmental Science & Technology, 2017, 51, 8851-8860.	4.6	65
411	Mitigating Risks From Fracking-Related Earthquakes: Assessing State Regulatory Decisions. Society and Natural Resources, 2017, 30, 1009-1025.	0.9	14
412	Waveform-Relocated Earthquake Catalog for Oklahoma and Southern Kansas Illuminates the Regional Fault Network. Seismological Research Letters, 2017, 88, 1252-1258.	0.8	106
413	Poroelastic Properties of the Arbuckle Group in Oklahoma Derived from Well Fluid Level Response to the 3 September 2016 <i>M</i> <sub>w</sub> 5.8 Pawnee and 7 November 2016 <i>M</i> <sub>w</sub> 5.0 Cushing Earthquakes. Seismological Research Letters, 2017, 88, 963-970.	0.8	29
414	Assessing Ground-Motion Amplitudes and Attenuation for Small-to-Moderate Induced and Tectonic Earthquakes in the Central and Eastern United States. Seismological Research Letters, 2017, 88, 1379-1389.	0.8	24
415	Geodetic Slip Model of the 3 September 2016 <i>M</i> <sub>w</sub> 5.8 Pawnee, Oklahoma, Earthquake: Evidence for Fault-Plane Collapse. Seismological Research Letters, 2017, 88, 983-993.	0.8	15
416	The Effects of Varying Injection Rates in Osage County, Oklahoma, on the 2016 <i>M</i> <sub>w</sub> 5.8 Pawnee Earthquake. Seismological Research Letters, 2017, 88, 1040-1053.	0.8	121
417	Developing subsurface energy exploitation strategies by considering seismic risk. Petroleum Geoscience, 2017, 23, 298-305.	0.9	2
418	Quantity of flowback and produced waters from unconventional oil and gas exploration. Science of the Total Environment, 2017, 574, 314-321.	3.9	230
419	Mechanism and numerical simulation of reservoir slope deformation during impounding of high arch dams based on nonlinear FEM. Computers and Geotechnics, 2017, 81, 143-154.	2.3	41



#	ARTICLE	IF	CITATIONS
420	Fault reactivation in travertine and its impact on hydraulic transmissibility: laboratory experiments and mesoscale structures. <i>Petroleum Geoscience</i> , 2017, 23, 92-103.	0.9	8
421	Stress field behavior induced by hydraulic fracture in shale reservoirs: A practical view on cluster spacing. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 48, 186-196.	2.1	8
422	Back azimuth constrained double-difference seismic location and tomography for downhole microseismic monitoring. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 264, 35-46.	0.7	32
423	Hydraulic fracture monitoring in hard rock at 410m depth with an advanced fluid-injection protocol and extensive sensor array. <i>Geophysical Journal International</i> , 2017, 208, 790-813.	1.0	98
424	Stretching Beyond Anthropocentric Thinking: Maria Graham and the 1822 Chilean Earthquake. <i>European Romantic Review</i> , 2017, 28, 679-699.	0.1	0
425	Challenges in the analysis of complex systems: introduction and overview. <i>European Physical Journal: Special Topics</i> , 2017, 226, 3185-3197.	1.2	3
426	Induced seismicity provides insight into why earthquake ruptures stop. <i>Science Advances</i> , 2017, 3, eaap7528.	4.7	192
427	Disturbance Hydrology: Preparing for an Increasingly Disturbed Future. <i>Water Resources Research</i> , 2017, 53, 10007-10016.	1.7	33
428	Monitoring performance using synthetic data for induced microseismicity by hydrofracking at the Wysin site (Poland). <i>Geophysical Journal International</i> , 2017, 210, 42-55.	1.0	23
429	Physics-based forecasting of induced seismicity at Groningen gas field, the Netherlands. <i>Geophysical Research Letters</i> , 2017, 44, 7773-7782.	1.5	64
430	New Approach to Monitoring Induced Earthquakes. <i>Journal of Mining Science</i> , 2017, 53, 1-11.	0.1	10
431	Social Work Research and Global Environmental Change. <i>Journal of the Society for Social Work and Research</i> , 2017, 8, 645-672.	0.9	30
432	From slow to fast faulting: recent challenges in earthquake fault mechanics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160016.	1.6	13
433	Building a National Seismic Monitoring Center: NEIC from 2000 to the Present. <i>Seismological Research Letters</i> , 2017, 88, 265-269.	0.8	4
434	Using Simulated Ground Motions to Constrain Near-Source Ground-Motion Prediction Equations in Areas Experiencing Induced Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 2078-2093.	1.1	5
435	Preface to the Focus Section on the 3 September 2016 Pawnee, Oklahoma, Earthquake. <i>Seismological Research Letters</i> , 2017, 88, 953-955.	0.8	6
436	Increasing Seismic Activity in Oklahoma: Are Historic Buildings at Risk?. , 2017, , .		0
437	A Review of Hybrid Fiber-Optic Distributed Simultaneous Vibration and Temperature Sensing Technology and Its Geophysical Applications. <i>Sensors</i> , 2017, 17, 2511.	2.1	78

#	ARTICLE	IF	CITATIONS
438	Did Anthropogenic Activities Trigger the 3 April 2017 Mw 6.5 Botswana Earthquake?. Remote Sensing, 2017, 9, 1028.	1.8	23
439	Efficient and robust classification of seismic data using nonlinear support vector machines. , 2017, , .		2
440	Fracking Bad Guys: Narrative Character Affect in Public Opinion About Hydraulic Fracturing. SSRN Electronic Journal, 2017, , .	0.4	2
441	Earthquake static stress transfer in the 2013 Gulf of Valencia (Spain) seismic sequence. Solid Earth, 2017, 8, 857-882.	1.2	5
442	Modeling of the in situ state of stress in elastic layered rock subject to stress and strain-driven tectonic forces. Solid Earth, 2017, 8, 479-498.	1.2	9
443	Potential for Liquid Contamination of Groundwater. , 2017, , 75-91.		1
444	State of stress in the Illinois Basin and constraints on inducing failure. Environmental Geosciences, 2017, 24, 123-150.	0.6	9
445	Societal Implications of Unconventional Oil and Gas Development. Advances in Chemical Pollution, Environmental Management and Protection, 2017, , 167-192.	0.3	0
446	Best Management Practices From the "Responsible Shale Energy Extraction" Conference: Guiding Industry in Environmental Stewardship. Advances in Chemical Pollution, Environmental Management and Protection, 2017, , 381-405.	0.3	2
447	Seismicity Induced by Wastewater Injection in Washington County, Ohio: Influence of Preexisting Structure, Regional Stress Regime, and Well Operations. Journal of Geophysical Research: Solid Earth, 2018, 123, 4123-4140.	1.4	7
448	Spatial variations of b-values in the coastal area of Guangdong. Journal of Ocean University of China, 2018, 17, 177-185.	0.6	5
449	Induced Earthquakes from Long-Term Gas Extraction in Groningen, the Netherlands: Statistical Analysis and Prognosis for Acceptable Risk Regulation. Risk Analysis, 2018, 38, 1455-1473.	1.5	27
450	Two sides of a fault: Grain-scale analysis of pore pressure control on fault slip. Physical Review E, 2018, 97, 022906.	0.8	16
451	Microseismic Monitoring of Stimulating Shale Gas Reservoir in SW China: 2. Spatial Clustering Controlled by the Preexisting Faults and Fractures. Journal of Geophysical Research: Solid Earth, 2018, 123, 1659-1672.	1.4	48
452	Anthropogenic seismicity in Italy and its relation to tectonics: State of the art and perspectives. Anthropocene, 2018, 21, 80-94.	1.6	24
453	Modeling injection-induced seismicity through calculation of radiated seismic energy. Journal of Natural Gas Science and Engineering, 2018, 52, 582-590.	2.1	7
454	Induced earthquakes and housing markets: Evidence from Oklahoma. Regional Science and Urban Economics, 2018, 69, 153-166.	1.4	32
455	The water footprint of hydraulic fracturing in Sichuan Basin, China. Science of the Total Environment, 2018, 630, 349-356.	3.9	61

#	ARTICLE	IF	CITATIONS
456	The November 2017 <i>M</i> <sub>w</sub> 5.5 Pohang earthquake: A possible case of induced seismicity in South Korea. <i>Science</i> , 2018, 360, 1003-1006.	6.0	325
457	Assessing whether the 2017 <i>M</i> <sub>w</sub> 5.4 Pohang earthquake in South Korea was an induced event. <i>Science</i> , 2018, 360, 1007-1009.	6.0	303
458	Evaluation of gas drainage and coal permeability improvement with liquid CO <sub>2</sub> gasification blasting. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401876857.	0.8	25
459	Beyond opposition and acceptance: Examining public perceptions of the environmental and health impacts of unconventional oil and gas extraction. <i>Current Opinion in Environmental Science and Health</i> , 2018, 3, 8-13.	2.1	14
460	Convolutional neural network for earthquake detection and location. <i>Science Advances</i> , 2018, 4, e1700578.	4.7	578
461	A Comparison of the Impacts of Wind Energy and Unconventional Gas Development on Land-use and Ecosystem Services: An Example from the Anadarko Basin of Oklahoma, USA. <i>Environmental Management</i> , 2018, 61, 796-804.	1.2	13
462	Performance assessment of the induced seismicity traffic light protocol for northeastern British Columbia and western Alberta. <i>The Leading Edge</i> , 2018, 37, 117-126.	0.4	35
463	An experimental study of the influence of stress history on fault slip during injection of supercritical CO <sub>2</sub> . <i>Journal of Structural Geology</i> , 2018, 109, 86-98.	1.0	4
464	Poroelastic stress changes associated with primary oil production in the Los Angeles Basin, California. <i>The Leading Edge</i> , 2018, 37, 108-116.	0.4	4
465	Variabilities in probabilistic seismic hazard maps for natural and induced seismicity in the central and eastern United States. <i>The Leading Edge</i> , 2018, 37, 141a1-141a9.	0.4	3
466	Maturity of nearby faults influences seismic hazard from hydraulic fracturing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1720-E1729.	3.3	60
467	Transient poroelastic stress coupling between the 2015 M7.8 Gorkha, Nepal earthquake and its M7.3 aftershock. <i>Tectonophysics</i> , 2018, 733, 119-131.	0.9	18
468	Earthquakes in Kansas Induced by Extremely Far-Field Pressure Diffusion. <i>Geophysical Research Letters</i> , 2018, 45, 1395-1401.	1.5	57
469	Oklahoma's induced seismicity strongly linked to wastewater injection depth. <i>Science</i> , 2018, 359, 1251-1255.	6.0	125
470	Economic comparison of pressure driven membrane processes to electrically driven processes for use in hydraulic fracturing. <i>Separation Science and Technology</i> , 2018, 53, 767-776.	1.3	7
471	Pick- and waveform-based techniques for real-time detection of induced seismicity. <i>Geophysical Journal International</i> , 2018, 213, 868-884.	1.0	40
472	Variance in State Protection from Exposure to NORM and TENORM Wastes Generated During Unconventional Oil and Gas Operations: Where We Are and Where We Need to Go. <i>New Solutions</i> , 2018, 28, 240-261.	0.6	2
473	The Small Effect of Poroelastic Pressure Transients on Triggering of Production-Induced Earthquakes in the Groningen Natural Gas Field. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 401-417.	1.4	17

#	ARTICLE	IF	CITATIONS
474	Intraplate seismicity recorded by a local network in the Neuqu�n Basin, Argentina. <i>Journal of South American Earth Sciences</i> , 2018, 87, 211-220.	0.6	2
475	A comparative study of water-related issues in the context of hydraulic fracturing in Texas and Spain. <i>Environmental Science and Policy</i> , 2018, 90, 193-200.	2.4	12
476	Monitoring reservoir response to earthquakes and fluid extraction, Salton Sea geothermal field, California. <i>Science Advances</i> , 2018, 4, e1701536.	4.7	57
477	Experimental Investigation of the Geochemical Interactions between Supercritical CO <sub>2</sub> and Shale: Implications for CO <sub>2</sub> Storage in Gas-Bearing Shale Formations. <i>Energy &amp; Fuels</i> , 2018, 32, 1963-1978.	2.5	95
478	Resolving Horizontal Rupture Directivity of Moderate Crustal Earthquake in Sparse Network With Ambient Noise Location. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 533-552.	1.4	6
479	Pore Pressure Pulse Drove the 2012 Emilia (Italy) Series of Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 682-690.	1.5	17
480	Comparative performances of microbial capacitive deionization cell and microbial fuel cell fed with produced water from the Bakken shale. <i>Bioelectrochemistry</i> , 2018, 121, 56-64.	2.4	45
481	The pertinence of Sutton's law to exposure science: Lessons from unconventional shale gas drilling. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 427-436.	1.8	0
482	The Dallas-Fort Worth Airport Earthquake Sequence: Seismicity Beyond Injection Period. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 553-563.	1.4	53
483	Environmental and social aspects of geothermal energy in Italy. <i>Geothermics</i> , 2018, 72, 232-248.	1.5	64
484	A classification of induced seismicity. <i>Geoscience Frontiers</i> , 2018, 9, 1903-1909.	4.3	28
485	Quantification of a maximum injection volume of CO <sub>2</sub> to avert geomechanical perturbations using a compositional fluid flow reservoir simulator. <i>Advances in Water Resources</i> , 2018, 112, 160-169.	1.7	11
486	Mitigating induced seismicity around depleted gas fields based on geomechanical modeling. <i>The Leading Edge</i> , 2018, 37, 334-342.	0.4	1
487	Crustal wave speed structure of North Texas and Oklahoma based on ambient noise cross-correlation functions and adjoint tomography. <i>Geophysical Journal International</i> , 2018, 214, 716-730.	1.0	9
488	Maximum magnitude of injection-induced earthquakes: A criterion to assess the influence of pressure migration along faults. <i>Tectonophysics</i> , 2018, 733, 108-118.	0.9	36
489	A holistic review of geosystem damage during unconventional oil, gas and geothermal energy recovery. <i>Fuel</i> , 2018, 227, 99-110.	3.4	31
490	Difference and Significance of Regenerative Versus Renewable Carbon Fuels and Products. <i>Topics in Catalysis</i> , 2018, 61, 522-529.	1.3	26
491	Numerical Models of Pore Pressure and Stress Changes Along Basement Faults Due to Wastewater Injection: Applications to the 2014 Milan, Kansas Earthquake. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1178-1198.	1.0	22

#	ARTICLE	IF	CITATIONS
492	Induced Seismicity. Annual Review of Earth and Planetary Sciences, 2018, 46, 149-174.	4.6	154
493	Microcrack-based geomechanical modeling of rock-gas interaction during supercritical CO <sub>2</sub> fracturing. Journal of Petroleum Science and Engineering, 2018, 164, 91-102.	2.1	79
494	Energy-Environmental Implications Of Shale Gas Exploration In Paranaí Hydrological Basin, Brazil. Renewable and Sustainable Energy Reviews, 2018, 90, 56-69.	8.2	16
495	A review on microbial lipids as a potential biofuel. Bioresource Technology, 2018, 259, 451-460.	4.8	98
496	Effect of pretreatment and operating conditions on the performance of membrane distillation for the treatment of shale gas wastewater. Desalination, 2018, 437, 195-209.	4.0	70
497	The effect of firm size on fracking safety. Resources and Energy Economics, 2018, 53, 101-113.	1.1	9
498	Association between localized geohazards in West Texas and human activities, recognized by Sentinel-1A/B satellite radar imagery. Scientific Reports, 2018, 8, 4727.	1.6	30
499	The availability of hydrogeologic data associated with areas identified by the US Geological Survey as experiencing potentially induced seismicity resulting from subsurface injection. Hydrogeology Journal, 2018, 26, 743-754.	0.9	2
500	Empirical and Numerical Investigation of the Effects of Hydraulic Fracturing Injection Rate on the Magnitude Distribution of Induced Seismicity Events. , 2018, , .		1
501	Hydromechanical Earthquake Nucleation Model Forecasts Onset, Peak, and Falling Rates of Induced Seismicity in Oklahoma and Kansas. Geophysical Research Letters, 2018, 45, 2963-2975.	1.5	63
502	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.	1.4	24
503	Global review of human-induced earthquakes. Earth-Science Reviews, 2018, 178, 438-514.	4.0	324
504	Environmental issues in seawater reverse osmosis desalination: Intakes and outfalls. Desalination, 2018, 434, 198-215.	4.0	214
505	The Influence of Fracturing Fluids on Fracturing Processes: A Comparison Between Water, Oil and SC-CO <sub>2</sub> . Rock Mechanics and Rock Engineering, 2018, 51, 299-313.	2.6	110
506	Acceptability of geothermal installations: A geoethical concept for GeoLaB. Geothermics, 2018, 73, 133-145.	1.5	30
507	Geothermal production and reduced seismicity: Correlation and proposed mechanism. Earth and Planetary Science Letters, 2018, 482, 470-477.	1.8	22
508	Reservoir permeability mapping using microearthquake data. Geothermics, 2018, 72, 83-100.	1.5	20
509	Managing geoenery-induced seismicity with society. Journal of Risk Research, 2018, 21, 1287-1294.	1.4	20

#	ARTICLE	IF	CITATIONS
510	Communicating Lowâ€Probability Highâ€Consequence Risk, Uncertainty and Expert Confidence: Induced Seismicity of Deep Geothermal Energy and Shale Gas. Risk Analysis, 2018, 38, 694-709.	1.5	26
511	2018 Oneâ€Year Seismic Hazard Forecast for the Central and Eastern United States from Induced and Natural Earthquakes. Seismological Research Letters, 2018, 89, 1049-1061.	0.8	71
512	Crustal Deformation in the Hutubi Underground Gas Storage Site in China Observed by GPS and InSAR Measurements. Seismological Research Letters, 2018, 89, 1467-1477.	0.8	11
513	Sensitivity of Full Moment Tensors to Data Preprocessing and Inversion Parameters: A Case Study from the Salton Sea Geothermal Field. Bulletin of the Seismological Society of America, 2018, 108, 588-603.	1.1	9
514	Distinguishing Fluid Flow Path from Pore Pressure Diffusion for Induced Seismicity. Bulletin of the Seismological Society of America, 2018, 108, 3684-3686.	1.1	25
515	Natural and Induced Seismicity in the Texas and Oklahoma Panhandles. Seismological Research Letters, 2018, 89, 2437-2446.	0.8	11
516	Determination of Local Magnitude Distance Corrections for Northern Oklahoma. Seismological Research Letters, 2018, 89, 1786-1795.	0.8	8
517	Critically Stressed Areas of Earthâ€™s Crust as Medium for Man-caused Hazards. E3S Web of Conferences, 2018, 56, 02007.	0.2	12
518	The 2013â€2016 Induced Earthquakes in Harper and Sumner Counties, Southern Kansas. Bulletin of the Seismological Society of America, 2018, 108, 674-689.	1.1	55
519	Empirically Calibrated Groundâ€Motion Prediction Equation for Oklahoma. Bulletin of the Seismological Society of America, 2018, 108, 2444-2461.	1.1	23
520	Tilt Trivia: A Free Multiplayer App to Learn Geoscience Concepts and Definitions. Seismological Research Letters, 2018, 89, 1908-1915.	0.8	0
521	Spatiotemporal Assessment of Induced Seismicity in Oklahoma: Foreseeable Fewer Earthquakes for Sustainable Oil and Gas Extraction?. Geosciences (Switzerland), 2018, 8, 436.	1.0	2
522	Local seismicity alterations in the South Yakutia mining region due to the technogenic impact on its geological environment. E3S Web of Conferences, 2018, 56, 04019.	0.2	0
523	Reaction of the fault zone to periodic seismic impact by example of the Korobkovo ore deposit. AIP Conference Proceedings, 2018, , .	0.3	4
524	Cyclic soft stimulation (CSS): a new fluid injection protocol and traffic light system to mitigate seismic risks of hydraulic stimulation treatments. Geothermal Energy, 2018, 6, .	0.9	65
525	Multiscale Analysis of Spatiotemporal Relationship Between Injection and Seismicity in Oklahoma. Journal of Geophysical Research: Solid Earth, 2018, 123, 8711-8731.	1.4	16
526	An Overview of New Developments in Shale Gas: Induced Seismicity Aspect. , 2018, , .		2
527	Geospatial analysis of Oklahoma (USA) earthquakes (2011â€2016): Quantifying the limits of regional-scale earthquake mitigation measures. Geology, 2018, 46, 215-218.	2.0	22

