Heather DeShon

List of Publications by Year
in descending order

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41 papers	2,543 citations	394421 19 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	2261 citing authors

#	Article	IF	Citations
1	Stress Drop Variations of Induced Earthquakes near the Dallasâ€“Fort Worth Airport, Texas. The Seismic Record, 2022, 2, 68-77.	3.1	3
2	Pore Pressure Threshold and Fault Slip Potential for Induced Earthquakes in the Dallasâ€Fort Worth Area of North Central Texas. Geophysical Research Letters, 2021, 48, e2021GL093564.	4.0	20
3	Onset and Cause of Increased Seismic Activity Near Pecos, West Texas, United States, From Observations at the Lajitas TXAR Seismic Array. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017737.	3.4	31
4	Spectral Characteristics of Ground Motion from Induced Earthquakes in the Fort Worth Basin, Texas, Using the Generalized Inversion Technique. Bulletin of the Seismological Society of America, 2020, 110, 2058-2076.	2.3	15
5	Introduction to the Special Section on Observations, Mechanisms, and Hazards of Induced Seismicity. Bulletin of the Seismological Society of America, 2020, 110, 1999-2004.	2.3	1
6	Structural characterization of potentially seismogenic faults in the Fort Worth Basin. Interpretation, 2020, 8, T323-T347.	1.1	17
7	Resolving Teleseismic Earthquake Catalog and InSAR Data Discrepancies in Absolute Space to Explore Rupture Complexity Along the Ecuadorian Megathrust Fault. Journal of Geophysical Research: Solid Earth, 2019, 124, 6703-6719.	3.4	5
8	Summary of the North Texas Earthquake Study Seismic Networks, 2013â€“2018. Seismological Research Letters, 2019, 90, 387-394.	1.9	13
9	Injectionâ€Induced Seismicity and Faultâ€Slip Potential in the Fort Worth Basin, Texas. Bulletin of the Seismological Society of America, 2019, 109, 1615-1634.	2.3	52
10	Constraining the Oceanic Lithosphere Seismogenic Zone Using Teleseismic Relocations of the 2012 Wharton Basin Great Earthquake Sequence. Journal of Geophysical Research: Solid Earth, 2019, 124, 11938-11950.	3.4	4
11	High Rates of Inflation During a Noneruptive Episode of Seismic Unrest at Semisopochnoi Volcano, Alaska in 2014â€“2015. Geochemistry, Geophysics, Geosystems, 2019, 20, 6163-6186.	2.5	9
12	Tracking Induced Seismicity in the Fort Worth Basin: A Summary of the 2008â€“2018 North Texas Earthquake Study Catalog. Bulletin of the Seismological Society of America, 2019, 109, 1203-1216.	2.3	22
13	High-resolution seismic data regularization and wavefield separation. Geophysical Journal International, 2018, 213, 684-694.	2.4	2
14	The Dallasâ€Fort Worth Airport Earthquake Sequence: Seismicity Beyond Injection Period. Journal of Geophysical Research: Solid Earth, 2018, 123, 553-563.	3.4	53
15	Stress Orientations in the Fort Worth Basin, Texas, Determined from Earthquake Focal Mechanisms. Bulletin of the Seismological Society of America, 2018, 108, 1124-1132.	2.3	21
16	A Community Experiment to Record the Full Seismic Wavefield in Oklahoma. Seismological Research Letters, 2018, 89, 1923-1930.	1.9	28
17	A Decade of Induced Slip on the Causative Fault of the 2015 M_w 4.0 Venus Earthquake, Northeast Johnson County, Texas. Journal of Geophysical Research: Solid Earth, 2017, 122, 7879-7894.	3.4	46
18	Discriminating between natural versus induced seismicity from long-term deformation history of intraplate faults. Science Advances, 2017, 3, e1701593.	10.3	32

