

Ryan Schultz

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,052
citations

279487

23
h-index

360668

35
g-index

37
all docs

37
docs citations

37
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydraulic Fracturing and Seismicity in the Western Canada Sedimentary Basin. <i>Seismological Research Letters</i> , 2016, 87, 631-647.	0.8	329
2	Hydraulic Fracturing-Induced Seismicity. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000695.	9.0	202
3	Hydraulic fracturing volume is associated with induced earthquake productivity in the Duvernay play. <i>Science</i> , 2018, 359, 304-308.	6.0	181
4	A seismological overview of the induced earthquakes in the Duvernay play near Fox Creek, Alberta. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 492-505.	1.4	134
5	Hydraulic fracturing and the Crooked Lake Sequences: Insights gleaned from regional seismic networks. <i>Geophysical Research Letters</i> , 2015, 42, 2750-2758.	1.5	104
6	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
7	Increased likelihood of induced seismicity in highly overpressured shale formations. <i>Geophysical Journal International</i> , 2018, 214, 751-757.	1.0	82
8	The Geological Susceptibility of Induced Earthquakes in the Duvernay Play. <i>Geophysical Research Letters</i> , 2018, 45, 1786-1793.	1.5	78
9	Fluid Injection and Seismic Activity in the Northern Montney Play, British Columbia, Canada, with Special Reference to the 17 August 2015 $M_w 4.6$ Induced Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 542-552.	1.1	74
10	Linking fossil reefs with earthquakes: Geologic insight to where induced seismicity occurs in Alberta. <i>Geophysical Research Letters</i> , 2016, 43, 2534-2542.	1.5	67
11	The Cardston Earthquake Swarm and Hydraulic Fracturing of the Exshaw Formation (Alberta Bakken) Tj ETQq1 1 0.784314 rgBT /Overdo	1.1	61
12	Source analysis of a potential hydraulic fracturing-induced earthquake near Fox Creek, Alberta. <i>Geophysical Research Letters</i> , 2016, 43, 564-573.	1.5	60
13	Faults and Non-Double-Couple Components for Induced Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 8966-8975.	1.5	54
14	Newly emerging cases of hydraulic fracturing induced seismicity in the Duvernay East Shale Basin. <i>Tectonophysics</i> , 2020, 779, 228393.	0.9	52
15	Source characteristics and geological implications of the January 2016 induced earthquake swarm near Crooked Lake, Alberta. <i>Geophysical Journal International</i> , 2017, 210, 979-988.	1.0	48
16	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
17	Tracking slabs beneath northwestern Pacific subduction zones. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 269-280.	1.8	42
18	Detection Threshold and Location Resolution of the Alberta Geological Survey Earthquake Catalogue. <i>Seismological Research Letters</i> , 2015, 86, 385-397.	0.8	41

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19	Low-Magnitude Seismicity With a Downhole Distributed Acoustic Sensing Array—Examples From the FORGE Geothermal Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	32
20	Mantle reflectivity structure beneath oceanic hotspots. <i>Geophysical Journal International</i> , 2009, 178, 1456-1472.	1.0	30
21	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
22	Frictional Stabilities on Induced Earthquake Fault Planes at Fox Creek, Alberta: A Pore Fluid Pressure Dilemma. <i>Geophysical Research Letters</i> , 2019, 46, 8753-8762.	1.5	26
23	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
24	A risk-based approach for managing hydraulic fracturing—induced seismicity. <i>Science</i> , 2021, 372, 504-507.	6.0	24
25	Sequential Fault Reactivation and Secondary Triggering in the March 2019 Red Deer Induced Earthquake Swarm. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090219.	1.5	19
26	Flexible, inversion-based Matlab implementation of the Radon transform. <i>Computers and Geosciences</i> , 2013, 52, 437-442.	2.0	18
27	Subsurface faults inferred from reflection seismic, earthquakes, and sedimentological relationships: Implications for induced seismicity in Alberta, Canada. <i>Marine and Petroleum Geology</i> , 2018, 93, 135-144.	1.5	18
28	Statistical bounds on how induced seismicity stops. <i>Scientific Reports</i> , 2022, 12, 1184.	1.6	17
29	Multiresolution imaging of mantle reflectivity structure using SS and P'P' precursors. <i>Geophysical Journal International</i> , 2013, 195, 668-683.	1.0	13
30	Lateral fluid propagation and strike slip fault reactivation related to hydraulic fracturing and induced seismicity in the Duvernay Formation, Fox Creek area, Alberta. <i>Geophysical Journal International</i> , 2021, 227, 518-543.	1.0	12
31	The Cross-Correlation and Reshuffling Tests in Discerning Induced Seismicity. <i>Pure and Applied Geophysics</i> , 2018, 175, 3395-3401.	0.8	11
32	A Strategy for Choosing Red-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
33	Complex 3D Migration and Delayed Triggering of Hydraulic Fracturing—Induced Seismicity: A Case Study Near Fox Creek, Alberta. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
34	A New Year's Day icebreaker: icequakes on lakes in Alberta, Canada. <i>Canadian Journal of Earth Sciences</i> , 2019, 56, 183-200.	0.6	8
35	Quantifying nuisance ground motion thresholds for induced earthquakes. <i>Earthquake Spectra</i> , 2021, 37, 789-802.	1.6	7