#	ARTICLE	IF	CITATIONS
528	Long-Period Long-Duration Events Detected by the IRIS Community Wavefield Demonstration Experiment in Oklahoma: Tremor or Train Signals?. <i>Seismological Research Letters</i> , 2018, 89, 1652-1659.	0.8	12
529	Multiple Change-Point Detection in Spatiotemporal Seismicity Data. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1147-1159.	1.1	9
530	Assessing the Applicability of Ground-Motion Models for Induced Seismicity Application in Central and Eastern North America. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2265-2277.	1.1	9
531	Interevent Triggering in Microseismicity Induced by Hydraulic Fracturing. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1133-1146.	1.1	19
532	Review: Factors Affecting the Assessment of Earthquake Hazard from Compressional Inversion Structure. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1819-1836.	1.1	11
533	Seismicity Rate Surge on Faults after Shut-In: Poroelastic Response to Fluid Injection. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1889-1904.	1.1	19
534	Coda wave interferometry during the heating of deep geothermal reservoir rocks. <i>Geothermal Energy</i> , 2018, 6, .	0.9	2
535	Robust Picking and Accurate Location with RSNI-Picker2: Real-Time Automatic Monitoring of Earthquakes and Nontectonic Events. <i>Seismological Research Letters</i> , 2018, 89, 1478-1487.	0.8	11
536	A Possible Mechanism of Reservoir-Induced Earthquakes in the Three Gorges Reservoir, Central China. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 3016-3028.	1.1	21
537	Proximity of Precambrian basement affects the likelihood of induced seismicity in the Appalachian, Illinois, and Williston Basins, central and eastern United States. , 2018, 14, 1365-1379.		59
538	Borehole geophysical characterisation of a major fault zone in the geothermal Unterhaching Gt 2 well, South German Molasse Basin. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2018, 169, 445-463.	0.1	6
539	New Disasters in the Twittersphere: How Communities Utilize Social Media to Seek and Share Information in the Wake of Induced Seismicity. , 2018, , .		2
540	Friction-Stability-Permeability Evolution of a Fracture in Granite. <i>Water Resources Research</i> , 2018, 54, 9901-9918.	1.7	46
541	Geodetic Imaging of Fault Systems from Airborne Platforms: UAVSAR and Structure from Motion. , 2018, , .		2
542	A decade of Marcellus Shale: Impacts to people, policy, and culture from 2008 to 2018 in the Greater Mid-Atlantic region of the United States. <i>The Extractive Industries and Society</i> , 2018, 5, 596-609.	0.7	31
543	Coulomb Stress Transfer Influences Fault Reactivation in Areas of Wastewater Injection. <i>Geophysical Research Letters</i> , 2018, 45, 11,059.	1.5	12
544	Effect of Fault Architecture and Permeability Evolution on Response to Fluid Injection. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9982-9997.	1.4	46
545	Incorporating Induced Seismicity Source Models and Ground Motion Predictions to Forecast Dynamic Regional Risk. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
546	Engineering Characteristics of Earthquake Motions from the Pawnee and Cushing Earthquakes in Oklahoma. , 2018, , .		1
547	Hazard Implications of the 2016 Mw 5.0 Cushing, OK Earthquake from a Joint Analysis of Damage and InSAR Data. Remote Sensing, 2018, 10, 1715.	1.8	16
548	Numerical Modeling of Injectionâ€­Induced Earthquakes Using Laboratoryâ€­Derived Friction Laws. Water Resources Research, 2018, 54, 9833-9859.	1.7	20
549	IMPACT OF THE BAKKEN/THREE FORKS UNCONVENTIONAL OIL AND GAS DEVELOPMENT ON NATURAL HABITATS IN NORTH DAKOTA. Land Degradation and Development, 2018, 30, 524.	1.8	9
550	Numerical simulation of fault activity owing to hydraulic fracturing. Applied Geophysics, 2018, 15, 367-381.	0.1	4
551	Fault Reactivation by Fluid Injection: Controls From Stress State and Injection Rate. Geophysical Research Letters, 2018, 45, 12,837.	1.5	70
552	Earthquakes Induced by Hydraulic Fracturing Are Pervasive in Oklahoma. Journal of Geophysical Research: Solid Earth, 2018, 123, 10,918.	1.4	81
553	Public perceptions of shale gas in the UK: framing effects and decision heuristics. Energy, Ecology and Environment, 2018, 3, 305-316.	1.9	8
554	Fully Dynamic Spontaneous Rupture Due to Quasiâ€­Static Pore Pressure and Poroelastic Effects: An Implicit Nonlinear Computational Model of Fluidâ€­Induced Seismic Events. Journal of Geophysical Research: Solid Earth, 2018, 123, 9430-9468.	1.4	40
555	Permeability Evolution and Frictional Stability of Fabricated Fractures With Specified Roughness. Journal of Geophysical Research: Solid Earth, 2018, 123, 9355-9375.	1.4	48
556	Subsurface Fluid Pressure and Rock Deformation Monitoring Using Seismic Velocity Observations. Geophysical Research Letters, 2018, 45, 10,389-10,397.	1.5	34
557	Lost for Words Amongst Disaster Risk Science Vocabulary?. International Journal of Disaster Risk Science, 2018, 9, 281-291.	1.3	81
558	The exponential rise of induced seismicity with increasing stress levels in the Groningen gas field and its implications for controlling seismic risk. Geophysical Journal International, 2018, 213, 1693-1700.	1.0	41
559	Wastewater Injection and Slip Triggering: Results from a 3d Coupled Reservoir/Rate-and-State Model. , 2018, , .		0
560	A Probabilistic Approach to Injectionâ€­Induced Seismicity Assessment in the Presence and Absence of Flow Boundaries. Geophysical Research Letters, 2018, 45, 8182-8189.	1.5	7
561	Physics-based forecasting of man-made earthquake hazards in Oklahoma and Kansas. Nature Communications, 2018, 9, 3946.	5.8	107
562	Spatial Modeling to Identify Sociodemographic Predictors of Hydraulic Fracturing Wastewater Injection Wells in Ohio Census Block Groups. Environmental Health Perspectives, 2018, 126, 067008.	2.8	23
563	On the Relationship Between Fault Permeability Increases, Induced Stress Perturbation, and the Growth of Aseismic Slip During Fluid Injection. Geophysical Research Letters, 2018, 45, 11,012.	1.5	70



#	ARTICLE	IF	CITATIONS
564	Evolution of Shale Microstructure under Microwave Irradiation Stimulation. <i>Energy &amp; Fuels</i> , 2018, 32, 11467-11476.	2.5	18
565	Earthquake Rupture in Fault Zones With Along-Strike Material Heterogeneity. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9884-9898.	1.4	21
566	3D Modeling of Induced Seismicity Along Multiple Faults: Magnitude, Rate, and Location in a Poroelasticity System. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9866-9883.	1.4	25
567	The housing market impacts of wastewater injection induced seismicity risk. <i>Journal of Environmental Economics and Management</i> , 2018, 92, 251-269.	2.1	21
568	Faults and associated karst collapse suggest conduits for fluid flow that influence hydraulic fracturing-induced seismicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10003-E10012.	3.3	45
569	Induced Seismicity in Western Canada Linked to Tectonic Strain Rate: Implications for Regional Seismic Hazard. <i>Geophysical Research Letters</i> , 2018, 45, 11,104.	1.5	30
570	Inferring fault slip rates from cumulative seismic moment in a multiple asperity context. <i>Geophysical Journal International</i> , 0, , .	1.0	4
571	Dynamic and Quasi-Dynamic Modeling of Injection-Induced Earthquakes in Poroelastic Media. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5730-5759.	1.4	27
572	Fracture Network Characterization Using Stress-Based Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9324-9340.	1.4	21
573	Fracking Bad Guys: The Role of Narrative Character Affect in Shaping Hydraulic Fracturing Policy Preferences. <i>Policy Studies Journal</i> , 2018, 46, 978-999.	3.2	19
574	Induced earthquake and liquefaction hazards in Oklahoma, USA: Constraints from InSAR. <i>Remote Sensing of Environment</i> , 2018, 218, 1-12.	4.6	17
575	Membrane fouling and reusability in membrane distillation of shale oil and gas produced water: Effects of membrane surface wettability. <i>Journal of Membrane Science</i> , 2018, 567, 199-208.	4.1	101
576	Comparative study on dynamic shear behavior and failure mechanism of two types of granite joint. <i>Engineering Geology</i> , 2018, 245, 356-369.	2.9	54
577	Reservoir Stimulation's Effect on Depletion-Induced Seismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7806-7823.	1.4	1
578	Seismogenic Index of Underground Fluid Injections and Productions. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7983-7997.	1.4	22
579	Fluid Injection and the Mechanics of Frictional Stability of Shale-Bearing Faults. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8364-8384.	1.4	59
580	Induced Earthquake Families Reveal Distinctive Evolutionary Patterns Near Disposal Wells. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8045-8055.	1.4	27
581	Cost Optimization of Osmotically Assisted Reverse Osmosis. <i>Environmental Science &amp; Technology</i> , 2018, 52, 11813-11821.	4.6	24

#	ARTICLE	IF	CITATIONS
582	Injection-Induced Shear Slip and Permeability Enhancement in Granite Fractures. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9009-9032.	1.4	121
583	Management strategies in response to an institutional crisis: The case of earthquakes in the Netherlands. <i>Public Administration</i> , 2018, 96, 513-527.	2.3	11
584	Tidal Response of Groundwater in a Leaky Aquifer—Application to Oklahoma. <i>Water Resources Research</i> , 2018, 54, 8019-8033.	1.7	70
585	Analytical Model to Detect Fault Permeability Alteration Induced by Fault Reactivation in Compartmentalized Reservoirs. <i>Water Resources Research</i> , 2018, 54, 5841-5855.	1.7	9
586	Shale development in the US and Canada: A review of engagement practice. <i>The Extractive Industries and Society</i> , 2018, 5, 557-569.	0.7	11
587	The spatial footprint of injection wells in a global compilation of induced earthquake sequences. <i>Science</i> , 2018, 361, 899-904.	6.0	154
588	El Cuchillo Seismic Sequence of October 2013–July 2014 in the Burgos Basin, Northeastern Mexico: Hydraulic Fracturing or Reservoir-Induced Seismicity?. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 3092-3106.	1.1	8
589	Patterns of Reservoir-Triggered Seismicity in a Low-Seismicity Region of France. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2967-2982.	1.1	9
590	Fluid Injection and Time-Dependent Seismic Hazard in the Barnett Shale, Texas. <i>Geophysical Research Letters</i> , 2018, 45, 4743-4753.	1.5	37
591	Polyacrylamide in hydraulic fracturing fluid causes severe membrane fouling during flowback water treatment. <i>Journal of Membrane Science</i> , 2018, 560, 125-131.	4.1	25
592	Foreshocks, <i>b</i> Value Map, and Aftershock Triggering for the 2011 <i>M<sub>w</sub></i> 5.7 Virginia Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5082-5098.	1.4	30
593	An updated stress map of the continental United States reveals heterogeneous intraplate stress. <i>Nature Geoscience</i> , 2018, 11, 433-437.	5.4	54
594	The effects of fluid transport on the creation of a dense cluster of activated fractures in a porous medium. <i>Journal of Fluid Mechanics</i> , 2018, 847, 286-328.	1.4	4
595	Increased likelihood of induced seismicity in highly overpressured shale formations. <i>Geophysical Journal International</i> , 2018, 214, 751-757.	1.0	82
596	Seismic and Geologic Evidence of Water-Induced Earthquakes in the Three Gorges Reservoir Region of China. <i>Geophysical Research Letters</i> , 2018, 45, 5929-5936.	1.5	26
597	Evaluating Micro-Seismic Events Triggered by Reservoir Operations at the Geothermal Site of Großschänbecker (Germany). <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 3265-3279.	2.6	31
598	Disclosing water-energy-economics nexus in shale gas development. <i>Applied Energy</i> , 2018, 225, 710-731.	5.1	15
599	Siting enhanced geothermal systems (EGS): Heat benefits versus induced seismicity risks from an investor and societal perspective. <i>Energy</i> , 2018, 164, 1311-1325.	4.5	35

#	ARTICLE	IF	CITATIONS
600	A serendipitous, quasi-natural experiment: earthquake risk perceptions and hazard adjustments among college students. <i>Natural Hazards</i> , 2018, 93, 987-1011.	1.6	13
601	Upward migration of gas in an active tectonic basin: An example from the sea of Marmara. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 153, 17-35.	0.6	12
602	Risk assessment of seismic hazards in hydraulic fracturing areas based on fuzzy comprehensive evaluation and AHP method (FAHP): A case analysis of Shangluo area in Yibin City, Sichuan Province, China. <i>Journal of Petroleum Science and Engineering</i> , 2018, 170, 797-812.	2.1	50
603	Geomechanical Sensitivities of Injection-Induced Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 8958-8965.	1.5	11
604	The seismo-hydromechanical behavior during deep geothermal reservoir stimulations: open questions tackled in a decameter-scale in situ stimulation experiment. <i>Solid Earth</i> , 2018, 9, 115-137.	1.2	126
605	Assessing the feasibility of using produced water for irrigation in Colorado. <i>Science of the Total Environment</i> , 2018, 640-641, 619-628.	3.9	61
606	Reverse-time ray-tracing method for microseismic source localization. <i>Geophysical Journal International</i> , 2018, 214, 2053-2072.	1.0	4
607	Microseismic insights into the fracturing behavior of a mature reservoir in the Pembina field, Alberta. <i>Geophysics</i> , 2018, 83, B289-B303.	1.4	5
608	Can Repetitive Small Magnitude-Induced Seismic Events Actually Cause Damage?. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-5.	0.4	5
609	3.6 Geothermal Energy Production. , 2018, , 252-303.		3
610	Well completion issues for underground gas storage in oil and gas reservoirs in China. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 584-591.	2.1	42
611	Insights into the rejection of barium and strontium by nanofiltration membrane from experimental and modeling analysis. <i>Journal of Membrane Science</i> , 2018, 564, 742-752.	4.1	27
612	A Flatfile of Ground Motion Intensity Measurements from Induced Earthquakes in Oklahoma and Kansas. <i>Earthquake Spectra</i> , 2018, 34, 1-20.	1.6	31
613	Oklahoma earthquakes and the price of oil. <i>Energy Policy</i> , 2018, 121, 365-373.	4.2	8
614	A finite difference method for earthquake sequences in poroelastic solids. <i>Computational Geosciences</i> , 2018, 22, 1351-1370.	1.2	17
615	A Hybrid Empirical Green's Function Technique for Predicting Ground Motion from Induced Seismicity: Application to the Basel Enhanced Geothermal System. <i>Geosciences (Switzerland)</i> , 2018, 8, 180.	1.0	2
616	Modelling earthquake diffusion as a continuous-time random walk with fractional kinetics: the case of the 2001 Agios Ioannis earthquake swarm (Corinth Rift). <i>Geophysical Journal International</i> , 2018, 215, 333-345.	1.0	14
617	Modelling fluid-induced seismicity rates associated with fluid injections: examples related to fracture stimulations in geothermal areas. <i>Geophysical Journal International</i> , 2018, 215, 471-493.	1.0	15

#	ARTICLE	IF	CITATIONS
618	Investigation of mining-induced earthquakes in Iran within a time window of 2006–2013. <i>Journal of Seismology</i> , 2018, 22, 1437-1450.	0.6	4
619	Analytical investigation of hydraulic fracture-induced seismicity and fault activation. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	9
620	Seismicity Induced by Simultaneous Abrupt Changes of Injection Rate and Well Pressure in Hutubi Gas Field. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5929-5944.	1.4	26
621	Above zone pressure interpretation for leaky well characterization and its identification from leaky caprock/fault. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 218-228.	2.1	8
622	Induced seismicity hazard and risk by enhanced geothermal systems: an expert elicitation approach. <i>Environmental Research Letters</i> , 2018, 13, 034004.	2.2	13
623	Induced Seismicity and Permeability Evolution in Gas Shales, CO <sub>2</sub> Storage and Deep Geothermal Energy. , 2018, , 1-20.		1
624	A Robust Estimation of the 3D Intraplate Deformation of the North American Plate From GPS. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4388-4412.	1.4	73
625	Environmental Impacts of Replacing Slickwater with Low/No-Water Fracturing Fluids for Shale Gas Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7515-7524.	3.2	18
626	Trusting Government to Mitigate a New Hazard: The Case of Oklahoma Earthquakes. <i>Risk, Hazards and Crisis in Public Policy</i> , 2018, 9, 357-380.	1.4	29
627	Assessment of geological factors potentially affecting production-induced seismicity in North German gas fields. <i>Geomechanics for Energy and the Environment</i> , 2018, 16, 15-31.	1.2	26
628	Effective stress law for rock masses and its application in impoundment analysis based on deformation reinforcement theory. <i>Journal of Central South University</i> , 2018, 25, 218-229.	1.2	4
629	A combined ultrafiltration–reverse osmosis process for external reuse of Weiyuan shale gas flowback and produced water. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 942-955.	1.2	39
630	Induced seismicity at the UK “hot dry rock” test site for geothermal energy production. <i>Geophysical Journal International</i> , 2018, 214, 331-344.	1.0	16
631	Faults and Non-Double-Couple Components for Induced Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 8966-8975.	1.5	54
632	The lay of the land: The public, participation and policy in China’s fracking frenzy. <i>The Extractive Industries and Society</i> , 2018, 5, 508-514.	0.7	8
633	The intensification of the water footprint of hydraulic fracturing. <i>Science Advances</i> , 2018, 4, eaar5982.	4.7	159
634	Dynamic weakening during earthquakes controlled by fluid thermodynamics. <i>Nature Communications</i> , 2018, 9, 3074.	5.8	48
635	The surge of earthquakes in Central Oklahoma has features of reservoir-induced seismicity. <i>Scientific Reports</i> , 2018, 8, 11505.	1.6	34

#	ARTICLE	IF	CITATIONS
636	Small Earthquakes Matter in Injection-Induced Seismicity. <i>Geophysical Research Letters</i> , 2018, 45, 5445-5453.	1.5	30
637	Aeromagnetic Data Reveal Potential Seismogenic Basement Faults in the Induced Seismicity Setting of Oklahoma. <i>Geophysical Research Letters</i> , 2018, 45, 5948-5958.	1.5	15
638	Protocol for induced microseismicity in the first enhanced geothermal systems project in Pohang, Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 1182-1191.	8.2	41
639	Integrated Risks Assessment and Management of IOR/EOR Projects. , 2018, , 587-631.		1
640	Induced seismicity response of hydraulic fracturing: results of a multidisciplinary monitoring at the Wysin site, Poland. <i>Scientific Reports</i> , 2018, 8, 8653.	1.6	27
641	Seasonal patterns of seismicity and deformation at the Alutu geothermal reservoir, Ethiopia, induced by hydrological loading. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 175-182.	0.8	15
642	Going Public: Debating Matters of Concern As an Imperative for Management Scholars. <i>Academy of Management Review</i> , 2019, 44, 480-492.	7.4	14
643	Influence of High Total Dissolved Solids Concentration and Ionic Composition on $\hat{\text{I}}^3$ Spectroscopy Radium Measurements of Oil and Gas-Produced Water. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10295-10302.	4.6	5
644	Source localization and joint velocity model building using wavefront attributes. <i>Geophysical Journal International</i> , 2019, 219, 995-1007.	1.0	14
645	Flood 2018 and the status of reservoir-induced seismicity in Kerala, India. <i>Natural Hazards</i> , 2019, 99, 307-319.	1.6	21
646	Effect of Clay and Organic Matter Content on the Shear Slip Properties of Shale. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9505-9525.	1.4	14
647	Illuminating the Rupturing of Microseismic Sources in an Injection-Induced Earthquake Experiment. <i>Geophysical Research Letters</i> , 2019, 46, 9563-9572.	1.5	12
648	Disentangling the Simultaneous Effects of Inertial Losses and Fracture Dilation on Permeability of Pressurized Fractured Rocks. <i>Geophysical Research Letters</i> , 2019, 46, 8862-8871.	1.5	17
649	Fluid driven shear cracks on a strengthening rate-and-state frictional fault. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 132, 103672.	2.3	30
650	From trash to treasure: Three-dimensional basement imaging with "excess" data from oil and gas explorations. <i>AAPG Bulletin</i> , 2019, 103, 1691-1701.	0.7	4
651	Introduction to Geologic Structural Discontinuities. , 2019, , 1-26.		1
652	Elastic Rock Rheology and Stress Concentration. , 2019, , 27-74.		2
653	Stress, Mohr Circles, and Deformation at Peak Strength. , 2019, , 75-142.		0

#	ARTICLE	IF	CITATIONS
654	Cracks and Anticracks. , 2019, , 143-169.		0
655	Discontinuity Patterns and Their Interpretation. , 2019, , 170-208.		2
656	Faults. , 2019, , 209-264.		0
657	Deformation Bands. , 2019, , 265-331.		0
658	Fracture Mechanics: A Tour of Basic Principles. , 2019, , 332-399.		1
659	Beyond Linear Elastic Fracture Mechanics. , 2019, , 400-503.		0
663	Adaptive moment-tensor joint inversion of clustered microseismic events for monitoring geological carbon storage. Geophysical Journal International, 2019, 219, 80-93.	1.0	4
664	Long-term In Situ Permeability Variations of an Active Fault Zone in the Interseismic Period. Pure and Applied Geophysics, 2019, 176, 5279-5289.	0.8	2
665	The Effects of Earthquakes and Fluids on the Metamorphism of the Lower Continental Crust. Journal of Geophysical Research: Solid Earth, 2019, 124, 7725-7755.	1.4	67
666	Changes of Slip Rate and Slip Plane Orientation by Fault Geometrical Complexities During Fluid Injection. Journal of Geophysical Research: Solid Earth, 2019, 124, 9226-9246.	1.4	5
667	Ground Motions from Induced Earthquakes in Oklahoma and Kansas. Seismological Research Letters, 2019, 90, 160-170.	0.8	12
668	Fluid-dependent shear slip behaviors of coal fractures and their implications on fracture frictional strength reduction and permeability evolutions. International Journal of Coal Geology, 2019, 212, 103235.	1.9	23
669	Injection-induced Propagation and Coalescence of Preexisting Fractures in Granite Under Triaxial Stress. Journal of Geophysical Research: Solid Earth, 2019, 124, 7806-7821.	1.4	30
670	High density oilfield wastewater disposal causes deeper, stronger, and more persistent earthquakes. Nature Communications, 2019, 10, 3077.	5.8	31
671	Microseismic Portrait of the Montello Thrust (Southeastern Alps, Italy) from a Dense High Quality Seismic Network. Seismological Research Letters, 0, , .	0.8	14
672	Aftershock deficiency of induced earthquake sequences during rapid mitigation efforts in Oklahoma. Earth and Planetary Science Letters, 2019, 522, 135-143.	1.8	28
673	Rupture Process of the $M_w$ 3.3 Earthquake in the St. Gallen 2013 Geothermal Reservoir, Switzerland. Geophysical Research Letters, 2019, 46, 7990-7999.	1.5	10
674	Effect of the Injection Scenario on the Rate and Magnitude Content of Injection-induced Seismicity: Case of a Heterogeneous Fault. Journal of Geophysical Research: Solid Earth, 2019, 124, 8426-8448.	1.4	21

#	ARTICLE	IF	CITATIONS
675	Seismological Investigations of Induced Earthquakes Near the Hutubi Underground Gas Storage Facility. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8753-8770.	1.4	25
676	Creep Deformation in Vaca Muerta Shale From Nanoindentation to Triaxial Experiments. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7842-7868.	1.4	38
677	<i>110th Anniversary</i>: Industrial Process Water Treatment and Reuse Enabled by Selective Ion Exchange Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 14873-14879.	1.8	4
678	Tropospheric corrections for InSAR: Statistical assessments and applications to the Central United States and Mexico. <i>Remote Sensing of Environment</i> , 2019, 232, 111326.	4.6	62
679	Fault Reactivation During Fluid Pressure Oscillations: Transition From Stable to Unstable Slip. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10940-10953.	1.4	50
680	Model-Based Evaluation of Methods for Maximizing Efficiency and Effectiveness of Hydraulic Fracture Stimulation of Horizontal Wells. <i>Geophysical Research Letters</i> , 2019, 46, 12870-12880.	1.5	8
681	Context matters: Fracking attitudes, knowledge and trust in three communities in Alberta, Canada. <i>The Extractive Industries and Society</i> , 2019, 6, 1325-1332.	0.7	8
682	On the Portability of MLâ€‘Mc as a Depth Discriminant for Small Seismic Events Recorded at Local Distances. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1661-1673.	1.1	12
683	Sustainable development of enhanced geothermal systems based on geotechnical research â€‘ A review. <i>Earth-Science Reviews</i> , 2019, 199, 102955.	4.0	103
684	Food Crop Irrigation with Oilfield-Produced Water Suppresses Plant Immune Response. <i>Environmental Science and Technology Letters</i> , 2019, 6, 656-661.	3.9	24
685	Focal-time analysis: A new method for stratigraphic depth control of microseismicity and induced seismic events. <i>Geophysics</i> , 2019, 84, KS173-KS182.	1.4	16
686	Land Surface Temperature Variation Following the 2017 Mw 7.3 Iran Earthquake. <i>Remote Sensing</i> , 2019, 11, 2411.	1.8	6
691	Tectonic and geological setting of the earthquake hazards in the Changning shale gas development zone, Sichuan Basin, SW China. <i>Petroleum Exploration and Development</i> , 2019, 46, 1051-1064.	3.0	60
692	Fault slippage and its permeability evolution during supercritical CO<sub>2</sub> fracturing in layered formation. <i>Oil and Gas Science and Technology</i> , 2019, 74, 76.	1.4	1
693	Numerical Simulation of Simultaneous Hydraulic Fracture Growth Within a Rock Layer: Implications for Stimulation of Lowâ€‘Permeability Reservoirs. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13227-13249.	1.4	27
694	Hydraulic Fracture Injection Strategy Influences the Probability of Earthquakes in the Eagle Ford Shale Play of South Texas. <i>Geophysical Research Letters</i> , 2019, 46, 12958-12967.	1.5	33
695	Stress Drops and Directivity of Induced Earthquakes in the Western Canada Sedimentary Basin. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1635-1652.	1.1	29
696	Characterizing Seismogenic Fault Structures in Oklahoma Using a Relocated Templateâ€‘Matched Catalog. <i>Seismological Research Letters</i> , 0, , .	0.8	26

