

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 | Statistical bounds on how induced seismicity stops. <i>Scientific Reports</i> , 2022, 12, 1184. | 1.6 | 17 |
| 2 | 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 |
| 3 | 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 |
| 4 | A risk-based approach for managing hydraulic fracturing-induced seismicity. <i>Science</i> , 2021, 372, 504-507. | 6.0 | 24 |
| 5 | 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 |
| 6 | Quantifying nuisance ground motion thresholds for induced earthquakes. <i>Earthquake Spectra</i> , 2021, 37, 789-802. | 1.6 | 7 |
| 7 | 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 |
| 8 | 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 |
| 9 | Hydraulic Fracturing-Induced Seismicity. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000695. | 9.0 | 202 |
| 10 | 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 |
| 11 | Newly emerging cases of hydraulic fracturing induced seismicity in the Duvernay East Shale Basin. <i>Tectonophysics</i> , 2020, 779, 228393. | 0.9 | 52 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | The Geological Susceptibility of Induced Earthquakes in the Duvernay Play. <i>Geophysical Research Letters</i> , 2018, 45, 1786-1793. | 1.5 | 78 |
| 16 | Hydraulic fracturing volume is associated with induced earthquake productivity in the Duvernay play. <i>Science</i> , 2018, 359, 304-308. | 6.0 | 181 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Increased likelihood of induced seismicity in highly overpressured shale formations. <i>Geophysical Journal International</i> , 2018, 214, 751-757. | 1.0 | 82 |
| 20 | The Cross-Correlation and Reshuffling Tests in Discerning Induced Seismicity. <i>Pure and Applied Geophysics</i> , 2018, 175, 3395-3401. | 0.8 | 11 |
| 21 | Faults and Non-Double-Couple Components for Induced Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 8966-8975. | 1.5 | 54 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Hydraulic Fracturing and Seismicity in the Western Canada Sedimentary Basin. <i>Seismological Research Letters</i> , 2016, 87, 631-647. | 0.8 | 329 |
| 26 | 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 |
| 27 | 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 |
| 28 | The Cardston Earthquake Swarm and Hydraulic Fracturing of the Exshaw Formation (Alberta Bakken) <small>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</small> | 1.1 | 61 |
| 29 | 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 |
| 30 | Detection Threshold and Location Resolution of the Alberta Geological Survey Earthquake Catalogue. <i>Seismological Research Letters</i> , 2015, 86, 385-397. | 0.8 | 41 |
| 31 | An investigation of seismicity clustered near the Cordel 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 |
| 32 | Flexible, inversion-based Matlab implementation of the Radon transform. <i>Computers and Geosciences</i> , 2013, 52, 437-442. | 2.0 | 18 |
| 33 | Multiresolution imaging of mantle reflectivity structure using SS and P'P' precursors. <i>Geophysical Journal International</i> , 2013, 195, 668-683. | 1.0 | 13 |
| 34 | Tracking slabs beneath northwestern Pacific subduction zones. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 269-280. | 1.8 | 42 |
| 35 | Mantle reflectivity structure beneath oceanic hotspots. <i>Geophysical Journal International</i> , 2009, 178, 1456-1472. | 1.0 | 30 |