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19	A Historical Review of Induced Earthquakes in Texas. Seismological Research Letters, 2016, 87, 1022-1038.	1.9	129
20	Ellenburger wastewater injection and seismicity in North Texas. Physics of the Earth and Planetary Interiors, 2016, 261, 54-68.	1.9	90
21	Reply to â€œComment on â€˜A Historical Review of Induced Earthquakes in Texasâ€™ by Cliff Frohlich, Heather DeShon, Brian Stump, Chris Hayward, Matt Hornbach, and Jacob I. Walterâ€•by Steve Everley. Seismological Research Letters, 2016, 87, 1381-1383.	1.9	2
22	Causal factors for seismicity near Azle, Texas. Nature Communications, 2015, 6, 6728.	12.8	168
23	Highâ€resolution 3â€D P wave attenuation structure of the New Madrid Seismic Zone using local earthquake tomography. Journal of Geophysical Research: Solid Earth, 2014, 119, 409-424.	3.4	15
24	Mysterious Tremor-Like Signals Seen on the Reelfoot Fault, Northern Tennessee. Bulletin of the Seismological Society of America, 2014, 104, 2194-2205.	2.3	5
25	Integration of Arrival-Time Datasets for Consistent Quality Control: A Case Study of Amphibious Experiments along the Middle America Trench. Bulletin of the Seismological Society of America, 2013, 103, 2752-2766.	2.3	5
26	Imaging the New Madrid Seismic Zone using doubleâ€difference tomography. Journal of Geophysical Research: Solid Earth, 2013, 118, 5404-5416.	3.4	24
27	Alongâ€strike variability of rupture duration in subduction zone earthquakes. Journal of Geophysical Research: Solid Earth, 2013, 118, 646-664.	3.4	9
28	Microseismic Swarm Activity in the New Madrid Seismic Zone. Bulletin of the Seismological Society of America, 2012, 102, 1167-1178.	2.3	27
29	Mantle subducting slab structure in the region of the 2010 M8.8 Maule earthquake (30-40Â°S), Chile. Geophysical Journal International, 2012, 191, 317-324.	2.4	83
30	GPS and seismic constraints on the MÂ= 7.3 2009 Swan Islands earthquake: implications for stress changes along the Motagua fault and other nearby faults. Geophysical Journal International, 2012, 190, 1625-1639.	2.4	16
31	Intrusions and anomalous V_p/V_sratios associated with the New Madrid seismic zone. Journal of Geophysical Research, 2010, 115, .	3.3	27
32	Teleseismic doubleâ€difference relocation of earthquakes along the Sumatraâ€Andaman subduction zone using a 3â€D model. Journal of Geophysical Research, 2010, 115, .	3.3	114
33	Sharpening the tomographic image of the subducting slab below Sumatra, the Andaman Islands and Burma. Geophysical Journal International, 2010, , no-no.	2.4	30
34	Location of eruption-related earthquake clusters at Augustine Volcano, Alaska, using station-pair differential times. Geophysical Journal International, 2009, 176, 1017-1022.	2.4	7
35	Three-Dimensional P-Wave Velocity Structure and Precise Earthquake Relocation at Great Sitkin Volcano, Alaska. Bulletin of the Seismological Society of America, 2008, 98, 2428-2448.	2.3	18
36	Teleseismic Relocation and Assessment of Seismicity (1918-2005) in the Region of the 2004 Mw 9.0 Sumatra-Andaman and 2005 Mw 8.6 Nias Island Great Earthquakes. Bulletin of the Seismological Society of America, 2007, 97, S43-S61.	2.3	166

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37	Seismogenic zone structure beneath the Nicoya Peninsula, Costa Rica, from three-dimensional local earthquakeP- andS-wave tomography. Geophysical Journal International, 2006, 164, 109-124.	2.4	92
38	The Great Sumatra-Andaman Earthquake of 26 December 2004. Science, 2005, 308, 1127-1133.	12.6	981
39	Control of seafloor roughness on earthquake rupture behavior. Geology, 2003, 31, 455.	4.4	160
40	Stress-Drop Estimates for Induced Seismic Events in the Fort Worth Basin, Texas. Bulletin of the Seismological Society of America, 0, , .	2.3	1
41	Site Amplifications from Earthquake Data and VS30 in the Fort Worth Basin, Texas. Seismological Research Letters, 0, , .	1.9	0