#	ARTICLE	IF	CITATIONS
699	Fiber Optic Sensing for Geomechanical Monitoring: (2)- Distributed Strain Measurements at a Pumping Test and Geomechanical Modeling of Deformation of Reservoir Rocks. Applied Sciences (Switzerland), 2019, 9, 417.	1.3	19
700	Quantifying Fracture Networks Inferred From Microseismic Point Clouds by a Gaussian Mixture Model With Physical Constraints. Geophysical Research Letters, 2019, 46, 11008-11017.	1.5	21
701	Improving Absolute Earthquake Location in West Texas Using Probabilistic, Proxy Ground Truth Station Corrections. Journal of Geophysical Research: Solid Earth, 2019, 124, 11447-11465.	1.4	39
702	An Improved Framework for Discriminating Seismicity Induced by Industrial Activities from Natural Earthquakes. Seismological Research Letters, 0, , .	0.8	13
703	High-sensitivity microseismic monitoring: Automatic detection and localization of subsurface noise sources using matched-field processing and dense patch arrays. Geophysics, 2019, 84, KS211-KS223.	1.4	16
704	Geochemical data for produced waters from conventional and unconventional oil and gas wells: Results from Colorado, USA. E3S Web of Conferences, 2019, 98, 03002.	0.2	0
705	The Hierarchy of Development of Geodynamic Processes of the Earth's Crust During the Development of Kuzbass Deposits. IOP Conference Series: Earth and Environmental Science, 2019, 272, 022020.	0.2	0
706	Interferometric time-lapse velocity analysis: application to a salt-water disposal well in British Columbia, Canada. Geophysical Journal International, 2019, 219, 834-852.	1.0	2
708	Production and Depletion. , 2019, , 345-374.		0
709	Stress, Pore Pressure, Fractures and Faults. , 2019, , 181-230.		0
710	Horizontal Drilling and Multi-Stage Hydraulic Fracturing. , 2019, , 233-262.		1
713	Composition, Fabric, Elastic Properties and Anisotropy. , 2019, , 31-64.		2
714	Strength and Ductility. , 2019, , 65-90.		1
715	Frictional Properties. , 2019, , 91-114.		0
716	Pore Networks and Pore Fluids. , 2019, , 115-148.		0
717	Flow and Sorption. , 2019, , 149-180.		0
718	Reservoir Seismology. , 2019, , 263-300.		0
719	Induced Shear Slip during Hydraulic Fracturing. , 2019, , 301-321.		0



#	ARTICLE	IF	CITATIONS
720	Geomechanics and Stimulation Optimization. , 2019, , 322-344.		1
721	Environmental Impacts and Induced Seismicity. , 2019, , 377-405.		1
722	The susceptibility of Oklahoma's basement to seismic reactivation. Nature Geoscience, 2019, 12, 839-844.	5.4	52
723	3-D mechanical analysis of complex reservoirs: a novel mesh-free approach. Geophysical Journal International, 2019, 219, 1118-1130.	1.0	13
724	Managing the Risk of Injection-Induced Seismicity. , 2019, , 406-441.		0
725	The risks of long-term re-injection in supercritical geothermal systems. Nature Communications, 2019, 10, 4391.	5.8	74
726	Investigation of Hydraulic Fracturing Behavior in Heterogeneous Laminated Rock Using a Micromechanics-Based Numerical Approach. Energies, 2019, 12, 3500.	1.6	2
727	Who benefits from local oil and gas employment? Labor market composition in the oil and gas industry in Texas and the rest of the United States. Energy Economics, 2019, 84, 104515.	5.6	18
728	TexNet: A Statewide Seismological Network in Texas. Seismological Research Letters, 0, , .	0.8	31
729	Triggering of the Pohang, Korea, Earthquake (Mw5.5) by Enhanced Geothermal System Stimulation. Seismological Research Letters, 0, , .	0.8	74
730	A Numerical Model for the Effect of Permeability Change on Faulting During Fluid Injection. Journal of Geophysical Research: Solid Earth, 2019, 124, 2080-2101.	1.4	11
731	Constitutive Law for Earthquake Production Based on Rate- and State Friction: Theory and Application of Interacting Sources. Journal of Geophysical Research: Solid Earth, 2019, 124, 1802-1821.	1.4	14
732	Response of Induced Seismicity to Injection Rate Reduction: Models of Delay, Decay, Quiescence, Recovery, and Oklahoma. Water Resources Research, 2019, 55, 656-681.	1.7	26
733	Maintaining the status quo: understanding local use of resilience strategies to address earthquake risk in Oklahoma. Local Government Studies, 2019, 45, 433-452.	1.6	11
734	A review of the current status of induced seismicity monitoring for hydraulic fracturing in unconventional tight oil and gas reservoirs. Fuel, 2019, 242, 195-210.	3.4	154
735	Seismic Response to Injection Well Stimulation in a High-Temperature, High-Permeability Reservoir. Geochemistry, Geophysics, Geosystems, 2019, 20, 2848-2871.	1.0	13
736	Investigating Hydraulic Fracturing Complexity in Naturally Fractured Rock Masses Using Fully Coupled Multiscale Numerical Modeling. Rock Mechanics and Rock Engineering, 2019, 52, 5137-5160.	2.6	176
737	Integration of field, laboratory, and modeling aspects of acid fracturing: A comprehensive review. Journal of Petroleum Science and Engineering, 2019, 181, 106158.	2.1	73

#	ARTICLE	IF	CITATIONS
738	Probability of fault reactivation in the Bavarian Molasse Basin. <i>Geothermics</i> , 2019, 82, 81-90.	1.5	21
739	Basement Fault Reactivation by Fluid Injection Into Sedimentary Reservoirs: Poroelastic Effects. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7354-7369.	1.4	52
740	Earthquake Hydrogeology. <i>Water Resources Research</i> , 2019, 55, 5212-5216.	1.7	29
741	Investigation on heat extraction characteristics in randomly fractured geothermal reservoirs considering thermo-â€poroelastic effects. <i>Energy Science and Engineering</i> , 2019, 7, 1705-1726.	1.9	23
742	Induced seismicity in geologic carbon storage. <i>Solid Earth</i> , 2019, 10, 871-892.	1.2	74
743	Are earthquake swarms in South Gujarat, northwestern Deccan Volcanic Province of India monsoon induced?. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	13
744	Unconventional reservoir development footprints. , 2019, , 97-106.		0
746	Squeezing Marsquakes Out of Groundwater. <i>Geophysical Research Letters</i> , 2019, 46, 6333-6340.	1.5	9
747	Robust Stress Drop Estimates of Potentially Induced Earthquakes in Oklahoma: Evaluation of Empirical Green's Function. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5854-5866.	1.4	14
748	Do Injection-â€Induced Earthquakes Rupture Away from Injection Wells due to Fluid Pressure Change?. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 358-371.	1.1	11
749	Impact of Chemical Environment on Compaction Creep of Quartz Sand and Possible Geomechanical Applications. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5584-5606.	1.4	9
750	Assessments of the Performance of the 2017 One-â€Year Seismic-â€Hazard Forecast for the Central and Eastern United States via Simulated Earthquake Shaking Data. <i>Seismological Research Letters</i> , 2019, 90, 1155-1167.	0.8	7
751	A Complete Automatic Procedure to Compile Reliable Seismic Catalogs and Travel-â€Time and Strong-â€Motion Parameters Datasets. <i>Seismological Research Letters</i> , 2019, 90, 1308-1317.	0.8	6
752	Traffic Light Systems: To What Extent Can Induced Seismicity Be Controlled?. <i>Seismological Research Letters</i> , 2019, 90, 1145-1154.	0.8	50
753	An implicit joint-continuum model for the hydro-mechanical analysis of fractured rock masses. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 119, 140-148.	2.6	23
754	Artificial Neural Network-â€Based Framework for Developing Ground-â€Motion Models for Natural and Induced Earthquakes in Oklahoma, Kansas, and Texas. <i>Seismological Research Letters</i> , 2019, 90, 604-613.	0.8	36
755	Arterial faults and their role in mineralizing systems. <i>Geoscience Frontiers</i> , 2019, 10, 2093-2100.	4.3	21
756	The shear behavior of sandstone joints under different fluid and temperature conditions. <i>Engineering Geology</i> , 2019, 257, 105143.	2.9	24

#	ARTICLE	IF	CITATIONS
757	Public perceptions and information seeking intentions related to seismicity in five Texas communities. <i>International Journal of Disaster Risk Reduction</i> , 2019, 37, 101147.	1.8	30
758	Increases in Life-Safety Risks to Building Occupants from Induced Earthquakes in the Central United States. <i>Earthquake Spectra</i> , 2019, 35, 471-488.	1.6	11
759	Effect of Fluid Chemistry on the Interfacial Composition, Adhesion, and Frictional Response of Calcite Single Crystals—Implications for Injection-Induced Seismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5607-5628.	1.4	11
760	Mathematical Modelling of Fault Reactivation Induced by Water Injection. <i>Minerals (Basel)</i> , 2019, 9, 1078-1104.	0.8	11
761	The role of space and place in social media communication: two case studies of policy perspectives. <i>Journal of Computational Social Science</i> , 2019, 2, 221-244.	1.4	3
762	Effect of interaction between fluid and fault zone on triggering earthquakes in the shallow crust. <i>Mineralogy and Petrology</i> , 2019, 113, 493-504.	0.4	1
763	Accurate imaging of hydraulic fractures using templated electrical resistivity tomography. <i>Geothermics</i> , 2019, 81, 74-87.	1.5	11
764	Fluid-induced aseismic fault slip outpaces pore-fluid migration. <i>Science</i> , 2019, 364, 464-468.	6.0	150
765	Application of a Small Baseline Subset Time Series Method with Atmospheric Correction in Monitoring Results of Mining Activity on Ground Surface and in Detecting Induced Seismic Events. <i>Remote Sensing</i> , 2019, 11, 1008.	1.8	16
766	Source Complexity of the 2015 Mw 4.0 Guthrie, Oklahoma Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 4674-4684.	1.5	28
767	Spatiotemporal Variations in Crustal Seismic Anisotropy Surrounding Induced Earthquakes Near Fox Creek, Alberta. <i>Geophysical Research Letters</i> , 2019, 46, 5180-5189.	1.5	23
768	Initiation and arrest of earthquake ruptures due to elongated overstressed regions. <i>Geophysical Journal International</i> , 2019, 217, 1783-1797.	1.0	9
769	An Investigation of Seismicity Induced by Hydraulic Fracturing in the Sichuan Basin of China Based on Data from a Temporary Seismic Network. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 348-357.	1.1	59
770	The December 2018 M <sub>L</sub> 5.7 and January 2019 M <sub>L</sub> 5.3 Earthquakes in South Sichuan Basin Induced by Shale Gas Hydraulic Fracturing. <i>Seismological Research Letters</i> , 2019, 90, 1099-1110.	0.8	150
771	Compaction-Induced Permeability Loss's Effect on Induced Seismicity During Reservoir Depletion. <i>Pure and Applied Geophysics</i> , 2019, 176, 4277-4296.	0.8	3
772	Controlling fluid-induced seismicity during a 6.1-km-deep geothermal stimulation in Finland. <i>Science Advances</i> , 2019, 5, eaav7224.	4.7	148
773	A framework for time-varying induced seismicity risk assessment, with application in Oklahoma. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 4475-4493.	2.3	14
774	Stress transfer patterns and local seismicity related to reservoir water-level variations. A case study in central Costa Rica. <i>Scientific Reports</i> , 2019, 9, 5600.	1.6	11

#	ARTICLE	IF	CITATIONS
776	Unsupervised Dictionary Learning for Signal-to-Noise Ratio Enhancement of Array Data. <i>Seismological Research Letters</i> , 2019, 90, 573-580.	0.8	15
777	Experimental Insights Into Fault Reactivation in Gouge-Filled Fault Zones. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4189-4204.	1.4	13
778	Leakage and Increasing Fluid Pressure Detected in Oklahoma's Wastewater Disposal Reservoir. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2896-2919.	1.4	27
779	Facilitating sustainable geo-resources exploitation: A review of environmental and geological risks of fluid injection into hydrocarbon reservoirs. <i>Earth-Science Reviews</i> , 2019, 194, 455-471.	4.0	13
780	Modeling of fault slip during hydraulic stimulation in a naturally fractured medium. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2019, 5, 237-251.	1.3	11
781	Experimental Studies of Anisotropy on Borehole Breakouts in Mancos Shale. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4119-4141.	1.4	14
782	The Effect of Varying Fluid Injection Activities on Induced Earthquakes through Joint-Enriched Finite Element Analyses. , 2019, , .		0
783	Delayed Dynamic Triggering of Disposal-Induced Earthquakes Observed by a Dense Array in Northern Oklahoma. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 3766-3781.	1.4	18
784	Joint inversion of gravity with cosmic ray muon data at a well-characterized site for shallow subsurface density prediction. <i>Geophysical Journal International</i> , 2019, 217, 1988-2002.	1.0	10
785	Effect of Dilatancy on the Transition From Aseismic to Seismic Slip Due to Fluid Injection in a Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 3724-3743.	1.4	26
786	Stabilization of fault slip by fluid injection in the laboratory and in situ. <i>Science Advances</i> , 2019, 5, eaau4065.	4.7	149
787	Adsorption-induced pore blocking and its mechanisms in nanoporous shale due to interactions with supercritical CO <sub>2</sub> . <i>Journal of Petroleum Science and Engineering</i> , 2019, 178, 74-81.	2.1	38
788	Microseismicity reveals fault activation before Mw 4.1 hydraulic-fracturing induced earthquake. <i>Geophysical Journal International</i> , 2019, 218, 534-546.	1.0	50
789	Energy of injection-induced seismicity predicted from in-situ experiments. <i>Scientific Reports</i> , 2019, 9, 4999.	1.6	35
790	Complexation and precipitation of scale-forming cations in oilfield produced water with polyelectrolytes. <i>Separation and Purification Technology</i> , 2019, 222, 1-10.	3.9	20
791	Induced Seismicity Driven by Fluid Diffusion Revealed by a Near-Field Hydraulic Stimulation Monitoring Array in the Montney Basin, British Columbia. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4694-4709.	1.4	42
792	Seismicity induced by hydraulic fracturing and wastewater disposal in the Appalachian Basin, USA: a review. <i>Acta Geophysica</i> , 2019, 67, 351-364.	1.0	38
793	Volumetric Deformation, Ultrasonic Velocities and Effective Stress Coefficients of St Peter Sandstone During Poroelastic Stress Changes. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 2901-2916.	2.6	11

#	ARTICLE	IF	CITATIONS
794	The politics of Asian fracking: Public risk perceptions towards shale gas development in China. <i>Energy Research and Social Science</i> , 2019, 54, 46-55.	3.0	21
795	Linking Injection-Induced Seismicity to Permeability Changes. , 2019, , .		0
796	Comparison of techno-economic performance and environmental impacts between shale gas and coal-based synthetic natural gas (SNG) in China. <i>Journal of Cleaner Production</i> , 2019, 215, 544-556.	4.6	56
797	The Role of Mineral Composition on the Frictional and Stability Properties of Powdered Reservoir Rocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1480-1497.	1.4	30
798	Including Non-Stationary Magnitude-“Frequency Distributions in Probabilistic Seismic Hazard Analysis. <i>Pure and Applied Geophysics</i> , 2019, 176, 2299-2319.	0.8	4
799	Produced water characteristics, treatment and reuse: A review. <i>Journal of Water Process Engineering</i> , 2019, 28, 222-239.	2.6	387
800	Including seismic risk mitigation measures into the Levelized Cost Of Electricity in enhanced geothermal systems for optimal siting. <i>Applied Energy</i> , 2019, 238, 831-850.	5.1	28
801	Fluid-Pressure Effects on Deformation: Analysis of the Lusi Mud Volcano. <i>Developments in Structural Geology and Tectonics</i> , 2019, 5, 67-74.	0.2	0
802	Slip perturbation during fault reactivation by a fluid injection. <i>Tectonophysics</i> , 2019, 757, 140-152.	0.9	12
803	Rupture Model of the M5.8 Pawnee, Oklahoma, Earthquake From Regional and Teleseismic Waveforms. <i>Geophysical Research Letters</i> , 2019, 46, 2494-2502.	1.5	12
804	Characteristics of microseismic waveforms induced by hydraulic fracturing in coal seam for coal rock dynamic disasters prevention. <i>Safety Science</i> , 2019, 115, 188-198.	2.6	42
805	Focal Mechanism Determination and Stress Inversion for Induced Seismicity Related to Shale Gas Hydraulic Fracturing. , 2019, , .		0
806	Injection-Induced Seismicity and Fault-Slip Potential in the Fort Worth Basin, Texas. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1615-1634.	1.1	52
807	On the Initiation of Dynamic Slips on Faults by Man-Made Impacts. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2019, 55, 1559-1571.	0.2	2
808	Spatiotemporal and stratigraphic trends in salt-water disposal practices of the Permian Basin, Texas and New Mexico, United States. <i>Environmental Geosciences</i> , 2019, 26, 107-124.	0.6	18
809	Short-Term Hindcasts of Seismic Hazard in the Western Canada Sedimentary Basin Caused by Induced and Natural Earthquakes. <i>Seismological Research Letters</i> , 2019, 90, 1420-1435.	0.8	24
810	Hydraulic fracture propagation in a heterogeneous stress field in a crystalline rock mass. <i>Solid Earth</i> , 2019, 10, 1877-1904.	1.2	26
811	Well Stimulation Seismicity in Oklahoma: Cataloging Earthquakes Related to Hydraulic Fracturing. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
812	Collapse of Reacted Fracture Surface Decreases Permeability and Frictional Strength. Journal of Geophysical Research: Solid Earth, 2019, 124, 12799-12811.	1.4	15
813	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.	1.4	23
814	An In-Depth Seismological Analysis Revealing a Causal Link Between the 2017 M <sub>w</sub> 5.5 Pohang Earthquake and EGS Project. Journal of Geophysical Research: Solid Earth, 2019, 124, 13060-13078.	1.4	70
815	Earthquake Arrival Association with Backprojection and Graph Theory. Bulletin of the Seismological Society of America, 2019, 109, 2510-2531.	1.1	23
816	An Overview of the Status and Challenges of CO <sub>2</sub> Storage in Minerals and Geological Formations. Frontiers in Climate, 2019, 1, .	1.3	200
817	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.	3.3	93
818	Tracking Induced Seismicity in the Fort Worth Basin: A Summary of the 2008–2018 North Texas Earthquake Study Catalog. Bulletin of the Seismological Society of America, 2019, 109, 1203-1216.	1.1	22
819	Offset Channels May Not Accurately Record Strike-slip Fault Displacement: Evidence From Landscape Evolution Models. Journal of Geophysical Research: Solid Earth, 2019, 124, 13427-13451.	1.4	39
820	The Large-Scale Seismic Survey in Oklahoma (LASSO) Experiment. Seismological Research Letters, 0, , .	0.8	14
821	Addressing the risks of induced seismicity in subsurface energy operations. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e324.	1.9	5
822	Statistical parameters of seismicity induced by the impoundment of the Three Gorges Reservoir, Central China. Tectonophysics, 2019, 751, 13-22.	0.9	12
823	Seismotectonics. , 2019, , 278-336.		0
824	Earthquake prediction and hazard analysis. , 2019, , 337-380.		1
828	Brittle fracture of rock. , 2019, , 1-42.		0
829	Rock friction. , 2019, , 43-96.		2
830	Mechanics of earthquakes. , 2019, , 166-227.		1
831	The seismic cycle. , 2019, , 228-277.		1
834	Mechanics of faulting. , 2019, , 97-165.		4

#	ARTICLE	IF	CITATIONS
835	A review of microscopic seepage mechanism for shale gas extracted by supercritical CO2 flooding. Fuel, 2019, 238, 412-424.	3.4	98
836	A review of mechanisms of induced earthquakes: from a view of rock mechanics. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2019, 5, 171-196.	1.3	41
837	Potential and implemented membrane-based technologies for the treatment and reuse of flowback and produced water from shale gas and oil plays: A review. Desalination, 2019, 455, 34-57.	4.0	233
838	Stress-strain response and seismic signature analysis of phyllite reservoir rocks from Blue Mountain geothermal field. Geothermics, 2019, 77, 204-223.	1.5	18
839	Ground Motion Model for Small-to-Moderate Earthquakes in Texas, Oklahoma, and Kansas. Earthquake Spectra, 2019, 35, 1-20.	1.6	29
840	Toward better hydraulic fracturing fluids and their application in energy production: A review of sustainable technologies and reduction of potential environmental impacts. Journal of Petroleum Science and Engineering, 2019, 173, 793-803.	2.1	47
841	How to Reduce Fluid-Injection-Induced Seismicity. Rock Mechanics and Rock Engineering, 2019, 52, 475-493.	2.6	97
842	Patterns of Seismicity Associated with USGS Identified Areas of Potentially Induced Seismicity. Ground Water, 2019, 57, 86-96.	0.7	4
843	Injection-induced surface deformation and seismicity at the Hellisheidi geothermal field, Iceland. Journal of Volcanology and Geothermal Research, 2020, 391, 106337.	0.8	34
844	The human impact in geomorphology " 50" years of change. Geomorphology, 2020, 366, 106601.	1.1	39
845	Utilising Principles of Earth Jurisprudence to Prevent Environmental Harm: Applying a Case Study of Unconventional Hydraulic Fracturing for Shale Gas in the United Kingdom. Critical Criminology, 2020, 28, 501-516.	0.8	7
846	Processed ground-motion records from induced earthquakes for use in engineering applications. Canadian Journal of Civil Engineering, 2020, 47, 96-108.	0.7	5
847	Evidencing the relationship between injected volume of water and maximum expected magnitude during the Puerto Gaitán (Colombia) earthquake sequence from 2013 to 2015. Geophysical Journal International, 2020, 220, 335-344.	1.0	9
848	Spatiotemporal variations of in situ V/V ratio within the Salton Sea Geothermal Field, southern California. Geothermics, 2020, 84, 101740.	1.5	9
849	Nonlinear creep damage model considering effect of pore pressure and analysis of long-term stability of rock structure. International Journal of Damage Mechanics, 2020, 29, 144-165.	2.4	25
850	Temporal patterns of induced seismicity in Oklahoma revealed from multi-station template matching. Journal of Seismology, 2020, 24, 921-935.	0.6	14
851	Design and implementation of a traffic light system for deep geothermal well stimulation in Finland. Journal of Seismology, 2020, 24, 991-1014.	0.6	32
852	Updated evaluation metrics for optimal intensity measure selection in probabilistic seismic demand models. Engineering Structures, 2020, 202, 109899.	2.6	22

