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	The Great Sumatra-Andaman Earthquake of 26 December 2004. Science, 2005, 308, 1127-1133.	12.6	981
2	Causal factors for seismicity near Azle, Texas. Nature Communications, 2015, 6, 6728.	12.8	168
3	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
4	Control of seafloor roughness on earthquake rupture behavior. Geology, 2003, 31, 455.	4.4	160
5	A Historical Review of Induced Earthquakes in Texas. Seismological Research Letters, 2016, 87, 1022-1038.	1.9	129
6	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
7	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
8	Ellenburger wastewater injection and seismicity in North Texas. Physics of the Earth and Planetary Interiors, 2016, 261, 54-68.	1.9	90
9	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
10	The Dallasâ€Fort Worth Airport Earthquake Sequence: Seismicity Beyond Injection Period. Journal of Geophysical Research: Solid Earth, 2018, 123, 553-563.	3.4	53
11	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
12	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
13	Discriminating between natural versus induced seismicity from long-term deformation history of intraplate faults. Science Advances, 2017, 3, e1701593.	10.3	32
14	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
15	Sharpening the tomographic image of the subducting slab below Sumatra, the Andaman Islands and Burma. Geophysical Journal International, 2010, , no-no.	2.4	30
16	A Community Experiment to Record the Full Seismic Wavefield in Oklahoma. Seismological Research Letters, 2018, 89, 1923-1930.	1.9	28
17	Intrusions and anomalous V_p/V_sratios associated with the New Madrid seismic zone. Journal of Geophysical Research, 2010, 115, .	3.3	27
18	Microseismic Swarm Activity in the New Madrid Seismic Zone. Bulletin of the Seismological Society of America, 2012, 102, 1167-1178.	2.3	27

#	Article	IF	Citations
19	Imaging the New Madrid Seismic Zone using doubleâ€difference tomography. Journal of Geophysical Research: Solid Earth, 2013, 118, 5404-5416.	3.4	24
20	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
21	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
22	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
23	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
24	Structural characterization of potentially seismogenic faults in the Fort Worth Basin. Interpretation, 2020, 8, T323-T347.	1.1	17
25	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
26	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
27	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
28	Summary of the North Texas Earthquake Study Seismic Networks, 2013â€“2018. Seismological Research Letters, 2019, 90, 387-394.	1.9	13
29	Alongâ€strike variability of rupture duration in subduction zone earthquakes. Journal of Geophysical Research: Solid Earth, 2013, 118, 646-664.	3.4	9
30	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
31	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
32	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
33	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
34	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
35	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
36	Stress Drop Variations of Induced Earthquakes near the Dallasâ€“Fort Worth Airport, Texas. The Seismic Record, 2022, 2, 68-77.	3.1	3

#	Article	IF	Citations
37	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
38	High-resolution seismic data regularization and wavefield separation. Geophysical Journal International, 2018, 213, 684-694.	2.4	2
39	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
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