#	ARTICLE	IF	CITATIONS
853	Seismic networks layout optimization for a high-resolution monitoring of induced micro-seismicity. <i>Journal of Seismology</i> , 2020, 24, 953-966.	0.6	15
854	Onset and Cause of Increased Seismic Activity Near Pecos, West Texas, United States, From Observations at the Lajitas TXAR Seismic Array. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017737.	1.4	31
855	Injection-induced seismicity: strategies for reducing risk using high stress path reservoirs and temperature-induced stress preconditioning. <i>Geophysical Journal International</i> , 2020, 220, 1436-1446.	1.0	9
856	A global review of deep geothermal energy exploration: from a view of rock mechanics and engineering. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	43
857	New insights into the mechanisms of seismicity in the Azle area, North Texas. <i>Geophysics</i> , 2020, 85, EN1-EN15.	1.4	17
858	Application of monitoring guidelines to induced seismicity in Italy. <i>Journal of Seismology</i> , 2020, 24, 1015-1028.	0.6	11
859	Removing scale-forming cations from produced waters. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 132-143.	1.2	8
860	Self-consistent stick-slip recurrent behaviour of elastoplastic faults in intraplate environment: a Lagrangian solid mechanics approach. <i>Geophysical Journal International</i> , 2020, 221, 151-162.	1.0	6
861	Effect of Fluid Viscosity on Fault Reactivation and Coseismic Weakening. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018883.	1.4	16
862	“Peaceful protesters”™ and “dangerous criminals”™: the framing and reframing of anti-fracking activists in the UK. <i>Social Movement Studies</i> , 2020, 19, 464-481.	1.8	15
863	Analysis of instability mechanisms of natural fractures during the approach of a hydraulic fracture. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106631.	2.1	4
864	Short-term failure mechanism triggered by hydraulic fracturing. <i>Energy Science and Engineering</i> , 2020, 8, 592-601.	1.9	13
865	Response of leaky aquifers to Earth tides “ Interpreted with numerical simulation. <i>Journal of Hydrology</i> , 2020, 581, 124458.	2.3	11
866	Fluid injection-induced seismicity considering secondary damage and heterogeneity in the surrounding rock. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 2635-2646.	1.6	2
867	Dynamic Stressing of Naturally Fractured Rocks: On the Relation Between Transient Changes in Permeability and Elastic Wave Velocity. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL083557.	1.5	19
868	Induced Seismicity in the Delaware Basin, Texas. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018558.	1.4	53
869	Traffic Light Detection Method for Underground CO2 Injection “Induced Seismicity. <i>International Journal of Geomechanics</i> , 2020, 20, 04019162.	1.3	3
870	Feasibility of using in situ deformation to monitor CO2 storage. <i>International Journal of Greenhouse Gas Control</i> , 2020, 93, 102853.	2.3	15



#	ARTICLE	IF	CITATIONS
871	Fragility of masonry veneers to human-induced Central U.S. earthquakes using neural network models. <i>Journal of Building Engineering</i> , 2020, 28, 101100.	1.6	14
872	Explications des pressions de fluides transitoires à longue portée engendrées par le stockage d'eaux usées de champs pétrolifères à l'aide du principe de superposition hydrogéologique. <i>Hydrogeology Journal</i> , 2020, 28, 795-803.	0.9	4
873	A Shallow Shock: The 25 February 2019 M <sub>L</sub> 4.9 Earthquake in the Weiyuan Shale Gas Field in Sichuan, China. <i>Seismological Research Letters</i> , 2020, 91, 3182-3194.	0.8	32
874	The impact of water scarcity on support for hydraulic fracturing regulation: A water-energy nexus study. <i>Energy Policy</i> , 2020, 146, 111718.	4.2	12
875	Anatomy of a buried thrust belt activated during hydraulic fracturing. <i>Tectonophysics</i> , 2020, 795, 228640.	0.9	17
876	InSAR Reveals Complex Surface Deformation Patterns Over an 80,000 km <sup>2</sup> Oil-Producing Region in the Permian Basin. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090151.	1.5	39
877	Shallow slip of blind fault associated with the 2019 M <sub>s</sub> 6.0 Changning earthquake in fold-and-thrust belt in salt mines of Southeast Sichuan, China. <i>Geophysical Journal International</i> , 2020, 224, 909-922.	1.0	15
878	Vulnerability of populations exposed to seismic risk in the state of Oklahoma. <i>Applied Geography</i> , 2020, 124, 102295.	1.7	13
879	On-site treatment capacity of membrane distillation powered by waste heat or natural gas for unconventional oil and gas wastewater in the Denver-Julesburg Basin. <i>Environment International</i> , 2020, 145, 106142.	4.8	17
880	Insights on Trigger Mechanisms of Two Large Hydraulic Fracturing-Induced Earthquakes and Sensitivity Analysis. , 2020, , .		0
881	Growing seismicity in the Sichuan Basin and its association with industrial activities. <i>Science China Earth Sciences</i> , 2020, 63, 1633-1660.	2.3	81
882	Source Parameters of Three Moderate Size Earthquakes in Weiyuan, China, and Their Relations to Shale Gas Hydraulic Fracturing. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019932.	1.4	24
883	Correlation Between Poroelastic Stress Perturbation and Multidisposal Wells Induced Earthquake Sequence in Cushing, Oklahoma. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089366.	1.5	16
884	Stress-Dependent Magnitudes of Induced Earthquakes in the Groningen Gas Field. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020013.	1.4	11
885	Extraordinary human energy consumption and resultant geological impacts beginning around 1950 CE initiated the proposed Anthropocene Epoch. <i>Communications Earth &amp; Environment</i> , 2020, 1, .	2.6	101
886	CO <sub>2</sub> induced changes in Mount Simon sandstone: Understanding links to post CO <sub>2</sub> injection monitoring, seismicity, and reservoir integrity. <i>International Journal of Greenhouse Gas Control</i> , 2020, 100, 103109.	2.3	11
887	WellExplorer: an integrative resource linking hydraulic fracturing chemicals with hormonal pathways and geographic location. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	1.4	0
888	Complex Shear-Wave Anisotropy from Induced Earthquakes in West Texas. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2242-2251.	1.1	6

#	ARTICLE	IF	CITATIONS
889	Development of Shale Gas in China and Treatment Options for Wastewater Produced from the Exploitation: Sustainability Lessons from the United States. <i>Journal of Environmental Engineering</i> , ASCE, 2020, 146, .	0.7	13
890	Short-Term Probabilistic Hazard Assessment in Regions of Induced Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2441-2453.	1.1	7
891	A Long-Lived Swarm of Hydraulic Fracturing-Induced Seismicity Provides Evidence for Aseismic Slip. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2205-2215.	1.1	31
892	High-Resolution Imaging of Hydraulic-Fracturing-Induced Earthquake Clusters in the Dawson-Septimus Area, Northeast British Columbia, Canada. <i>Seismological Research Letters</i> , 2020, 91, 2744-2756.	0.8	20
893	Prediction of rotational ground motion for mining-induced seismicity – Case study from Upper Silesian Coal Basin, Poland. <i>Engineering Geology</i> , 2020, 276, 105767.	2.9	19
894	A Public Health Frame for Fracking? Predicting Public Support for Hydraulic Fracturing. <i>Sociological Quarterly</i> , 0, , 1-25.	0.8	5
895	Condition of Occurrence of Large Man-Made Earthquakes in the Zone of Oil Production, Oklahoma. <i>Izvestiya, Physics of the Solid Earth</i> , 2020, 56, 911-919.	0.2	5
896	Statistical Modeling and Characterization of Induced Seismicity Within the Western Canada Sedimentary Basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020606.	1.4	12
897	4D Travel-Time Tomography as a Tool for Tracking Fluid-Driven Medium Changes in Offshore Oil – Gas Exploitation Areas. <i>Energies</i> , 2020, 13, 5878.	1.6	7
898	In Situ Direct Displacement Information on Fault Reactivation During Fluid Injection. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 4313-4328.	2.6	9
899	Earthquakes Induced by Wastewater Injection, Part I: Model Development and Hindcasting. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2466-2482.	1.1	9
900	Coupled Fluid Flow and Geomechanical Modeling of Seismicity in the Azle Area (North Texas). <i>SPE Reservoir Evaluation and Engineering</i> , 2020, 23, 1006-1018.	1.1	4
901	Injection-driven fracture instability in granite: Mechanism and implications. <i>Tectonophysics</i> , 2020, 791, 228572.	0.9	46
902	Factors Influencing the Probability of Hydraulic Fracturing-Induced Seismicity in Oklahoma. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2272-2282.	1.1	22
903	Optimally Oriented Remote Triggering in the Coso Geothermal Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019131.	1.4	14
904	Friction of Longmaxi Shale Gouges and Implications for Seismicity During Hydraulic Fracturing. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019885.	1.4	33
905	Activation of optimally and unfavourably oriented faults in a uniform local stress field during the 2011 Prague, Oklahoma, sequence. <i>Geophysical Journal International</i> , 2020, 222, 153-168.	1.0	18
906	Hydraulic Transport Through Calcite Bearing Faults With Customized Roughness: Effects of Normal and Shear Loading. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019767.	1.4	17

#	ARTICLE	IF	CITATIONS
907	Well Proximity Governing Stress Drop Variation and Seismic Attenuation Associated With Hydraulic Fracturing Induced Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020103.	1.4	23
908	A new perspective on the hydraulics of oilfield wastewater disposal: how PTX conditions affect fluid pressure transients that cause earthquakes. <i>Energy and Environmental Science</i> , 2020, 13, 3014-3031.	15.6	8
909	Aquifer deformation and active faulting in Salt Lake Valley, Utah, USA. <i>Earth and Planetary Science Letters</i> , 2020, 547, 116471.	1.8	20
910	Exploring Physical Links between Fluid Injection and Nearby Earthquakes: The 2012 Mw4.8 Timpson, Texas, Case Study. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2350-2365.	1.1	4
911	Hydromechanical Controls on the Spatiotemporal Patterns of Injection-Induced Seismicity in Different Fault Architecture: Implication for 2013-2014 Azle Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020402.	1.4	10
912	Temperature and Fluid Pressurization Effects on Frictional Stability of Shale Faults Reactivated by Hydraulic Fracturing in the Changning Block, Southwest China. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019584.	1.4	16
913	Application of focal-time analysis for improved induced seismicity depth control: A case study from the Montney Formation, British Columbia, Canada. <i>Geophysics</i> , 2020, 85, KS185-KS196.	1.4	3
914	The Neglected Role of Risk Mitigation Perception in the Risk Governance of Underground Technologies—The Example of Induced Seismicity. <i>International Journal of Disaster Risk Science</i> , 2020, 11, 630-639.	1.3	3
915	Injection-Induced Seismic Moment Release and Laboratory Fault Slip: Implications for Fluid-Induced Seismicity. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089576.	1.5	27
916	The influence of CO <sub>2</sub> -transformed iron oxide grain coatings on the frictional stability and transport properties of simulated faults in sandstones. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	0
917	Effect of Pressure Rate on Rate and State Frictional Slip. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089426.	1.5	8
918	Fault valving and pore pressure evolution in simulations of earthquake sequences and aseismic slip. <i>Nature Communications</i> , 2020, 11, 4833.	5.8	56
919	Coincident locations of rupture nucleation during the 2019 Le Teil earthquake, France and maximum stress change from local cement quarrying. <i>Communications Earth &amp; Environment</i> , 2020, 1, .	2.6	12
920	Attribute-assisted characterization of basement faulting and the associated sedimentary sequence deformation in north-central Oklahoma. <i>Interpretation</i> , 2020, 8, SP175-SP189.	0.5	3
921	Understanding Vectorial Migration Patterns of Wastewater-Induced Earthquakes in the United States. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2295-2307.	1.1	2
922	Seismic Stereometry Reveals Preparatory Behavior and Source Kinematics of Intermediate-Size Earthquakes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088563.	1.5	10
923	Shallow Faults Reactivated by Hydraulic Fracturing: The 2019 Weiyuan Earthquake Sequences in Sichuan, China. <i>Seismological Research Letters</i> , 2020, 91, 3171-3181.	0.8	21
924	Resource Depletion. , 2020, , 1-26.		0

#	ARTICLE	IF	CITATIONS
925	Seismicity induced by massive wastewater injection near Puerto Gaitán, Colombia. <i>Geophysical Journal International</i> , 2020, 223, 777-791.	1.0	5
926	Induced Seismicity in the Delaware Basin, West Texas, is Caused by Hydraulic Fracturing and Wastewater Disposal. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2225-2241.	1.1	40
927	A review of the research into the relations between hazards in multi-hazard risk analysis. <i>Natural Hazards</i> , 2020, 104, 2003-2026.	1.6	52
928	Application of Waveform Stacking Methods for Seismic Location at Multiple Scales. <i>Energies</i> , 2020, 13, 4729.	1.6	3
929	Earthquakes Induced by Wastewater Injection, Part II: Statistical Evaluation of Causal Factors and Seismicity Rate Forecasting. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2483-2497.	1.1	8
930	Phase-field modeling of geologic fracture incorporating pressure-dependence and frictional contact. <i>E3S Web of Conferences</i> , 2020, 205, 03004.	0.2	0
931	Why Mohr-circle analyses may underestimate the risk of fault reactivation in depleting reservoirs. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 136, 104502.	2.6	8
932	Reservoir Geomechanical Modeling during CO <sub>2</sub> Injection into Deep Qasim Reservoir: A Study Focused on Mitigating Climate Change. , 2020, , .		2
933	Geomechanical Constraints on Hydro-Seismicity: Tidal Forcing and Reservoir Operation. <i>Water (Switzerland)</i> , 2020, 12, 2724.	1.2	4
934	Study on Permeability Characteristics of Rocks with Filling Fractures Under Coupled Stress and Seepage Fields. <i>Water (Switzerland)</i> , 2020, 12, 2782.	1.2	5
935	Seismic Magnitudes, Corner Frequencies, and Microseismicity: Using Ambient Noise to Correct for High-Frequency Attenuation. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1260-1275.	1.1	15
936	Extended-exergy based energy return on investment method and its application to shale gas extraction in China. <i>Journal of Cleaner Production</i> , 2020, 260, 120933.	4.6	16
937	Influence of reservoir geology on seismic response during decameter-scale hydraulic stimulations in crystalline rock. <i>Solid Earth</i> , 2020, 11, 627-655.	1.2	33
938	Patch-Based Multiscale Algorithm for Flow and Reactive Transport in Fracture-Microcrack Systems in Shales. <i>Water Resources Research</i> , 2020, 56, e2019WR025960.	1.7	7
939	Stress Perturbation From Aseismic Slip Drives the Seismic Front During Fluid Injection in a Permeable Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019179.	1.4	43
940	Natural Seismicity in and around the Rome Trough, Eastern Kentucky, from a Temporary Seismic Network. <i>Seismological Research Letters</i> , 2020, 91, 1831-1845.	0.8	4
941	Nonstationary Background Seismicity Rate and Evolution of Stress Changes in the Changning Salt Mining and Shale-Gas Hydraulic Fracturing Region, Sichuan Basin, China. <i>Seismological Research Letters</i> , 2020, 91, 2170-2181.	0.8	19
942	Analysis of the relationship between water level temporal changes and seismicity in the Mingchevir reservoir (Azerbaijan). <i>Journal of Seismology</i> , 2020, 24, 937-952.	0.6	7

#	ARTICLE	IF	CITATIONS
943	Real-time Earthquake Location Based on the Kalman Filter Formulation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086240.	1.5	2
944	Developments in understanding seismicity triggered by hydraulic fracturing. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 264-277.	12.2	123
945	Low-cost high-efficiency solar membrane distillation for treatment of oil produced waters. <i>Separation and Purification Technology</i> , 2020, 250, 117170.	3.9	24
946	Activation Rate of Seismicity for Hydraulic Fracture Wells in the Western Canada Sedimentary Basin. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2252-2271.	1.1	36
947	Optimal design of microseismic monitoring network: Synthetic study for the Kimberlina CO2 storage demonstration site. <i>International Journal of Greenhouse Gas Control</i> , 2020, 95, 102981.	2.3	10
948	Numerical analysis of different fracturing mechanisms between supercritical CO2 and water-based fracturing fluids. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 132, 104385.	2.6	23
949	Causal mechanism of injection-induced earthquakes through the Mw 5.5 Pohang earthquake case study. <i>Nature Communications</i> , 2020, 11, 2614.	5.8	48
950	Hydraulic fracturing operation for oil and gas production and associated earthquake activities across the USA. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	7
951	A geostatistical analysis of seismicity in Oklahoma using regression trees and neural networks. <i>Physical Geography</i> , 2021, 42, 334-350.	0.6	4
952	Waveform Characteristics of Earthquakes Induced by Hydraulic Fracturing and Mining Activities: Comparison with Those of Natural Earthquakes. <i>Natural Resources Research</i> , 2020, 29, 3653-3674.	2.2	15
953	Recycling flowback water for hydraulic fracturing in Sichuan Basin, China: Implications for gas production, water footprint, and water quality of regenerated flowback water. <i>Fuel</i> , 2020, 272, 117621.	3.4	51
954	Minimal Clustering of Injection-Induced Earthquakes Observed with a Large-n Seismic Array. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2005-2017.	1.1	18
955	Injection-Induced Seismic Risk Management Using Machine Learning Methodology – A Perspective Study. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	14
956	Are Aftershock Sequences Pertinent to Long-term Seismic Hazard Assessments? Insights From the Temporal ETAS Model. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019095.	1.4	5
957	Hydraulic Fracturing-Induced Seismicity. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000695.	9.0	202
958	A method to experimentally investigate injection-induced activation of fractures. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 1326-1332.	3.7	7
959	Effect of Fluid Viscosity on Earthquake Nucleation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087854.	1.5	10
960	Injection-induced slip heterogeneity on faults in shale reservoirs. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 131, 104363.	2.6	19

#	ARTICLE	IF	CITATIONS
961	Potential for Reclamation of Abandoned Gas Wells to Restore Ecosystem Services in the Fayetteville Shale of Arkansas. <i>Environmental Management</i> , 2020, 66, 180-190.	1.2	13
962	Thermal management associated with geologic disposal of large spent nuclear fuel canisters in tunnels with thermally engineered backfill. <i>Tunnelling and Underground Space Technology</i> , 2020, 102, 103454.	3.0	36
963	Risk-Informed Recommendations for Managing Hydraulic Fracturing-Induced Seismicity via Traffic Light Protocols. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2411-2422.	1.1	28
964	The Oklahoma Geological Survey Statewide Seismic Network. <i>Seismological Research Letters</i> , 2020, 91, 611-621.	0.8	31
965	High Injection Rates Counteract Formation of Far-Reaching Fluid Migration Pathways at The Geysers Geothermal Field. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086212.	1.5	4
966	Fracture Propagation and Morphology Due to Non-Aqueous Fracturing: Competing Roles between Fluid Characteristics and In Situ Stress State. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 428.	0.8	6
967	Induced seismicity risk analysis of the hydraulic stimulation of a geothermal well on Geldinganes, Iceland. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 1573-1593.	1.5	23
968	Preparation zones for large crustal earthquakes consequent on fault-valve action. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	56
969	Perceived Stakeholder Information Credibility and Hazard Adjustments: A Case of Induced Seismic Activities in Oklahoma. <i>Natural Hazards Review</i> , 2020, 21, .	0.8	12
970	Fracture penetration and proppant transport in gas- and foam-fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 77, 103269.	2.1	24
971	Reusing oil and gas produced water for agricultural irrigation: Effects on soil health and the soil microbiome. <i>Science of the Total Environment</i> , 2020, 722, 137888.	3.9	41
972	The role of water lubrication in critical state fault slip. <i>Engineering Geology</i> , 2020, 271, 105606.	2.9	20
973	Depth-Scanning Algorithm: Accurate, Automatic, and Efficient Determination of Focal Depths for Local and Regional Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019430.	1.4	7
974	Frictional properties of simulated shale-coal fault gouges: Implications for induced seismicity in source rocks below Europe's largest gas field. <i>International Journal of Coal Geology</i> , 2020, 226, 103499.	1.9	2
975	A Study on the Largest Hydraulic-Fracturing-Induced Earthquake in Canada: Observations and Static Stress-Drop Estimation. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2283-2294.	1.1	30
976	Epistemic Uncertainties in Local Earthquake Locations and Implications for Managing Induced Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 2423-2440.	1.1	10
977	A conventional straddle-sliding-packer system as a borehole extensometer: Monitoring shear displacement of a fault during an injection test. <i>Engineering Geology</i> , 2020, 275, 105748.	2.9	11
978	Stress Chatter via Fluid Flow and Fault Slip in a Hydraulic Fracturing-Induced Earthquake Sequence in the Montney Formation, British Columbia. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087254.	1.5	44

#	ARTICLE	IF	CITATIONS
979	Soil fatigue hazard screening analyses framework for spacio-temporally clustered induced seismicity with examples of damage potential due to liquefaction. SN Applied Sciences, 2020, 2, 1.	1.5	4
980	Special Issue on Injection Induced Seismicity. Geomechanics for Energy and the Environment, 2020, 24, 100200.	1.2	0
981	Dual-Driven Fault Failure in the Lower Seismogenic Zone. Bulletin of the Seismological Society of America, 2020, 110, 850-862.	1.1	15
982	Environmental and Economic Water Management in Shale Gas Extraction. Sustainability, 2020, 12, 1686.	1.6	17
983	Microseismic assessment and fault characterization at the Sulcis (South-Western Sardinia) field laboratory. International Journal of Greenhouse Gas Control, 2020, 95, 102974.	2.3	3
984	Elevated Seismic Hazard in Kansas Due to High-Volume Injections in Oklahoma. Geophysical Research Letters, 2020, 47, e2019GL085705.	1.5	13
985	Seismic Moment Evolution During Hydraulic Stimulations. Geophysical Research Letters, 2020, 47, e2019GL086185.	1.5	27
986	Geodetic Measurements and Numerical Models of Deformation at Coso Geothermal Field, California, USA, 2004-2016. Remote Sensing, 2020, 12, 225.	1.8	6
987	Normalized Radiated Seismic Energy From Laboratory Fracture Experiments on Opalinus Clayshale and Barre Granite. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018544.	1.4	9
988	Evaluating Liquefaction Triggering Potential at Sites Impacted by the 2016 Mw 5.8 Pawnee, Oklahoma, Induced Earthquake. , 2020, , .		0
989	Operational and geological controls of coupled poroelastic stressing and pore-pressure accumulation along faults: Induced earthquakes in Pohang, South Korea. Scientific Reports, 2020, 10, 2073.	1.6	28
990	Experimental investigation of the influence of pulsating hydraulic fracturing on pre-existing fractures propagation in coal. Journal of Petroleum Science and Engineering, 2020, 189, 107040.	2.1	36
991	Locating induced earthquakes with a network of seismic stations in Oklahoma via a deep learning method. Scientific Reports, 2020, 10, 1941.	1.6	63
992	Analysis of the Abutment Movements of High Arch Dams due to Reservoir Impoundment. Rock Mechanics and Rock Engineering, 2020, 53, 2313-2326.	2.6	10
993	Earthquake Declustering Using the Nearest-Neighbor Approach in Space-Time-Magnitude Domain. Journal of Geophysical Research: Solid Earth, 2020, 125, e2018JB017120.	1.4	49
994	Mechanical strength and physical properties of Oklahoma's igneous basement. Tectonophysics, 2020, 777, 228336.	0.9	3
995	Clustering characteristics of gas-extraction induced seismicity in the Groningen gas field. Geophysical Journal International, 2020, 221, 879-892.	1.0	12
997	Fit-for-purpose treatment goals for produced waters in shale oil and gas fields. Water Research, 2020, 173, 115467.	5.3	71

#	ARTICLE	IF	CITATIONS
998	Hydromechanical Modeling of Fault Reactivation in the St. Gallen Deep Geothermal Project (Switzerland): Poroelasticity or Hydraulic Connection?. Geophysical Research Letters, 2020, 47, e2019GL085201.	1.5	15
999	Nanoscale detection of metastable states in porous and granular media. Journal of Applied Physics, 2020, 127, 024901.	1.1	4
1000	Hydraulic Fracturing Induced Seismicity in the Southern Sichuan Basin Due to Fluid Diffusion Inferred From Seismic and Injection Data Analysis. Geophysical Research Letters, 2020, 47, e2019GL084885.	1.5	54
1001	Precise Relative Magnitude and Relative Location Estimates of Low-Yield Industrial Blasts in Pennsylvania. Bulletin of the Seismological Society of America, 2020, 110, 226-240.	1.1	5
1002	Value at Induced Risk: Injection-Induced Seismic Risk From Low-Probability, High-Impact Events. Geophysical Research Letters, 2020, 47, e2019GL085878.	1.5	29
1003	Conceptualization and evaluation of the exploration and utilization of low/medium-temperature geothermal energy: a case study of the Guangdong-Hong Kong-Macao Greater Bay Area. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2020, 6, 1.	1.3	24
1004	Poroelastic models for fault reactivation in response to concurrent injection and production in stacked reservoirs. Geomechanics for Energy and the Environment, 2020, 24, 100181.	1.2	33
1005	Complexity of Fault Rupture and Fluid Leakage in Shale: Insights From a Controlled Fault Activation Experiment. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017781.	1.4	30
1006	Evolution of propped fractures in shales: The microscale controlling factors as revealed by in situ X-Ray microtomography. Journal of Petroleum Science and Engineering, 2020, 188, 106861.	2.1	14
1007	The 2019 Mw 5.7 Changning Earthquake, Sichuan Basin, China: A Shallow Doublet With Different Faulting Styles. Geophysical Research Letters, 2020, 47, e2019GL085408.	1.5	43
1008	A Comparison of Gas and Water Permeability in Clay-Bearing Fault and Reservoir Rocks: Experimental Results and Evolution Mechanisms. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018278.	1.4	8
1009	Impact of pulsation frequency and pressure amplitude on the evolution of coal pore structures during gas fracturing. Fuel, 2020, 268, 117324.	3.4	5
1010	Three-dimensional distinct element modeling of fault reactivation and induced seismicity due to hydraulic fracturing injection and backflow. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 752-767.	3.7	28
1011	Topological Properties of Epidemic Aftershock Processes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018530.	1.4	5
1012	Credible Sources of Information Regarding Induced Seismicity. Sustainability, 2020, 12, 2308.	1.6	7
1013	Effect of fluid pressure heterogeneity on injection-induced fracture activation. Computers and Geotechnics, 2020, 123, 103589.	2.3	46
1014	Sulfate precipitation in produced water from Marcellus Shale for the control of naturally occurring radioactive material. Water Research, 2020, 177, 115765.	5.3	11
1015	Effects of Earthquakes on Flood Hazards: A Case Study From Christchurch, New Zealand. Geosciences (Switzerland), 2020, 10, 114.	1.0	12



#	ARTICLE	IF	CITATIONS
1016	Subsidence associated with oil extraction, measured from time series analysis of Sentinel-1 data: case study of the Patos-Marinza oil field, Albania. <i>Solid Earth</i> , 2020, 11, 363-378.	1.2	13
1017	Noise-based ballistic wave passive seismic monitoring. Part 1: body waves. <i>Geophysical Journal International</i> , 2020, 221, 683-691.	1.0	23
1018	Understanding injection-induced seismicity in enhanced geothermal systems: From the coupled thermo-hydro-mechanical-chemical process to anthropogenic earthquake prediction. <i>Earth-Science Reviews</i> , 2020, 205, 103182.	4.0	74
1019	Surface Deformation and Induced Seismicity Due to Fluid Injection and Oil and Gas Extraction in Western Texas. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018962.	1.4	26
1020	Quantifying the uncertainties in a fault stability analysis of the Val d'Agri oilfield. <i>GEM - International Journal on Geomathematics</i> , 2020, 11, 1.	0.7	0
1021	Changes in Pore Structure of Dry-hot Rock with Supercritical CO <sub>2</sub> Treatment. <i>Energy &amp; Fuels</i> , 2020, 34, 6059-6068.	2.5	18
1022	Effect of Subsurface Microseisms on the Motion of Dispersed Droplets in Pores. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018783.	1.4	2
1023	The 2017 Mw 5.5 Pohang Earthquake, South Korea, and Poroelastic Stress Changes Associated With Fluid Injection. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019134.	1.4	26
1024	Seismic asperity size evolution during fluid injection: case study of the 1993 Soultz-sous-Forets injection. <i>Geophysical Journal International</i> , 2020, 221, 968-980.	1.0	22
1025	Parametric analysis of the elastohydrodynamic lubrication efficiency on induced seismicity. <i>Geophysical Journal International</i> , 2020, 222, 517-525.	1.0	4
1026	Empirical and Synthetic Approaches to the Calibration of the Local Magnitude Scale, ML, in Southern Kansas. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 689-697.	1.1	7
1027	Dynamics and tipping point of issue attention in newspapers: quantitative and qualitative content analysis at sentence level in a longitudinal study using supervised machine learning and big data. <i>Quality and Quantity</i> , 2021, 55, 19-37.	2.0	2
1028	Induced earthquake damage assessment methodology for potential hydraulic fracturing sites: Application to Manaus, Brazil. <i>Earthquake Spectra</i> , 2021, 37, 180-203.	1.6	5
1029	A review of the microseismic focal mechanism research. <i>Science China Earth Sciences</i> , 2021, 64, 351-363.	2.3	15
1030	Wellbore breakout analysis and the maximum horizontal stress determination using the thermo-poroelasticity model. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107674.	2.1	8
1031	In situ fluidized mining and conversion solution to alleviate geological damage and greenhouse gas emissions due to coal exploitation: A numerical analysis and evaluation. <i>Energy Science and Engineering</i> , 2021, 9, 40-57.	1.9	8
1032	Modeling the Spatiotemporal Seismicity Patterns of the Longmen Shan Fault Zone Based on the Coulomb Rate and State Model. <i>Seismological Research Letters</i> , 2021, 92, 275-286.	0.8	4
1033	More Than 40 yr of Potentially Induced Seismicity Close to the San Andreas Fault in San Ardo, Central California. <i>Seismological Research Letters</i> , 2021, 92, 187-198.	0.8	5

#	ARTICLE	IF	CITATIONS
1034	Numerical Simulation of An In-situ Fluid Injection Experiment into a Fault Using Coupled X-FEM Analysis. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 1027-1053.	2.6	3
1035	Evaluation of Borehole Hydraulic Fracturing in Coal Seam Using the Microseismic Monitoring Method. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 607-625.	2.6	29
1036	Spatial Analysis of Membrane Distillation Powered by Waste Heat from Natural Gas Compressor Stations for Unconventional Oil and Gas Wastewater Treatment in Weld County, Colorado. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 192-203.	3.7	4
1037	HydroQuakes, central Apennines, Italy: Towards a hydrogeochemical monitoring network for seismic precursors and the hydro-seismo-sensitivity of boron. <i>Journal of Hydrology</i> , 2021, 598, 125754.	2.3	13
1038	Dual Seismic Migration Velocities in Seismic Swarms. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	20
1039	Analytical Solution to Assess the Induced Seismicity Potential of Faults in Pressurized and Depleted Reservoirs. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020436.	1.4	14
1040	Shallow Shear-Wave Velocity Structure in Oklahoma Based on the Joint Inversion of Ambient Noise Dispersion and Teleseismic $P$ -Wave Receiver Functions. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 654-670.	1.1	3
1041	Fracture Caging to Limit Induced Seismicity. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	9
1042	A Systematic Approach to Mapping Regimes of Earthquake-Induced Static Stress Changes Acting on Magmatic Pathways. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	1
1043	Quantitative assessment of seismic risk in hydraulic fracturing areas based on rough set and Bayesian network: A case analysis of Changning shale gas development block in Yibin City, Sichuan Province, China. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108226.	2.1	8
1044	A proposed classification of the Earth's crustal areas by the level of geodynamic threat. <i>Geodesy and Geodynamics</i> , 2021, 12, 21-30.	1.0	7
1045	Mechanism and numerical simulation of a new device of bypass cementing device for controlling casing shear deformation induced by fault slipping. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107820.	2.1	8
1046	On the effective stress coefficient of single rough rock fractures. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 137, 104556.	2.6	15
1047	Slip Tendency Analysis, Fault Reactivation Potential and Induced Seismicity in the Val d'Agri Oilfield (Italy). <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	11
1048	Analysis of Local Seismic Events near a Large-N Array for Moho Reflections. <i>Seismological Research Letters</i> , 2021, 92, 408-420.	0.8	1
1049	Self-Regenerating Hybrid Anion Exchange Process for Removing Radium, Barium, and Strontium from Marcellus-Produced Wastewater Using Only Acid Mine Drainage. <i>ACS ES&amp;T Water</i> , 2021, 1, 195-204.	2.3	2
1050	The engineering of safe hydraulic stimulations for EGS development in hot crystalline rock masses. <i>Geomechanics for Energy and the Environment</i> , 2021, 26, 100151.	1.2	13
1051	David vs. Goliath? Leveraging citizen science in Israel's energy debates. <i>Energy Research and Social Science</i> , 2021, 71, 101797.	3.0	4

#	ARTICLE	IF	CITATIONS
1053	Geochemical controls on CO <sub>2</sub> interactions with deep subsurface shales: implications for geologic carbon sequestration. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1278-1300.	1.7	16
1054	Earthquakes in the Himalaya. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 262-274.	0.1	0
1055	Earthquakes Influenced by Water. <i>Lecture Notes in Earth System Sciences</i> , 2021, , 61-82.	0.5	3
1056	Response to Tides, Barometric Pressure and Seismic Waves. <i>Lecture Notes in Earth System Sciences</i> , 2021, , 83-153.	0.5	2
1057	Regional Seismotectonic Zonation of Hydrocarbon Fields in Active Thrust Belts: A Case Study from Italy. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2021, , 89-128.	0.1	11
1059	Forecasting of Induced Seismicity Rates from Hydraulic Fracturing Activities Using Physics-Based Models for Probabilistic Seismic Hazard Analysis: A Case Study. <i>Pure and Applied Geophysics</i> , 2021, 178, 359-378.	0.8	4
1060	Research status of earthquake forecasting in hydraulic-fracturing induced earthquakes. <i>Earthquake Science</i> , 2021, 34, 286-298.	0.4	1
1061	Resource Depletion. , 2021, , 1105-1130.		0
1062	Effect of salinity on the kinetics of pyrite dissolution in oxygenated fluids at 60°C and implications for hydraulic fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 86, 103722.	2.1	2
1063	Numerical modeling of two-phase flow in deformable porous media: application to CO <sub>2</sub> injection analysis in the Otway Basin, Australia. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	0
1064	The 2019 Mw 5.8 Changning, China earthquake: A cascade rupture of fold-accommodation faults induced by fluid injection. <i>Tectonophysics</i> , 2021, 801, 228721.	0.9	12
1065	A Study on the Largest Hydraulic Fracturing Induced Earthquake in Canada: Numerical Modeling and Triggering Mechanism. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 1392-1404.	1.1	20
1066	Insights on Controlling Factors of Hydraulically Induced Seismicity in the Duvernay East Shale Basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009563.	1.0	9
1067	Potential Link Between 2020 Mentone, West Texas M5 Earthquake and Nearby Wastewater Injection: Implications for Aquifer Mechanical Properties. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090551.	1.5	13
1068	Combined Effects of Thermal Perturbation and In-situ Stress on Heat Transfer in Fractured Geothermal Reservoirs. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 2165-2181.	2.6	27
1069	Time-dependent seismic hazard and risk due to wastewater injection in Oklahoma. <i>Earthquake Spectra</i> , 2021, 37, 2084-2106.	1.6	7
1070	Forecasting Induced Earthquake Hazard Using a Hydromechanical Earthquake Nucleation Model. <i>Seismological Research Letters</i> , 2021, 92, 2206-2220.	0.8	4
1071	Absorbent Porous Paper Reveals How Earthquakes Could be Mitigated. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090792.	1.5	4

#	ARTICLE	IF	CITATIONS
1073	The effect of fluid pressure on frictional stability transition from velocity strengthening to velocity weakening and critical slip distance evolution in shale reservoirs. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	5
1074	Acoustic Emission Source Location Monitoring of Laboratory-Scale Hydraulic Fracturing of Coal Under True Triaxial Stress. <i>Natural Resources Research</i> , 2021, 30, 2297-2315.	2.2	18
1075	Dimensional changes in geological sandstone caused by wetting. <i>Physics Education</i> , 2021, 56, 034001.	0.3	0
1076	Seasonal hydrological loading from GPS observed data across contiguous USA using integrated R and Hadoop-GIS framework. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	2
1077	Data analytics to investigate the cohort of injection wells with earthquakes in Oklahoma. <i>Earthquake Spectra</i> , 2021, 37, 1652-1672.	1.6	1
1078	Can artesian groundwater and earthquake-induced aquifer leakage exacerbate the manifestation of liquefaction?. <i>Engineering Geology</i> , 2021, 281, 105982.	2.9	13
1079	Modelling fluid injection-induced fracture activation, damage growth, seismicity occurrence and connectivity change in naturally fractured rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 138, 104598.	2.6	51
1080	Runaway Versus Stable Fracturing During Hydraulic Stimulation: Insights from the Damage Rheology Modeling. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 5449-5464.	2.6	4
1081	Seismic swarms produced by rapid fluid injection into a low permeability laboratory fault. <i>Earth and Planetary Science Letters</i> , 2021, 557, 116726.	1.8	17
1082	Stress Drop, Seismogenic Index and Fault Cohesion of Fluid-Induced Earthquakes. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 5483-5492.	2.6	9
1083	Isolation and characterization of a halophilic <i>Modicisalibacter</i> sp. strain Wilcox from produced water. <i>Scientific Reports</i> , 2021, 11, 6943.	1.6	6
1084	Energy and CO <sub>2</sub> Emissions Penalty Ranges for Geologic Carbon Storage Brine Management. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4305-4313.	4.6	5
1085	Stress-Drop Estimates for Induced Seismic Events in the Fort Worth Basin, Texas. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	1
1086	Chemo-Mechanical Coupling in Fractured Shale With Water and Hydrocarbon Flow. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091357.	1.5	6
1087	Local-Distance Seismic Event Relocation and Relative Magnitude Estimation, Applications to Mining Related Seismicity in the Powder River Basin, Wyoming. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 1347-1364.	1.1	7
1088	Thermo-Hydro-Mechanical Model and Caprock Deformation Explain the Onset of an Ongoing Seismo-Volcanic Unrest. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020449.	1.4	8
1089	Seismicity during and after stimulation of a 6.1-km deep enhanced geothermal system in Helsinki, Finland. <i>Solid Earth</i> , 2021, 12, 581-594.	1.2	15
1090	Fluid Overpressurization of Rock Fractures: Experimental Investigation and Analytical Modeling. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3039-3050.	2.6	17

#	ARTICLE	IF	CITATIONS
1091	A tool for first order estimates and optimisation of dynamic storage resource capacity in saline aquifers. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103258.	2.3	17
1092	Unprecedented quiescence in resource development area allows detection of long-lived latent seismicity. <i>Solid Earth</i> , 2021, 12, 765-783.	1.2	10
1093	Centroid Moment Tensor of the 2019 MW 5.7 Changning Earthquake Refined Using 3D Greenâ€™s Functions Considering Surface Topography. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	7
1094	Largeâ€™scale Fracture Systems Are Permeable Pathways for Fault Activation During Hydraulic Fracturing. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020311.	1.4	40
1095	Relaxation damage control via fatigue-hydraulic fracturing in granitic rock as inferred from laboratory-, mine-, and field-scale experiments. <i>Scientific Reports</i> , 2021, 11, 6780.	1.6	18
1096	Cyclic Water Injection Potentially Mitigates Seismic Risks by Promoting Slow and Stable Slip of a Natural Fracture in Granite. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 5389-5405.	2.6	31
1098	Seismic fragility analysis using nonlinear autoregressive neural networks with exogenous input. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 1251-1265.	2.0	8
1099	Constraining maximum event magnitude during injection-triggered seismicity. <i>Nature Communications</i> , 2021, 12, 1528.	5.8	20
1100	Poroelasticity Contributes to Hydraulicâ€™stimulation Induced Pressure Changes. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091468.	1.5	1
1101	Source Spectral Properties of Earthquakes in the Delaware Basin of West Texas. <i>Seismological Research Letters</i> , 2021, 92, 2477-2489.	0.8	10
1102	How Do Statistical Parameters of Induced Seismicity Correlate with Fluid Injection? Case of Oklahoma. <i>Seismological Research Letters</i> , 2021, 92, 2573-2590.	0.8	0
1103	Physicsâ€™Based Evaluation of the Maximum Magnitude of Potential Earthquakes Induced by the Hutubi (China) Underground Gas Storage. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021379.	1.4	9
1104	Small Local Earthquake Detection Using Low-Cost MEMS Accelerometers: Examples in Northern and Central Italy. <i>The Seismic Record</i> , 2021, 1, 20-26.	1.3	11
1105	Bridge the Gap Between Laboratory Scale to Natural Scale Using Near Fault Observations. <i>Zisin (Journal of the Seismological Society of Japan 2nd Ser )</i> , 2021, 74, 67-75.	0.0	0
1106	Spatiotemporal Analysis of Seismotectonic State of Injectionâ€™Induced Seismicity Clusters in the Western Canada Sedimentary Basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021362.	1.4	4
1107	Shear-Wave Velocity Site Characterization in Oklahoma from Joint Inversion of Multimethod Surface Seismic Measurements: Implications for Central U.S. Ground-Motion Prediction. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	4
1108	Spatially Distinct Tectonic Zones across Oklahoma Inferred from Shear-Wave Splitting. <i>Seismological Research Letters</i> , 2021, 92, 2551-2561.	0.8	1
1109	Seismic illumination of small-throw seismogenic faults, Anadarko Basin, Oklahoma. <i>Interpretation</i> , 2021, 9, SE35-SE51.	0.5	2

#	ARTICLE	IF	CITATIONS
1110	Modelling Rock Fracture Induced By Hydraulic Pulses. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3977-3994.	2.6	25
1111	Design and application of hydro-mechanical coupling test system for simulating rock masses in high dam reservoir operations. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 140, 104638.	2.6	8
1112	A risk-based approach for managing hydraulic fracturingâ€“induced seismicity. <i>Science</i> , 2021, 372, 504-507.	6.0	24
1113	Sensitivity of the Seismic Moment Released During Fluid Injection to Fault Hydromechanical Properties and Background Stress. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
1115	Injectionâ€“induced Seismicity Size Distribution Dependent on Shear Stress. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090934.	1.5	6
1116	Human-induced or natural hazard? Factors influencing perceptions of actions to be taken in response to induced seismicity. <i>International Journal of Disaster Risk Reduction</i> , 2021, 57, 102186.	1.8	4
1117	Mitigating Injectionâ€“induced Seismicity Along Basement Faults by Extraction: Application to 2016â€“2018 Pohang Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021486.	1.4	8
1118	Chronic disaster impact: the long-term psychological and physical health consequences of housing damage due to induced earthquakes. <i>BMJ Open</i> , 2021, 11, e040710.	0.8	8
1119	Probabilistic Forecasting of Hydraulic Fracturing-Induced Seismicity Using an Injection-Rate Driven ETAS Model. <i>Seismological Research Letters</i> , 2021, 92, 3471-3481.	0.8	10
1120	Numerical analysis of injection-induced fault reactivation using hydro-mechanical coupled finite element model with cohesive zone elements. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	3
1121	An Alternative Approach for Constraining 3Dâ€“Displacements With InSAR, Applied to a Faultâ€“Bounded Groundwater Entrainment Field in California. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021137.	1.4	6
1122	Groundwater extraction-induced seismicity around Delhi region, India. <i>Scientific Reports</i> , 2021, 11, 10097.	1.6	20
1123	Public perception of geothermal power plants in Korea following the Pohang earthquake: A social representation theory study. <i>Public Understanding of Science</i> , 2021, 30, 724-739.	1.6	13
1124	Seismic Diffusivity and the Influence of Heterogeneity on Injectionâ€“induced Seismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021768.	1.4	6
1125	Constraining Fault Friction and Stability With Fluidâ€“Injection Field Experiments. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091188.	1.5	25
1126	Widespread deep seismicity in the Delaware Basin, Texas, is mainly driven by shallow wastewater injection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
1127	Evaluation of shear slip stress transfer mechanism for induced microseismicity at In Salah CO2 storage site. <i>International Journal of Greenhouse Gas Control</i> , 2021, 107, 103302.	2.3	15
1128	Investigation on Two $M_w$ 3.6 and $M_w$ 4.1 Earthquakes Triggered by Poroelastic Effects of Hydraulic Fracturing Operations Near Crooked Lake, Alberta. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020308.	1.4	15

#	ARTICLE	IF	CITATIONS
1129	Experimental Study on the Strength and Failure Mechanism of Hollow Hot Dry Rocks Under Brazilian Splitting Tests. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 11125-11134.	1.7	3
1130	Comparison of the Hydraulic Fracturing Water Cycle in China and North America: A Critical Review. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7167-7185.	4.6	57
1131	Effect of Cyclical Microwave Modification on the Apparent Permeability of Anthracite: A Case Study of Methane Extraction in Sihe Mine, China. <i>ACS Omega</i> , 2021, 6, 15001-15011.	1.6	4
1132	DEVELOPMENT OF INDUCED SEISMICITY IN MINING TASHTAGOL IRON ORE DEPOSIT: RETROSPECTIVE ANALYSIS AND FORECAST. <i>Interexpo GEO-Siberia</i> , 2021, 2, 288-294.	0.0	0
1133	Seismicity at Newdigate, Surrey, during 2018â€“2019: A Candidate Mechanism Indicating Causation by Nearby Oil Production. , 0, , .		1
1134	Accounting for Natural Uncertainty Within Monitoring Systems for Induced Seismicity Based on Earthquake Magnitudes. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
1135	Imaging the Deep Crustal Structure of Central Oklahoma Using Stacking and Inversion of Local Earthquake Waveforms. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021368.	1.4	2
1136	Did Wastewater Disposal Drive the Longest Seismic Swarm Triggered by Fluid Manipulations? Lacq, France, 1969â€“2016. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2733-2752.	1.1	4
1137	Complex Source Behaviors and Spatiotemporal Evolution of Seismicity During the 2015â€“2016 Earthquake Sequence in Cushing, Oklahoma. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022168.	1.4	10
1138	The Potential for Lowâ€“Grade Metamorphism to Facilitate Fault Instability in a Geothermal Reservoir. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093552.	1.5	16
1139	Comprehensive Characterization and Mitigation of Hydraulic Fracturing-Induced Seismicity in Fox Creek, Alberta. <i>SPE Journal</i> , 2021, , 1-12.	1.7	14
1140	Reservoir-Triggered Earthquakes Around the AtatÃ¼rk Dam (Southeastern Turkey). <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	9
1141	Numerical simulation of fluid injection-induced fault slip in heterogeneous shale formations. <i>Computers and Geotechnics</i> , 2021, 134, 104120.	2.3	7
1142	Stress Controls Rupture Extent and Maximum Magnitude of Induced Earthquakes. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092148.	1.5	8
1143	Hydrothermal pressure-temperature control on CO2 emissions and seismicity at Campi Flegrei (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 414, 107245.	0.8	38
1144	Fracking bad language â€“ hydraulic fracturing and earthquake risks. <i>Geoscience Communication</i> , 2021, 4, 303-327.	0.5	3
1145	Effect of Porosity and Permeability Evolution on Injectionâ€“Induced Aseismic Slip. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021258.	1.4	25
1146	Estimation of micro-earthquake source locations based on full adjoint <i>P</i> and <i>S</i> wavefield imaging. <i>Geophysical Journal International</i> , 2021, 226, 2116-2144.	1.0	3

#	ARTICLE	IF	CITATIONS
1147	Hazard and risk assessment for hydraulic fracturing induced seismicity based on the Entropy-Fuzzy-AHP method in Southern Sichuan Basin, China. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 90, 103908.	2.1	11
1148	States of In Situ Stress in the Duvernay East Shale Basin and Willesden Green of Alberta, Canada: Variable In Situ Stress States Effect Fault Stability. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021221.	1.4	11
1149	Changes of Coal Molecular and Pore Structure under Ultrasonic Stimulation. <i>Energy &amp; Fuels</i> , 2021, 35, 9847-9859.	2.5	17
1150	Laboratory Study on the Effect of Fluid Pressurization Rate on Fracture Instability. <i>Geofluids</i> , 2021, 2021, 1-8.	0.3	1
1151	Sustainable management to prevent seismic risks in the BÃ¼yÃ¼k Menderes geothermal province (SW) Tj ETQq0 0,0 rgBT /Overlock 1	1.3	1
1152	Environmentally-Friendly Production and Recovery Processes for Heavy Oils. , 2021, , .		0
1153	Fractured, altered, and faulted basement in northeastern Oklahoma: Implications for induced seismicity. <i>Journal of Structural Geology</i> , 2021, 147, 104330.	1.0	1
1154	The January 11, 2018, M<sub>w</sub> 6.0 Bagoâ€™oma, Myanmar Earthquake: A Shallow Thrust Event Within the Deforming Bagoâ€™oma Range. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021313.	1.4	4
1155	Earthquakes triggered by underground fluid injection modelled for a tectonically active oil field. <i>Nature</i> , 2021, 595, 655-656.	13.7	2
1156	Nucleation and Evolution of Sliding in Continental Fault Zones under the Action of Natural and Man-Made Factors: A State-of-the-Art Review. <i>Izvestiya, Physics of the Solid Earth</i> , 2021, 57, 439-473.	0.2	4
1157	Finite discrete-element modeling of multifracture propagation in fractured reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109229.	2.1	3
1158	Measuring Fault Zone and Host Rock Hydraulic Properties Using Tidal Responses. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093986.	1.5	6
1159	PEER NGA-East database. <i>Earthquake Spectra</i> , 2021, 37, 1331-1353.	1.6	46
1160	Investigation of potential damage to bridge infrastructure from induced earthquakes. <i>Engineering Structures</i> , 2021, 238, 112252.	2.6	4
1161	Can Hydrocarbon Extraction From the Crust Enhance or Inhibit Seismicity in Tectonically Active Regions? A Statistical Study in Italy. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
1162	Earthquakes and very deep groundwater perturbation mutually induced. <i>Scientific Reports</i> , 2021, 11, 13632.	1.6	8
1163	Seismogenic Faults of the Changning Earthquake Sequence Constrained by High-Resolution Seismic Profiles in the Southwestern Sichuan Basin, China. <i>Seismological Research Letters</i> , 2021, 92, 3757-3766.	0.8	19
1164	Identifying Direct SP-Converted Waves Constrains Local Induced Earthquake Depths. <i>Seismological Research Letters</i> , 0, , .	0.8	1



#	ARTICLE	IF	CITATIONS
1165	Analysis of shear wave splitting anisotropy in the Tres Virgenes Volcanic Complex, Baja California Sur, Mexico. <i>Geothermics</i> , 2021, 94, 102115.	1.5	4
1166	Earthquake Source Mechanisms and Stress Field Variations Associated With Wastewater-Induced Seismicity in Southern Kansas, USA. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021625.	1.4	4
1167	Mechanical Behavior of Sandstone Pressurized with Supercritical CO <sub>2</sub> and Water under Different Confining Pressure Conditions. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	3
1168	Multirate Mass Transfer Approach for Double-Porosity Poroelasticity in Fractured Media. <i>Water Resources Research</i> , 2021, 57, e2021WR029804.	1.7	3
1169	Joint microseismic moment-tensor inversion and location using P- and S-wave diffraction stacking. <i>Geophysics</i> , 2021, 86, KS137-KS150.	1.4	2
1170	Induced and triggered seismicity below the city of Strasbourg, France from November 2019 to January 2021. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 561-584.	0.4	15
1171	Analysis of the influence of joint direction on production optimization in enhanced geothermal systems. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 3437-3449.	1.2	4
1172	Stability of basement-rooted faults in the Delaware Basin of Texas and New Mexico, USA. <i>Journal of Structural Geology</i> , 2021, 149, 104360.	1.0	10
1174	Precambrian Crystalline Basement Properties From Pressure History Matching and Implications for Induced Seismicity in the US Midcontinent. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009660.	1.0	1
1175	Aftershock Triggering and Spatial Aftershock Zones in Fluid-Driven Settings: Discriminating Induced Seismicity From Natural Swarms. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092267.	1.5	9
1176	Hydraulic Diffusivity of a Partially Open Rough Fracture. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 5493-5515.	2.6	8
1177	Effect of Permeability Evolution in Fault Damage Zones on Earthquake Recurrence. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021787.	1.4	6
1178	Seismicity at the Castor gas reservoir driven by pore pressure diffusion and asperities loading. <i>Nature Communications</i> , 2021, 12, 4783.	5.8	22
1179	Revisiting the Classical Experiment in Earthquake Control at the Rangely Oil Field, Colorado, 1970, Using a Coupled Flow and Geomechanical Model. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 3136-3159.	1.1	4
1180	The relationship between dynamic strength and strain rate and damage to rock materials subjected to dynamic cyclic loading. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	9
1181	Dilatancy and Compaction of a Rate- and State Fault in a Poroelastic Medium: Linearized Stability Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022071.	1.4	11
1182	Changes in Crack Shape and Saturation in Laboratory-Induced Seismicity by Water Infiltration in the Transversely Isotropic Case with Vertical Cracks. <i>Pure and Applied Geophysics</i> , 2021, 178, 3829.	0.8	1
1183	Estimation of the orientation of stress in the Earth's crust without earthquake or borehole data. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	4

#	ARTICLE	IF	CITATIONS
1184	Effect of pore fluid chemistry on uniaxial compaction creep of Bentheim sandstone and implications for reservoir injection operations. <i>Geomechanics for Energy and the Environment</i> , 2021, 29, 100272.	1.2	6
1185	Induced seismicity risk analysis using a novel 3D modelling approach. , 2021, , .		0
1186	Microseismic event location using artificial neural networks. , 2021, , .		2
1187	Experimental of the influence of mineral composition and normal stress on the frictional slip of shale. <i>Earthquake Research Advances</i> , 2021, 1, 100030.	1.0	1
1188	On the Origin of Orphan Tremors and Intraplate Seismicity in Western Africa. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
1189	Fundamental constraints of lithologically-controlled fault networks on gas migration and accumulation for fractured carbonates in the western Sichuan Basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109502.	2.1	5
1190	Controlling Induced Earthquake Magnitude by Cycled Fluid Injection. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092885.	1.5	11
1191	Interferometric body-wave retrieval from ambient noise after polarization filtering: Application to shallow reflectivity imaging. <i>Geophysics</i> , 2021, 86, Q47-Q58.	1.4	4
1192	Critical Criminology: State-Facilitated Corporate Crime, Environmental Racism, and the Atlantic Coast Pipeline. <i>Howard Journal of Crime and Justice</i> , 2021, 60, 323-342.	0.4	0
1193	Spectral Evidence for Reservoir-Triggered Seismicity at Song Tranh 2 Reservoir (Vietnam). <i>Pure and Applied Geophysics</i> , 2021, 178, 3817-3828.	0.8	6
1194	Surface Deformation and Seismicity Induced by Poroelastic Stress at the Raft River Geothermal Field, Idaho, USA. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095108.	1.5	1
1195	Mitigation of injection-induced seismicity on undrained faults in granite using cyclic fluid injection: A laboratory study. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 146, 104881.	2.6	13
1196	A review of unloading-induced fault instability. <i>Underground Space (China)</i> , 2021, 6, 528-538.	3.4	11
1197	Stress heterogeneity in the Changning shale-gas field, southern Sichuan Basin: Implications for a hydraulic fracturing strategy. <i>Marine and Petroleum Geology</i> , 2021, 132, 105218.	1.5	20
1198	Sensitivity Analysis of Geomechanical Constraints in CO2 Storage to Screen Potential Sites in Deep Saline Aquifers. <i>Frontiers in Climate</i> , 2021, 3, .	1.3	7
1199	Variations in vertical stress in the Permian Basin region. <i>AAPG Bulletin</i> , 2021, 105, 1893-1907.	0.7	7
1200	Pumping Rate-Dependent Temperature Difference Effect on Hydraulic Fracturing of the Breakdown Pressure in Hot Dry Rock Geothermal Formations. <i>Geothermics</i> , 2021, 96, 102175.	1.5	8
1201	Earthquake swarms in Taiwan: A composite declustering method for detection and their spatial characteristics. <i>Earth and Planetary Science Letters</i> , 2021, 574, 117160.	1.8	9

#	ARTICLE	IF	CITATIONS
1202	Nanoscale insight into the relation between pressure solution of calcite and interfacial friction. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 254-264.	5.0	7
1203	Research on the influence of strike-slip fault slippage on production casing and control methods and engineering application during multistage fracturing in deep shale gas wells. <i>Energy Reports</i> , 2021, 7, 2989-2998.	2.5	16
1204	Down-dip circulation at the united downs deep geothermal power project maximizes heat recovery and minimizes seismicity. <i>Geothermics</i> , 2021, 96, 102204.	1.5	8
1205	Numerical simulation of mixed aseismic/seismic fault-slip induced by fluid injection using coupled X-FEM analysis. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 147, 104871.	2.6	6
1206	Influence of hydrological communication between basement-rooted faults and hydraulic fractures on induced seismicity: A case study. <i>Journal of Petroleum Science and Engineering</i> , 2021, 206, 109040.	2.1	13
1207	Differences in public perceptions of geothermal energy based on EGS technology in Korea after the Pohang earthquake: National vs. local. <i>Technological Forecasting and Social Change</i> , 2021, 172, 121027.	6.2	10
1208	Characterization of roughness and shear behavior of thermally treated granite fractures. <i>Engineering Geology</i> , 2021, 293, 106287.	2.9	31
1209	Understanding initial opportunities and key challenges for CCUS deployment in India at scale. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105829.	5.3	36
1210	Design diversity for efficiency improvement and uncertainty management in multiple wells stimulation. <i>Computers and Geotechnics</i> , 2021, 140, 104433.	2.3	0
1211	Hydro-mechanical simulation and analysis of induced seismicity for a hydraulic stimulation test at the Reykjanes geothermal field, Iceland. <i>Geothermics</i> , 2021, 97, 102223.	1.5	12
1212	Scenario-based seismic hazard analysis and its applications in the central United States. , 2022, , 349-371.		0
1213	Fracturing behaviors of soil subjected to monotonic and fatigue pneumatic loading. <i>Journal of Hazardous Materials</i> , 2022, 421, 126653.	6.5	3
1214	A review of experimental apparatus for supercritical CO <sub>2</sub> fracturing of shale. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109515.	2.1	28
1215	Spatiotemporal changes in seismic velocity associated with hydraulic fracturing-induced earthquakes near Fox Creek, Alberta, Canada. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109390.	2.1	2
1216	Solar-driven desalination and resource recovery of shale gas wastewater by on-site interfacial evaporation. <i>Chemical Engineering Journal</i> , 2022, 428, 132624.	6.6	41
1217	Identification of bioprivileged molecules: expansion of a computational approach to broader molecular space. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 445-460.	1.7	5
1218	Environmental Regulatory Systems of Shale Gas Development. <i>Springer Briefs in Geography</i> , 2021, , 81-98.	0.1	0
1220	Characterization of injection-induced seismicity at north central Oklahoma, USA. <i>Journal of Seismology</i> , 2021, 25, 327-337.	0.6	9

#	ARTICLE	IF	CITATIONS
1221	What the Frack? The Impact of Seismic Activity on Residential Property Values. Journal of Housing Research, 2021, 30, 34-58.	0.2	4
1222	Tectonic and Anthropogenic Characteristics of the November 15, 2019 Micro Earthquakes Sequence, Kuwait. Geotectonics, 2021, 55, 112-127.	0.2	7
1223	Quantifying nuisance ground motion thresholds for induced earthquakes. Earthquake Spectra, 2021, 37, 789-802.	1.6	7
1225	Transport analysis in deformable porous media through integral transforms. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 307-324.	1.7	11
1226	CO2 Geological Storage. , 2015, , 1-54.		2
1227	The Influence of Earthquake Magnitude on Hazard Related to Induced Seismicity. Geotechnical, Geological and Earthquake Engineering, 2015, , 429-442.	0.1	5
1228	Disasters and Responsibility. Normative Issues for Law Following Disasters. Advancing Global Bioethics, 2018, , 43-53.	0.8	5
1229	Autonomous Decision-Making Against Induced Seismicity in Deep Fluid Injections. Springer Series in Geomechanics and Geoengineering, 2019, , 369-376.	0.0	3
1230	Modeling of Fluid Transport in Geothermal Research. , 2014, , 1-55.		5
1231	Modeling of Fluid Transport in Geothermal Research. , 2015, , 1443-1505.		9
1232	Reduction of Injection-Induced Pore-Pressure and Stress in Basement Rocks Due to Basal Sealing Layers. Pure and Applied Geophysics, 2017, 174, 2649-2661.	0.8	11
1233	Cumulative damage evolution and failure modes of the bedding rock slope under frequent microseisms. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	11
1234	Water Use for Unconventional Gas Production in the European Union. , 2017, , 197-211.		1
1235	Effect of surface morphology on fluid flow in rough fractures: A review. Journal of Natural Gas Science and Engineering, 2020, 79, 103343.	2.1	67
1236	Influence of fracture roughness on shear strength, slip stability and permeability: A mechanistic analysis by three-dimensional digital rock modeling. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 720-731.	3.7	28
1242	An Introduction to Subsurface CO2 Storage. RSC Energy and Environment Series, 2019, , 238-295.	0.2	7
1243	Seismic hazard due to fluid injections. Physical Review Research, 2020, 2, .	1.3	10
1244	Strategies to prevent damage to critical infrastructure due to induced seismicity. Facets, 2017, 2, 374-394.	1.1	17

#	ARTICLE	IF	CITATIONS
1245	Temporal changes in the distinct scattered wave packets associated with earthquake swarm activity beneath the Moriyoshi-zan volcano, northeastern Japan. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	2
1246	Spatial and temporal influence of rainfall on crustal pore pressure based on seismic velocity monitoring. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	22
1247	Structural characterization of potentially seismogenic faults in the Fort Worth Basin. <i>Interpretation</i> , 2020, 8, T323-T347.	0.5	17
1248	Kalman filter: A potential tool for real-time monitoring velocity changes during hydraulic fracturing. , 2017, , .		1
1249	Microearthquakes in west Texas: Induced or not?. , 2017, , .		3
1250	Fluid flow and thermal modeling for tracking induced seismicity near the Graham disposal well, British Columbia, Canada. , 2018, , .		2
1251	Fault slip in hydraulic stimulation of geothermal reservoirs: Governing mechanisms and process-structure interaction. <i>The Leading Edge</i> , 2020, 39, 893-900.	0.4	10
1252	Laboratory experimental study on fracture shear-activation induced by carbon dioxide injection. <i>Journal of the Geological Society of Korea</i> , 2015, 51, 281.	0.3	3
1253	Numerical study on the mechanism of pore pressure changes due to the CO2 injection in the finite reservoir. <i>Journal of the Geological Society of Korea</i> , 2019, 55, 445-460.	0.3	1
1254	Emission scenarios of a potential shale gas industry in Germany and the United Kingdom. <i>Elementa</i> , 2019, 7, .	1.1	5
1255	The 30 June 2017 North Sea Earthquake: Location, Characteristics, and Context. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 937-952.	1.1	7
1256	Assessing Earthquake Hazard Map Performance for Natural and Induced Seismicity in the Central and Eastern United States. <i>Seismological Research Letters</i> , 2018, 89, 118-126.	0.8	14
1257	Contour-Based Frequency-Domain Event Detection for Seismic Arrays. <i>Seismological Research Letters</i> , 2018, 89, 1514-1523.	0.8	4
1259	The Economics of Shale Gas Development. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1260	Fracking and Mortgage Default. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
1261	Eco-friendly Transformation of Waste Biomass to Biofuels. <i>Current Biochemical Engineering</i> , 2020, 6, 120-134.	1.3	25
1262	Fault zone exploitation in geothermal reservoirs: Production optimization, permeability evolution and induced seismicity. <i>Advances in Geo-Energy Research</i> , 2020, 4, 1-12.	3.1	31
1263	An Integrated Framework for Seismic Risk Assessment of Reinforced Concrete Buildings Based on Structural Health Monitoring. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1264	Micro-Seismic Characterization of the Utah FORGE Site. , 0, , .		3
1265	Modelling fault reactivation with characteristic stress-drop terms. <i>Advances in Geosciences</i> , 0, 49, 1-7.	12.0	3
1266	The INSIEME seismic network: a research infrastructure for studying induced seismicity in the High Agri Valley (southern Italy). <i>Earth System Science Data</i> , 2020, 12, 519-538.	3.7	10
1267	A novel approach to assessing nuisance risk from seismicity induced by UK shale gas development, with implications for future policy design. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 2701-2719.	1.5	9
1268	Scientific Exploration of Induced Seismicity and Stress (SEISMS). <i>Scientific Drilling</i> , 0, 23, 57-63.	1.0	18
1269	Extracting microphysical fault friction parameters from laboratory and field injection experiments. <i>Solid Earth</i> , 2020, 11, 2245-2256.	1.2	2
1270	Fault reactivation by gas injection at an underground gas storage off the east coast of Spain. <i>Solid Earth</i> , 2020, 11, 63-74.	1.2	14
1271	Potential influence of overpressurized gas on the induced seismicity in the St. Gallen deep geothermal project (Switzerland). <i>Solid Earth</i> , 2020, 11, 909-933.	1.2	6
1272	Regulation Requires Records: Access to Fracking Information in the Marcellus/Utica Shale Formations. <i>KULA Knowledge Creation Dissemination and Preservation Studies</i> , 0, 2, 3.	0.3	1
1273	Heterogeneity of State Shale Gas Regulations. <i>Economics of Energy and Environmental Policy</i> , 2015, 4, .	0.7	6
1274	Slow slip events: parameters, conditions of occurrence, and future research prospects. <i>Geodinamika I Tektonofizika</i> , 2014, 5, 863-891.	0.3	14
1275	Geomorphic Perspectives on Mining Landscapes, Hazards, and Sustainability. , 2021, , 106-106.		2
1276	Interplay of large-scale tectonic deformation and local fluid injection investigated through seismicity patterns at the Reykjanes Geothermal Field, Iceland. <i>Geophysical Journal International</i> , 2021, 228, 1866-1886.	1.0	4
1277	Different Fault Response to Stress during the Seismic Cycle. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9596.	1.3	6
1278	Role of Fluid Diffusivity in the Spatiotemporal Migration of Induced Earthquakes during Hydraulic Fracturing in Unconventional Reservoirs. <i>Energy &amp; Fuels</i> , 2021, 35, 17685-17697.	2.5	8
1279	Numerical study of the role of localized stress perturbations on fault slip: Insights for injection-induced fault reactivation. <i>Tectonophysics</i> , 2021, 819, 229105.	0.9	3
1280	Oil and gas development and its effect on bird diversity in the high plains of Colorado (2003â€“2018). <i>Biological Conservation</i> , 2021, 263, 109358.	1.9	4
1281	Modeling of fluid-induced seismicity during injection and after shut-in. <i>Computers and Geotechnics</i> , 2021, 140, 104489.	2.3	2

#	ARTICLE	IF	CITATIONS
1282	Laboratory characterization of cyclic hydraulic fracturing for deep shale application in Southwest China. International Journal of Rock Mechanics and Minings Sciences, 2021, 148, 104945.	2.6	20
1283	EGS Power Generation and Hydraulic Stimulation. Tunnel and Underground Space, 2013, 23, 506-520.	0.1	2
1284	Transition to Low- and Zero-Carbon Energy and Fuels. Lecture Notes in Energy, 2014, , 279-323.	0.2	0
1286	Man-made quakes shake the ground less than natural ones. Nature, 0, , .	13.7	0
1287	Mechanism of Intraplate Earthquakes and Anthropogenic Causes in USA. Natural Science, 2015, 07, 459-474.	0.2	4
1288	Induced Seismicity and Its Applications. Geophysics and Geophysical Exploration, 2015, 18, 21-30.	0.2	0
1289	Co-Precipitation of Radium with Barium and Strontium Sulfate and Its Impact on the Fate of Radium during Treatment of Produced Water from Unconventional Gas Extraction. , 2015, , 183-204.		0
1292	INDUCED EARTHQUAKES CORRELATIONS WITH EARTHâ€™S CRUSTAL THICKNESS. International Journal of GEOMATE, 2016, , .	0.1	1
1293	Seismic monitoring of nuclear power plants in Russia. , 2016, , 451-456.		0
1294	Every petroleum exploration survey is now a crustal survey: 3D Precambrian basement structures in the southern midcontinent of the United States revealed by reprocessing nodal exploration data. , 2016, , .		0
1295	Technical Program in full - Part I (ACQ 1 - PS P1). , 2016, , .		0
1296	CO2 Geological Storage. , 2017, , 2433-2486.		0
1298	Waterâ€™Energy Nexus and Environmental Aspects of Oil and Gas Production. , 2017, , 160-177.		0
1299	Anthropogenic Enhancement of Earthquakes in the Conterminous USA. Journal of Geoscience and Environment Protection, 2017, 05, 67-85.	0.2	1
1302	Microseismic Event Detection Using the Match & Locate Method and Its Application to Surface Microseismic Monitoring of Hydraulic Fracturing of a Shale-gas Reservoir. , 2017, , .		0
1303	Special Session II Complete Session. , 2017, , .		0
1304	Anthropogenic causes of intraplate earthquakes in Oklahoma, USA. , 2017, , .		0
1305	Passive seismic monitoring of an active CO2-EOR operation in Farnsworth, Texas. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
1306	Fluid Withdrawal. Techniques in Dentistry and Oral & Maxillofacial Surgery, 2018, , 1-8.	0.0	0
1307	Induced Seismicity. , 2018, , 1-20.		0
1309	Fluid Withdrawal. Encyclopedia of Earth Sciences Series, 2018, , 350-357.	0.1	0
1310	A Notable Earthquake Swarm in Alabama: Natural or Anthropogenic?. Seismological Research Letters, 2018, 89, 1583-1594.	0.8	1
1311	Estimate temporal pore-pressure distribution from induced seismicity in Oklahoma. , 2018, , .		0
1312	Quantitative-statistical relationship between seismic attributes and wastewater injection parameters in Oklahoma. , 2018, , .		0
1313	Rate-state based simulation of laboratory and natural-induced seismicity. , 2018, , .		1
1314	Long-Period Long-Duration Events Detected by the IRIS Community Wavefield Demonstration Experiment in Oklahoma: Tremor or Train Signals?. Seismological Research Letters, 0, , .	0.8	0
1315	Fault Angle Control on Potential Seismic Slip in the Illinois Basin Region. Seismological Research Letters, 2018, 89, 2461-2472.	0.8	1
1316	Cracks in Saturated Porous Media: Desiccation Cracks, Hydraulic Fracturing, and Microseismicity. , 2019, , 553-680.		0
1317	Earthquakes in Oklahomaâ€”Adapting to a New Reality. , 2018, , .		1
1328	Induced Seismicity. , 2019, , 393-411.		0
1335	Constraints from magnetotellurics on the geological structure across a seismic area associated with water wells in the Paran basin, Brazil. Brazilian Journal of Geology, 2019, 49, .	0.3	0
1339	Environmental Injustices in Rural America. SpringerBriefs in Public Health, 2019, , 17-24.	0.2	0
1346	Studying stress state and fault zone properties of source regions of induced seismicity using dynamic rupture models. , 2019, , .		1
1347	Clustering in fluid-induced seismicity and what it tells us about its source. , 2019, , .		2
1348	Earthquake clusters show temporal changes in shear-wave anisotropy in the US midcontinent. , 2019, , .		1
1350	Overview of active and passive seismic data acquisition and monitoring at the Illinois Basin: Decatur project. , 2019, , .		0



#	ARTICLE	IF	CITATIONS
1352	Extractive Energy and Arctic Communities. , 2020, , 97-116.		2
1354	The relation of the seismicity in the eastern part of the Ukrainian Carpathians and the distribution of electrical conductivity in the Earth's crust. <i>Geologica Carpathica</i> , 2019, 70, 483-493.	0.2	2
1355	Varied Responses to Human-Induced Seismicity in the City of Azle, Texas. <i>Case Studies in the Environment</i> , 2019, 3, 1-8.	0.4	0
1356	Time-Dependent Stresses From Fluid Extraction and Diffusion With Applications to Induced Seismicity. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020, 87, .	1.1	3
1357	Crustal Structure in Southeastern Texas From Joint Inversion of Ambient Seismic Noise and $S$ Receiver Functions. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008866.	1.0	4
1358	Further Subsurface Environmental Modelling Cases. <i>Advances in Geophysical and Environmental Mechanics and Mathematics</i> , 2021, , 193-210.	0.1	0
1359	Determination of Local Magnitude for Earthquakes Recorded from the Texas Seismological Network (TexNet). <i>Seismological Research Letters</i> , 2020, 91, 3223-3235.	0.8	11
1360	Frictional Behavior of the Stressed Basalt Fracture. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 861, 052003.	0.2	1
1361	Correlations between fracture width and Reynolds number of 3-D single fractures. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 861, 032041.	0.2	0
1362	The correlation of earthquake swarms and local velocity heterogeneities in the Brawley seismic zone, southern California. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 322, 106814.	0.7	2
1363	Characterization of seismic energy during fault-slip induced by fluid injection using coupled and dynamic X-FEM analysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 861, 032078.	0.2	0
1364	Recent temporal changes in the stress state and fault reactivation assessment of HTB underground gas storage in China associated with gas injection and extraction. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 861, 052019.	0.2	0
1365	From Seismic Quiescence to Surged Activity After Decades of Wastewater Disposal: A Case Study in Central West Alberta, Canada. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095074.	1.5	9
1366	Geomechanical aspects of induced microseismicity during $CO_2$ injection in Illinois Basin. <i>The Leading Edge</i> , 2021, 40, 823-830.	0.4	3
1367	Laboratory Simulation of Injection-Induced Shear Slip on Saw-Cut Sandstone Fractures under Different Boundary Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 751-771.	2.6	5
1369	Report on ICDP Deep Dust workshops: probing continental climate of the late Paleozoic icehouse—greenhouse transition and beyond. <i>Scientific Drilling</i> , 0, 28, 93-112.	1.0	4
1370	Insights of the September 2007 Cerralvo Earthquake—Hurricane Henriette Crisis in La Paz, Mexico: Aftershocks Detection with Artificial Neural Networks. <i>Seismological Research Letters</i> , 2021, 92, 67-76.	0.8	1
1371	Linear and nonlinear fluid flow responses of connected fractures subject to shearing under constant normal load and constant normal stiffness boundary conditions. <i>Computers and Geotechnics</i> , 2022, 141, 104517.	2.3	10

#	ARTICLE	IF	CITATIONS
1372	Beyond treatment technology: Understanding motivations and barriers for wastewater treatment and reuse in unconventional energy production. <i>Resources, Conservation and Recycling</i> , 2022, 177, 106011.	5.3	14
1373	Full moment tensor inversion constrained by double-couple focal mechanism for induced seismicity. <i>Earthquake Science</i> , 2020, 33, 177-193.	0.4	0
1374	Impact of Injection Style on the Evolution of Fluid-Induced Seismicity and Permeability in Rock Mass at 410m Depth in Åspå Hard Rock Laboratory, Sweden. , 2020, , 89-102.		0
1375	Energy and the Environment I: Fossil Fuels. , 2020, , 81-108.		0
1376	Earthquakes in the Himalaya. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-13.	0.1	0
1377	Hot water injection in relation to 1982-84 microseismic events at Campi Flegrei Caldera by thermo-hydro-mechanical simulation. <i>E3S Web of Conferences</i> , 2020, 205, 02008.	0.2	0
1378	Hydromechanical Coupled Cohesive Zone Modeling of Induced Earthquakes under Fluid Injections. , 2020, , .		0
1379	Evaluation of Intensity Prediction Equations (IPEs) for Small-Magnitude Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	1
1380	Improving Absolute Hypocenter Accuracy With 3D <i>Pg</i> and <i>Sg</i> Body-Wave Inversion Procedures and Application to Earthquakes in the Central Alps Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022155.	1.4	13
1381	Raton Basin Induced Seismicity Is Hosted by Networks of Short Basement Faults and Mimics Tectonic Earthquake Statistics. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022839.	1.4	9
1382	Lithology and reservoir properties of the Delaware Mountain Group of the Delaware Basin and implications for saltwater disposal and induced seismicity. <i>Journal of Sedimentary Research</i> , 2021, 91, 1113-1132.	0.8	8
1383	Migration of Fluid-Induced Seismicity Reveals the Seismogenic State of Faults. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	17
1384	Can sea level rise help us restore coastal wetlands? The hydrologic restoration of the Slop Bowl, Brazoria National Wildlife Refuge, Texas. <i>Shore and Beach</i> , 2021, , 73-82.	0.2	1
1385	Frictional slip weakening and shear-enhanced crystallinity in simulated coal fault gouges at slow slip rates. <i>Solid Earth</i> , 2020, 11, 1399-1422.	1.2	2
1386	Using neural networks to detect microseismicity and pick P-wave arrival times in Oklahoma. , 2020, , .		0
1387	Investigating the role of thermal stresses on induced seismicity. , 2020, , .		0
1388	Seismic monitoring of CO <sub>2</sub> injection at an enhanced oil recovery site in Wellington, Kansas. , 2020, , .		1
1390	How Induced Seismicity Impacts Community Perceptions of Oil and Gas Development. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
1391	Aseismic deformations perturb the stress state and trigger induced seismicity during injection experiments. <i>Geophysical Journal International</i> , 2020, 224, 1464-1475.	1.0	5
1392	Spectral Inversion for Seismic Site Response in Central Oklahoma: Low-Frequency Resonances from the Great Unconformity. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 87-100.	1.1	5
1393	THMD analysis of fluid injection-induced fault reactivation and slip in EGS. <i>Geothermics</i> , 2022, 99, 102303.	1.5	7
1394	Analyzing the Impact of Large Dams on Seismicity Patterns around Their Locations. <i>Archives of Hydroengineering and Environmental Mechanics</i> , 2021, 68, 3-17.	0.5	0
1395	Stress perturbations from hydrological and industrial loads and seismicity in the Salt Lake City region. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022362.	1.4	1
1396	Coulomb threshold rate-and-state model for fault reactivation: application to induced seismicity at Groningen. <i>Geophysical Journal International</i> , 2021, 228, 2061-2072.	1.0	10
1397	A critical review of the experimental and theoretical research on cyclic hydraulic fracturing for geothermal reservoir stimulation. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, 1.	1.3	11
1398	The 2019â€“2020 Khalili (Iran) Earthquake Sequenceâ€™ Anthropogenic Seismicity in the Zagros Simply Folded Belt?. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022797.	1.4	9
1399	The Geothermal Power Plants of Amiata Volcano, Italy: Impacts on Freshwater Aquifers, Seismicity and Air. , 0, , .		0
1400	Fluid-injection-induced earthquakes characterized by hybrid-frequency waveforms manifest the transition from aseismic to seismic slip. <i>Nature Communications</i> , 2021, 12, 6862.	5.8	22
1401	A Strategy for Choosing Redâ€Light Thresholds to Manage Hydraulic Fracturing Induced Seismicity in North America. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022340.	1.4	11
1402	Statistical Relationship Between the Decrease of Major Seismicity and Drought in Southern California Since 1900. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
1403	Movers and Shakers: Stock Market Response to Induced Seismicity in Oil and Gas Business. <i>Energies</i> , 2021, 14, 8051.	1.6	0
1404	Multivariate Statistical Appraisal of Regional Susceptibility to Induced Seismicity: Application to the Permian Basin, SW United States. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022768.	1.4	7
1405	Reservoir geomechanics. <i>Developments in Petroleum Science</i> , 2021, 72, 601-662.	0.2	0
1406	Does Etiology Matter? Exploring Attitudes Towards Tornado and Earthquake Hazards. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1407	3â€ Crustal Azimuthal Anisotropy Reveals Multiâ€Stage Deformation Processes of the Sichuan Basin and Its Adjacent Area, SW China. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	6
1408	Site response analysis of induced seismic events in the CENA region. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 153, 107118.	1.9	3

#	ARTICLE	IF	CITATIONS
1409	Laboratory experiments on fault behavior towards better understanding of injection-induced seismicity in geenergy systems. <i>Earth-Science Reviews</i> , 2022, 226, 103916.	4.0	28
1410	Optimization-based modeling and economic comparison of membrane distillation configurations for application in shale gas produced water treatment. <i>Desalination</i> , 2022, 526, 115513.	4.0	3
1411	Effects of Place-Based Socioscientific Issues on Rising Middle School Students' Evidence-Based Reasoning and Critical Thinking on Hydraulic Fracking. <i>Journal of Education in Science, Environment and Health</i> , 0, , .	0.5	1
1412	Oil and Gas Produced Water Reuse: Opportunities, Treatment Needs, and Challenges. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 347-366.	3.7	31
1413	Statistical bounds on how induced seismicity stops. <i>Scientific Reports</i> , 2022, 12, 1184.	1.6	17
1414	Experimental Investigation of the Effect of Evenly Distributed Pore Pressure on Rock Damage. <i>Lithosphere</i> , 2022, 2021, .	0.6	2
1415	Changes in Fault Slip Potential Due to Water Injection in the Rongcheng Deep Geothermal Reservoir, Xiong'an New Area, North China. <i>Water (Switzerland)</i> , 2022, 14, 410.	1.2	1
1416	Mechanism of reservoir-induced seismicity in the Xinfengjiang reservoir area, Guangdong, China. <i>Natural Hazards</i> , 2022, 111, 2059-2076.	1.6	4
1417	Eruption cycles of Mount Etna triggered by seasonal climatic rainfall. <i>Journal of Geodynamics</i> , 2022, 149, 101896.	0.7	9
1418	Limited Dynamic Triggering in the Utah Region, USA. <i>Geophysical Journal International</i> , 0, , .	1.0	0
1419	Permeability-controlled migration of induced seismicity to deeper depths near Venus in North Texas. <i>Scientific Reports</i> , 2022, 12, 1382.	1.6	3
1420	Multi-disciplinary characterizations of the BedrettoLab "a new underground geoscience research facility. <i>Solid Earth</i> , 2022, 13, 301-322.	1.2	17
1421	Shallow Aseismic Slip in the Delaware Basin Determined by Sentinel-1 InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	13
1422	Anthropogenic activity at the Leyte geothermal field promoted the 2017 Mw 6.5 earthquake. <i>Tectonophysics</i> , 2022, 824, 229227.	0.9	0
1423	From Fluid Flow to Coupled Processes in Fractured Rock: Recent Advances and New Frontiers. <i>Reviews of Geophysics</i> , 2022, 60, e2021RG000744.	9.0	61
1424	Gas fields and large shallow seismogenic reverse faults are anticorrelated. <i>Scientific Reports</i> , 2022, 12, 1827.	1.6	5
1425	The spatial-temporal influence of grouped variables on pressure plume behavior at a geologic carbon storage project. <i>International Journal of Greenhouse Gas Control</i> , 2022, 114, 103599.	2.3	1
1426	Analysis of the Upper and Lower Boundaries of Permeability Evolution during Shale Rock Shear Deformation. <i>Energy &amp; Fuels</i> , 2022, 36, 2007-2022.	2.5	2

#	ARTICLE	IF	CITATIONS
1427	A Ternary Seismic Metamaterial for Low Frequency Vibration Attenuation. <i>Materials</i> , 2022, 15, 1246.	1.3	16
1428	Revisiting the Evaluation of Hydraulic Transmissivity of Elliptical Rock Fractures in Triaxial Shear-Flow Experiments. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 3781-3789.	2.6	7
1429	CO2 Geological Storage. , 2021, , 1-55.		0
1430	New Insights on Moho Depths And Regional Crustal Structure of Central Oklahoma Based on Receiver Function Analysis from Dense Seismic Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1431	The Effect of Correlated Permeability on Fluid-Induced Seismicity. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
1432	Seismic source location with time-reversal and maximum-amplitude path for sparse and small-aperture acquisitions. <i>Geophysics</i> , 2022, 87, KS113-KS123.	1.4	1
1433	Role of Subsurface Geo-Energy Pilot and Demonstration Sites in Delivering Net Zero. <i>Earth Science, Systems and Society</i> , 0, 2, .	0.0	1
1434	A discrete fracture hybrid model for forecasting diffusion-induced seismicity and power generation in enhanced geothermal systems. <i>Geophysical Journal International</i> , 2022, 230, 84-113.	1.0	2
1435	Enhanced hypocenter determination of the 2017 Pohang earthquake sequence, South Korea, using a 3-D velocity model. <i>Geosciences Journal</i> , 2022, 26, 499-511.	0.6	3
1436	Experimental study on the shear-slip characteristics of natural fractures in shale reservoirs. <i>Energy Science and Engineering</i> , 2022, 10, 1240-1250.	1.9	1
1437	Seismic Evidence for Fluid-Driven Pore Pressure Increase and Its Links With Induced Seismicity in the Xinfengjiang Reservoir, South China. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	10
1440	Review: Induced Seismicity During Geoenery Development A Hydromechanical Perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	21
1441	Source Properties of Hydraulic-Fracturing-Induced Earthquakes in the Kiskatinaw Area, British Columbia, Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
1442	Frictional Stability of Metamorphic Epidote in Granitoid Faults Under Hydrothermal Conditions and Implications for Injection-Induced Seismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	8
1443	A Numerical Experiment of Full Waveform Inversion of Complex Structures Concealed Around a Horizontal Hydraulic Fracturing Well Using Perforation Seismic Data. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	0
1444	Treatment and Recovery of High-Value Elements from Produced Water. <i>Water (Switzerland)</i> , 2022, 14, 880.	1.2	11
1445	Long duration non-volcanic and non-tectonic Palghar earthquake swarm in the stable continental region of India role of seasonal rainfall and earthquake cascading. <i>Journal of Seismology</i> , 2022, 26, 545-554.	0.6	6
1446	Household earthquake preparedness in Oklahoma: A mixed methods study of selected municipalities. <i>International Journal of Disaster Risk Reduction</i> , 2022, 73, 102872.	1.8	4

#	ARTICLE	IF	CITATIONS
1447	Induced and triggered seismicity by immediate stress transfer and delayed fluid migration in a fractured geothermal reservoir at Pohang, South Korea. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 153, 105098.	2.6	12
1448	Optimization of mobile oil and gas produced water treatment unit deployment logistics to achieve economic feasibility. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106249.	5.3	2
1449	Towards sustainable oil/gas fracking by reusing its process water: A review on fundamentals, challenges, and opportunities. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110422.	2.1	10
1450	Empirical and numerical investigation into the influence of fluid injection volume and rate on induced seismicity in the Montney Formation, northeastern British Columbia. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110423.	2.1	2
1451	Seismicity and development of Romashkino hydrocarbon field's Almet'yevskaya area. <i>Georesursy</i> , 2021, 23, 51-57.	0.3	0
1452	Social License to Operate in Geothermal Energy. <i>Energies</i> , 2022, 15, 139.	1.6	10
1453	Detailed 3D Seismic Velocity Structure of the Prague, Oklahoma Fault Zone and the Implications for Induced Seismicity. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	2
1454	Spatial and temporal multiplet analysis for identification of dominant fluid migration path at The Geysers geothermal field, California. <i>Scientific Reports</i> , 2021, 11, 23908.	1.6	6
1455	Diagnostic and predictive analysis of production and injection-induced fault activation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2022, 46, 392-415.	1.7	9
1456	Dynamic rupture initiation and propagation in a fluid-injection laboratory setup with diagnostics across multiple temporal scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
1457	Dynamic Relationship Study between the Observed Seismicity and Spatiotemporal Pattern of Lineament Changes in Palghar, North Maharashtra (India). <i>Remote Sensing</i> , 2022, 14, 135.	1.8	6
1458	Impact of injection rate ramp-up on nucleation and arrest of dynamic fault slip. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, .	1.3	13
1460	Testing Earthquake Nucleation Length Scale with Pawnee Aftershocks. <i>Seismological Research Letters</i> , 2022, 93, 2147-2160.	0.8	1
1461	Complex in situ stress states in a deep shale gas reservoir in the southern Sichuan Basin, China: From field stress measurements to in situ stress modeling. <i>Marine and Petroleum Geology</i> , 2022, 141, 105702.	1.5	16
1462	Slip Characteristics of Induced Earthquakes: Insights From the 2015 Mw 4.0 Guthrie, Oklahoma Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	9
1463	In situ dynamic X-ray imaging of fluid-rock interactions inside tight sandstone during hydraulic fracturing: fluid flow process and fracture network growth. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110490.	2.1	3
1464	Fluctuation of fracturing curves indicates in-situ brittleness and reservoir fracturing characteristics in unconventional energy exploitation. <i>Energy</i> , 2022, 252, 124043.	4.5	10
1465	Does Unconventional Energy Extraction Generate More Wastewater? A Lifetime Perspective. <i>Ecological Economics</i> , 2022, 197, 107436.	2.9	0

#	ARTICLE	IF	CITATIONS
1467	The Frictional Restrengthening and Permeability Evolution of Slipping Shale Fractures During Seismic Cycles. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 1791-1805.	2.6	6
1468	Source Geometry and Causes of the 2019 Ms6.0 Changning Earthquake in Sichuan, China Based on InSAR. <i>Remote Sensing</i> , 2022, 14, 2082.	1.8	5
1469	Earthquake hazard and risk analysis for natural and induced seismicity: towards objective assessments in the face of uncertainty. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 2825-3069.	2.3	23
1470	Modeling of Navier-Stokes flow through sheared rough-walled granite fractures split after thermal treatment. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, 1.	1.3	3
1471	Monitoring the Microseismicity through a Dense Seismic Array and a Similarity Search Detection Technique: Application to the Seismic Monitoring of Collalto Gas-Storage, North Italy. <i>Energies</i> , 2022, 15, 3504.	1.6	4
1472	Spatiotemporal Clustering of Seismicity in the Kiskatinaw Seismic Monitoring and Mitigation Area. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	3
1473	Assessing Exposure to Unconventional Oil and Gas Development: Strengths, Challenges, and Implications for Epidemiologic Research. <i>Current Environmental Health Reports</i> , 2022, 9, 436-450.	3.2	12
1474	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
1475	Does etiology matter? Exploring attitudes towards tornado and earthquake hazards. <i>International Journal of Disaster Risk Reduction</i> , 2022, 76, 103005.	1.8	2
1476	Physical factors controlling the diverse seismogenic behavior of fluid injections in Western Canada. <i>Earth and Planetary Science Letters</i> , 2022, 589, 117555.	1.8	6
1477	Isotopic characteristics of the excess hydraulic fracturing flowback fluid in tight oil reservoir: Implication for source, composition, and flowback stage division. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110545.	2.1	0
1478	Cost analysis of wastewater production from conventional and unconventional oil and gas wells. <i>Fuel</i> , 2022, 323, 124222.	3.4	4
1479	The 2014 Zigu Earthquake Sequence near the Three Gorges Dam in China. <i>Seismological Research Letters</i> , 2022, 93, 2038-2047.	0.8	1
1480	Monitoring microseismicity of the Hengill Geothermal Field in Iceland. <i>Scientific Data</i> , 2022, 9, 220.	2.4	9
1481	CO2 Geological Storage. , 2022, , 1531-1584.		2
1482	Dissolved organic matter within oil and gas associated wastewaters from U.S. unconventional petroleum plays: Comparisons and consequences for disposal and reuse. <i>Science of the Total Environment</i> , 2022, 838, 156331.	3.9	4
1483	Factors influencing public beliefs regarding the cause of induced earthquakes. <i>Natural Hazards</i> , 0, , .	1.6	0
1484	Forecasting induced seismicity in Oklahoma using machine learning methods. <i>Scientific Reports</i> , 2022, 12, .	1.6	10

#	ARTICLE	IF	CITATIONS
1485	In situ stress field in the Athabasca oil sands deposits: Field measurement, stress-field modeling, and engineering implications. <i>Journal of Petroleum Science and Engineering</i> , 2022, 215, 110671.	2.1	4
1486	Experimental study on the mechanism of coupled dynamic–static fracturing on damage evolution and crack propagation in tight shale. <i>Energy Reports</i> , 2022, 8, 7037-7062.	2.5	7
1488	Multiple induced seismicity mechanisms at Castor underground gas storage illustrate the need for thorough monitoring. <i>Nature Communications</i> , 2022, 13, .	5.8	7
1489	Fracture Activation and Induced Seismicity During Long-Term Heat Production in Fractured Geothermal Reservoirs. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 5235-5258.	2.6	10
1490	Geomechanics of Geological Carbon Sequestration. , 0, , .		1
1491	Impact of Tohoku-Oki 3.11 M9.0 Earthquake on the Fault Slip Potential of the Active Quaternary Faults in Beijing City: New Insights from In Situ Stress Monitoring Data. <i>Sensors</i> , 2022, 22, 4888.	2.1	1
1492	Source Characteristics of the Shallow 2019 Ms6.0 Changning, China, Earthquake Sequence in the Salt Mining Area. <i>Seismological Research Letters</i> , 2022, 93, 2599-2611.	0.8	5
1493	Seasonal Variations in the b-Value of the Reservoir-Triggered Seismicity in the Koyna–Warna Region, Western India. <i>Izvestiya, Physics of the Solid Earth</i> , 2022, 58, 364-378.	0.2	2
1494	Fault slip potential induced by fluid injection in the Matouying enhanced geothermal system (EGS) field, Tangshan seismic region, North China. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 2257-2287.	1.5	4
1495	Distinguishing Unique Earthquakes with Overlapping Signals in Oklahoma. <i>Seismological Research Letters</i> , 0, , .	0.8	0
1496	MCMTpy: A Python Package for Source Parameters Inversion Based on Cut-and-Paste Algorithm and Markov Chain Monte Carlo. <i>Seismological Research Letters</i> , 0, , .	0.8	1
1497	Variations in seismic parameters for the earthquakes during loading and unloading periods in the Three Gorges Reservoir area. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1498	Effect of linguistic framing and information provision on attitudes towards induced seismicity and seismicity regulation. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
1499	Intelligent Petroleum Engineering. <i>Engineering</i> , 2022, 18, 27-32.	3.2	4
1500	Potential Seismicity Along Basement Faults Induced by Geological Carbon Sequestration. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
1501	Statistical investigation of reservoir-induced seismic events in mid-Zambezi basin and risk assessment of seismically triggered Kariba Dam failure. <i>Journal of Seismology</i> , 0, , .	0.6	1
1502	A critical review on deployment planning and risk analysis of carbon capture, utilization, and storage (CCUS) toward carbon neutrality. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112537.	8.2	176
1503	A Shale Gas Leaking Incident in Fuling Shale Gas Field in Chongqing, China: A Case Study. <i>Energies</i> , 2022, 15, 5261.	1.6	0



#	ARTICLE	IF	CITATIONS
1504	Seismicity Induced by the Development of Unconventional Oil and Gas Resources. , 2022, , 173-213.		0
1505	Naturally Occurring Radioactive Material (NORM). , 2022, , 214-245.		0
1506	Water Usage and Management. , 2022, , 150-172.		0
1507	Short-term forecasting of Mmax during hydraulic fracturing. Scientific Reports, 2022, 12, .	1.6	2
1508	Basement Fault Activation before Larger Earthquakes in Oklahoma and Kansas. The Seismic Record, 2022, 2, 197-206.	1.3	11
1509	Fluid migration in low-permeability faults driven by decoupling of fault slip and opening. Nature Geoscience, 2022, 15, 747-751.	5.4	18
1510	A review of tidal triggering of global earthquakes. Geodesy and Geodynamics, 2023, 14, 35-42.	1.0	8
1511	An overview of geological carbon sequestration and its geomechanical aspects. Geological Society Special Publication, 2023, 528, 61-72.	0.8	2
1512	Time-lapse monitoring of saltwater disposal in Kansas and Oklahoma using ambient noise. , 2022, , .		0
1513	A Spectral Boundaryâ€Integral Method for Faults and Fractures in a Poroelastic Solid: Simulations of a Rateâ€andâ€State Fault With Dilatancy, Compaction, and Fluid Injection. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	8
1514	The Role of Background Stress State in Fluidâ€Induced Aseismic Slip and Dynamic Rupture on a 3â€m Laboratory Fault. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	8
1515	Structural characteristics of shallow faults in the Delaware Basin. Interpretation, 2022, 10, T807-T835.	0.5	8
1516	The Muyakan Earthquake Sequence in the North Muya Region of the Baikal Rift Zone: Detailed Analysis and Possible Reasons. Pure and Applied Geophysics, 2022, 179, 3157-3175.	0.8	2
1517	Seismotectonics of Mongolia and Baikal Rift Zone Controlled by Lithospheric Structures. Geophysical Research Letters, 2022, 49, .	1.5	8
1518	Spatiotemporal evolution of seismicity during the cyclic operation of the Hutubi underground gas storage, Xinjiang, China. Scientific Reports, 2022, 12, .	1.6	2
1519	Short- and Long-Term Responses of Reservoir Rock Induced by CO2 Injection. Rock Mechanics and Rock Engineering, 2022, 55, 6605-6625.	2.6	3
1520	Stress Heterogeneity as a Driver of Aseismic Slip During the 2011 Prague, Oklahoma Aftershock Sequence. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
1521	Disaster Microbiologyâ€”a New Field of Study. MBio, 2022, 13, .	1.8	11

#	ARTICLE	IF	CITATIONS
1522	Stress Variations in the Delaware Basin from Shear-Wave Splitting Analysis. <i>Seismological Research Letters</i> , 2022, 93, 3433-3443.	0.8	1
1523	Hydro-mechanical earthquake cycles in a poro-visco-elasto-plastic fluid-bearing fault structure. <i>Tectonophysics</i> , 2022, 838, 229516.	0.9	9
1524	Numerical study on the induced seismicity through hydraulic fracturing in the deep heat mining project in Basel, Switzerland using a pseudo dynamic model and considering fully hydro-mechanical coupling. <i>Geothermics</i> , 2022, 105, 102538.	1.5	0
1525	Boron removal from synthetic brines and oilfield produced waters using aluminum electrocoagulation. <i>Science of the Total Environment</i> , 2022, 848, 157733.	3.9	7
1526	Seismological and InSAR based investigations to characterise earthquake swarms in Jamnagar, Gujarat, India – An active intraplate region. <i>Journal of Asian Earth Sciences: X</i> , 2022, 8, 100118.	0.6	0
1527	Earth's gradients as the engine of plate tectonics and earthquakes. <i>Rivista Del Nuovo Cimento</i> , 0, , .	2.0	2
1528	Optimization-based technoeconomic comparison of multi-stage membrane distillation configurations for hypersaline produced water desalination. <i>Desalination</i> , 2022, 543, 116098.	4.0	2
1529	A Project Lifetime Approach to the Management of Induced Seismicity Risk at Geologic Carbon Storage Sites. <i>Seismological Research Letters</i> , 2023, 94, 113-122.	0.8	3
1530	Stress State Change and Fault-Slip Tendency Assessment Associated with Gas Injection and Extraction in the Hutubi (China) Underground Gas Storage. <i>SPE Journal</i> , 2022, , 1-16.	1.7	2
1531	Behavior of Tidally Triggered Earthquakes Depends on Fluid Conditions. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 2890-2901.	1.1	6
1532	Hydromechanical impact of basement rock on injection-induced seismicity in Illinois Basin. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
1533	Long-Term Fluid Injection Can Expedite Fault Reactivation and Development: Riedel Shear Structures Illuminated by Induced Earthquakes in Alberta, Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	7
1534	Safety and Technical Feasibility of Sustainable Reuse of Shale Gas Flowback and Produced Water after Advanced Treatment Aimed at Wheat Irrigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 12540-12551.	3.2	6
1535	Shape Dynamic Time Warping for Seismic Waveform Inversion. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 2915-2932.	1.1	2
1536	Small Seismic Events in Oklahoma Detected and Located by Machine Learning-Based Models. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 2859-2869.	1.1	4
1537	Adapting Petroleum Reservoir Engineering Principles to Carbon Capture & Sequestration (CCS) and Hydrogen Underground Storage (HUS) Projects: Opportunities and Challenges. , 2022, , .		0
1538	Inferring fluid volume during earthquake swarms using seismic catalogues. <i>Geophysical Journal International</i> , 2022, 232, 829-841.	1.0	4
1539	Analysis of fault slip potential of active faults in Tangshan seismic region after the Tohoku-Oki 3.11 M9.0 earthquake based on in situ stress monitoring data. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	0

#	ARTICLE	IF	CITATIONS
1540	Frictional stability of Longmaxi shale gouges and its implication for deep seismic potential in the southeastern Sichuan Basin. , 2022, 1, 3-14.		16
1541	Consequences of "natural" disasters on aquatic life and habitats. Environmental Reviews, 2023, 31, 122-140.	2.1	3
1542	Underground energy-related product storage and sequestration: site characterization, risk analysis, and monitoring. Geological Society Special Publication, 2023, 528, .	0.8	7
1543	Shannon Entropy Analysis of Reservoir-Triggered Seismicity at Song Tranh 2 Hydropower Plant, Vietnam. Applied Sciences (Switzerland), 2022, 12, 8873.	1.3	4
1544	Fluid injection-induced fault slip during unconventional energy development: A review. , 2022, 1, 100007.		12
1545	Analysis of the Hydrogeological Conditions Affecting Fault Response to Nearby Hydraulic Fracturing. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
1546	Towards fast machine-learning-assisted Bayesian posterior inference of microseismic event location and source mechanism. Geophysical Journal International, 2022, 232, 1219-1235.	1.0	2
1547	Evolution of Near-Well Damage Caused by Fluid Injection through Perforations in Wellbores in Low-Permeability Reservoirs: A Case Study in a Shale Oil Reservoir. Lithosphere, 2022, 2022, .	0.6	3
1548	Assessment of the Earthquake Risk Posed by Shale Gas Development in South Africa. , 2022, , 343-360.		0
1549	Influence of Fault Architecture on Induced Earthquake Sequence Evolution Revealed by High-Resolution Focal Mechanism Solutions. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	4
1550	The air quality impacts of pre-operational hydraulic fracturing activities. Science of the Total Environment, 2023, 858, 159702.	3.9	4
1551	Traveltime-based microseismic event location using artificial neural network. Frontiers in Earth Science, 0, 10, .	0.8	5
1553	An overview of underground energy-related product storage and sequestration. Geological Society Special Publication, 2023, 528, 15-35.	0.8	5
1554	Seismic velocity changes in the Groningen reservoir associated with distant drilling. Scientific Reports, 2022, 12, .	1.6	1
1555	Transient evolution of the relative size distribution of earthquakes as a risk indicator for induced seismicity. Communications Earth & Environment, 2022, 3, .	2.6	2
1556	<scp>PEG</scp> -based polymer coated proppants in supercritical <scp> CO <sub>2</sub> </scp> : A new approach in current fracturing protocols. Journal of Applied Polymer Science, 0, , .	1.3	1
1557	A Method for Accurate Measuring the Tensile Strength of Single Rock Grain Interface. Rock Mechanics and Rock Engineering, 0, , .	2.6	1
1558	Spatio-temporal variations of shallow seismic velocity changes in Salton Sea Geothermal Field, California in response to large regional earthquakes and long-term geothermal activities. Earthquake Research Advances, 2022, , 100178.	1.0	2

#	ARTICLE	IF	CITATIONS
1559	On the documentation, independence, and stability of widely used seismological data products. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
1560	Recognizing societal influences in earthquake geohazard risk perception with explainable AI while mitigating risks through improved seismic interpretation. <i>The Leading Edge</i> , 2022, 41, 756-767.	0.4	2
1561	Mapping and characterizing land deformation during 2007â€“2011 over the Gulf Coast by L-band InSAR. <i>Remote Sensing of Environment</i> , 2023, 284, 113342.	4.6	8
1562	Hydraulic Stimulation of Geothermal Reservoirs: Numerical Simulation of Induced Seismicity and Thermal Decline. <i>Water (Switzerland)</i> , 2022, 14, 3697.	1.2	4
1563	Assessment of ground deformation and seismicity in two areas of intense hydrocarbon production in the Argentinian Patagonia. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1564	Hindcasting injection-induced aseismic slip and microseismicity at the Cooper Basin Enhanced Geothermal Systems Project. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1565	Fault Zone Imaging With Distributed Acoustic Sensing: Bodyâ€“toâ€“Surface Wave Scattering. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
1566	A Seismic Fragility Framework for Earth Dams. , 2022, , .		2
1567	Porosity Evolution in Rate and State Friction. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
1568	Experimental study of fatigue load effect on the hydraulic fracturing behavior of granite. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2023, 46, 540-554.	1.7	5
1569	The Impact of Shale Energy on Population Dynamics, Labor Migration, and Employment. <i>Energies</i> , 2022, 15, 8628.	1.6	0
1570	Exploitation of energy geo-resources and their impacts on the environment. <i>EPJ Web of Conferences</i> , 2022, 268, 00015.	0.1	0
1571	Introducing the Hampton Roads Seismic Network: Minimizing the Risk of Injection-Induced Seismicity in Virginia. , 2022, , .		1
1572	Utilizing Numerical Simulation to Understand the Implications of Injection-Induced Seismicity for Managed Aquifer Recharge in Coastal Virginia. , 2022, , .		1
1573	Hydraulic stimulation strategies in enhanced geothermal systems (EGS): a review. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, .	1.3	8
1574	Insights from Dynamically Triggered and Induced Earthquakes in Oklahoma. <i>Seismological Research Letters</i> , 0, , .	0.8	0
1575	A physics-informed optimization workflow to manage injection while constraining induced seismicity: The Oklahoma case. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
1576	Prevalence of Aseismic Slip Linking Fluid Injection to Natural and Anthropogenic Seismic Swarms. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	11

#	ARTICLE	IF	CITATIONS
1577	Experimental study of fracture slip due to stress perturbation in fractured geo-resources. <i>Geomechanics for Energy and the Environment</i> , 2022, , 100423.	1.2	0
1578	Permeability evolution during pressure-controlled shear slip in saw-cut and natural granite fractures. , 2023, 2, 100027.		16
1579	Hydro-mechanical coupling characteristics and weakening mechanisms of filling joint resulting from water injection. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
1580	Fighting misinformation in seismology: Expert opinion on earthquake facts vs. fiction. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	5
1581	Interdependent effects of fluid injection parameters on triggered aseismic slip and seismicity. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
1583	Transition From Slow to Fast Injectionâ€”Induced Slip of an Experimental Fault in Granite Promoted by Elevated Temperature. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
1584	Highâ€”Rate Fluid Injection Reduces the Nucleation Length of Laboratory Earthquakes on Critically Stressed Faults in Granite. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	13
1585	Geomechanical challenges during geological CO2 storage: A review. <i>Chemical Engineering Journal</i> , 2023, 456, 140968.	6.6	21
1586	An Ensemble Approach to Characterizing Trailing-Induced Seismicity. <i>Seismological Research Letters</i> , 2023, 94, 699-707.	0.8	3
1587	Fault and Fluid Interaction during the 2012 Emilia (Northern Italy) Seismic Sequence. <i>Seismological Research Letters</i> , 2023, 94, 671-684.	0.8	2
1588	Rupture Process of the 2017 Mw5.5 Pohang, South Korea, Earthquake via an Empirical Greenâ€™s Function Method. <i>Bulletin of the Seismological Society of America</i> , 2023, 113, 592-603.	1.1	2
1589	A synthetical geoengineering approach to evaluate the largest hydraulic fracturing-induced earthquake in the East Shale Basin, Alberta. <i>Petroleum Science</i> , 2023, 20, 460-473.	2.4	5
1590	Laboratory Study on Fluid-Induced Fracture Slip and Permeability Evolution in Marble Fractures. <i>Rock Mechanics and Rock Engineering</i> , 2023, 56, 2497-2513.	2.6	1
1591	Quantitative Evaluation of the Competing Effects of Wastewater Disposal and Hydraulic Fracturing on Causing Induced Earthquakes: A Case Study of an M3.1 Earthquake Sequence in Western Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
1592	Detailed Imaging of a Seismogenic Fault That Potentially Induced the Two 2019 Weiyuan Moderate Earthquakes in the Sichuan Basin, China. <i>Seismological Research Letters</i> , 0, , .	0.8	1
1593	Anisotropic Poroelastic Modelling of Depletion-Induced Pore Pressure Changes in Valhall Overburden. <i>Rock Mechanics and Rock Engineering</i> , 0, , .	2.6	2
1594	Subsurface carbon dioxide and hydrogen storage for a sustainable energy future. <i>Nature Reviews Earth &amp; Environment</i> , 2023, 4, 102-118.	12.2	69
1595	Enhanced 3D velocity structure, seismicity relocation and basement characterization of Changning shale gas and salt mining regions in southern Sichuan basin. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2

#	ARTICLE	IF	CITATIONS
1596	Time Domain Source Parameter Estimation of Natural and Man-Induced Microearthquakes at the Geysers Geothermal Field. <i>Energies</i> , 2023, 16, 1121.	1.6	3
1597	Evaluation of the Fault Activation Risk Induced by Hot Dry Rock Reservoir Development Based on Thermalâ€“Hydraulicâ€“Mechanical Coupling. <i>ACS Omega</i> , 2023, 8, 8078-8091.	1.6	0
1598	Review of industry response to an earthquake in a large natural gas field: Raton Basin, Colorado. , 2023, , .		0
1599	Water seepage characteristics in porous media with various conduits: Insights from a multi-scale Darcy-Brinkman-Stokes approach. <i>Computers and Geotechnics</i> , 2023, 157, 105317.	2.3	3
1600	Induced seismicity in Kansas: Events and responses. , 2023, , .		0
1602	Induced Seismicity by Groundwater Extraction at the Dead Sea Fault, Jordan. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	3
1603	Fault Weakening During Short Seismic Slip Pulse Experiments: The Role of Pressurized Water and Implications for Induced Earthquakes in the Groningen Gas Field. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	1
1604	Injection-Induced Aseismic Slip in Tight Fractured Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2023, 56, 7027-7048.	2.6	2
1605	Nucleation and Arrest of Fluidâ€“Induced Aseismic Slip. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	5
1606	Frictional stability and permeability evolution of fractures subjected to repeated cycles of heating-and-quenching: granites from the Gonghe Basin, northwest China. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2023, 9, .	1.3	2
1607	Numerical Simulation and Characterization of the Hydromechanical Alterations at the Zafarraya Fault Due to the 1884 Andalusia Earthquake (Spain). <i>Water (Switzerland)</i> , 2023, 15, 850.	1.2	1
1608	Using Dark Fiber and Distributed Acoustic Sensing to Characterize a Geothermal System in the Imperial Valley, Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	3
1609	High-Resolution Shear-Wave Velocity Structure of the 2019 MsÂˆ6.0 Changning Earthquake Region and Its Implication for Induced Seismicity. <i>Seismological Research Letters</i> , 0, , .	0.8	0
1610	Seismicity induced by geological CO2 storage: A review. <i>Earth-Science Reviews</i> , 2023, 239, 104369.	4.0	7
1611	Lighting Up a 1Âˆkm Fault near a Hydraulic Fracturing Well Using a Machine Learning-Based Picker. <i>Seismological Research Letters</i> , 0, , .	0.8	1
1612	An experimental study of fault slips under unloading condition in coal mines. <i>Bulletin of Engineering Geology and the Environment</i> , 2023, 82, .	1.6	0
1613	Multi-Disciplinary Monitoring Networks for Mesoscale Underground Experiments: Advances in the Bedretto Reservoir Project. <i>Sensors</i> , 2023, 23, 3315.	2.1	3
1614	Association Between Injection and Microseismicity in Geothermal Fields With Multiple Wells: Dataâ€“Driven Modeling of Rotokawa, New Zealand, and HÃˆsmÃˆli, Iceland. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	8

#	ARTICLE	IF	CITATIONS
1615	Disposal From In Situ Bitumen Recovery Induced the <i>M<sub>L</sub></i> 5.6 Peace River Earthquake. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	11
1616	New insights on Moho depth and regional lithospheric structure of central Oklahoma based on receiver function analysis from dense seismic networks. <i>Tectonophysics</i> , 2023, 854, 229818.	0.9	0
1617	Microseismic Monitoring Technology Developments and Prospects in CCUS Injection Engineering. <i>Energies</i> , 2023, 16, 3101.	1.6	0
1618	Dynamics of fluid-driven fractures in the viscous-dominated regime. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2023, 479, .	1.0	0
1619	Statistical and clustering analysis of microseismicity from a Saskatchewan potash mine. <i>Frontiers in Applied Mathematics and Statistics</i> , 0, 9, .	0.7	2
1620	Influence of Viscous Lubricant on Nucleation and Propagation of Frictional Ruptures. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
1621	Advances in experiments and numerical simulations on the effects of stress perturbations on fault slip. <i>Earthquake Research Advances</i> , 2023, 3, 100220.	1.0	0
1622	Poroelastic stress relaxation, slip stress transfer and friction weakening controlled post-injection seismicity at the Basel Enhanced Geothermal System. <i>Communications Earth &amp; Environment</i> , 2023, 4, .	2.6	5
1623	Constraints on upper crustal fluid circulation and seismogenesis from in-situ outcrop quantification of complex fault zone permeability. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
1624	Source mechanisms and induced seismicity in the Val d'Agri Basin (Italy). <i>Geophysical Journal International</i> , 2023, 234, 1617-1627.	1.0	1
1625	Recommended Practice for Determining the Maximum Surface Injection Pressure for Saltwater Disposal Wells. , 2023, , .		0
1626	Rate and State Simulation of Two Experiments With Pore Fluid Injection Under Creep Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	1
1631	The TexNet-CISR collaboration and steps toward understanding induced seismicity in Texas. , 2023, , .		0
1633	Oklahoma's coordinated response to more than a decade of elevated seismicity. , 2023, , 15-25.		1
1642	Role of the Hydromechanical Properties of Fault on Fluid Injection-Induced Seismicity with Rate-And-State Dependent Friction Model. , 2023, , .		0
1688	Hydraulic Fracturing Induced Fault Reactivation. , 2023, , 207-235.		0
1696	Water-Rock Interactions in Rock Fractures. , 2023, , 25-47.		0
1699	Analysis of Fluid-Injection-Induced Seismicity Using Dynamic Sliding Model with Rate-And State-Dependent Friction Law. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1701	Hydrocarbon Production Induced Land Deformation Over Delaware Basin, Analysed Using Persistent Scatterer Interferometry. , 2023, , .		0
1709	The physical mechanisms of induced earthquakes. Nature Reviews Earth & Environment, 2023, 4, 847-863.	12.2	1
1715	The Impact of Lake-Level Fluctuation on Earthquake Recurrence Interval over Historical and Prehistorical Timescales: The Case of the Dead Sea. , 0, , .		0
1719	Ground Subsidence. , 2023, , 177-190.		0
1755	Well integrity for underground gas storage relating to natural gas, carbon dioxide, and hydrogen. , 2024, , 551-576.		0