Debi Kilb

List of Publications by Year
in descending order

50 papers	1,634 citations	394286 19 h-index	302012 39 g-index
50 all docs	50 docs citations	50 times ranked	1590 citing authors

#	Article	IF	Citations
1	Triggering of earthquake aftershocks by dynamic stresses. Nature, 2000, 408, 570-574.	13.7	309
2	Earthquake source scaling and self-similarity estimation from stackingPandSspectra. Journal of Geophysical Research, 2004, 109, .	3.3	170
3	Aftershock triggering by complete Coulomb stress changes. Journal of Geophysical Research, 2002, 107, ESE 2-1-ESE 2-14.	3.3	164
4	Correlations between earthquakes and large mud volcano eruptions. Journal of Geophysical Research, 2007, 112, .	3.3	130
5	A Comparison of Spectral Parameter Kappa from Small and Moderate Earthquakes Using Southern California ANZA Seismic Network Data. Bulletin of the Seismological Society of America, 2012, 102, 284-300.	1.1	75
6	Loading of the San Andreas fault by flood-induced rupture of faults beneath the Salton Sea. Nature Geoscience, 2011, 4, 486-492.	5.4	53
7	Title is missing!. , 1999, 3, 409-420.		47
8	Implications of diverse fault orientations imaged in relocated aftershocks of the Mount Lewis,ML5.7, California, earthquake. Journal of Geophysical Research, 2002, 107, ESE 5-1-ESE 5-17.	3.3	42
9	A strong correlation between induced peak dynamic Coulomb stress change from the 1992M7.3 Landers, California, earthquake and the hypocenter of the 1999M7.1 Hector Mine, California, earthquake. Journal of Geophysical Research, 2003, 108, ESE 3-1-ESE 3-7.	3.3	42
10	Rapid Earthquake Characterization Using MEMS Accelerometers and Volunteer Hosts Following the M 7.2 Darfield, New Zealand, Earthquake. Bulletin of the Seismological Society of America, 2014, 104, 184-192.	1.1	42
11	On the origin of diverse aftershock mechanisms following the 1989 Loma Prieta earthquake. Geophysical Journal International, 1997, 128, 557-570.	1.0	41
12	Fault Parameter Constraints Using Relocated Earthquakes: A Validation of First-Motion Focal-Mechanism Data. Bulletin of the Seismological Society of America, 2006, 96, 1140-1158.	1.1	41
13	Using glacier seismicity for phase velocity measurements and Green's function retrieval. Geophysical Journal International, 2015, 201, 1722-1737.	1.0	33
14	Listen, Watch, Learn: SeisSound Video Products. Seismological Research Letters, 2012, 83, 281-286.	0.8	31
15	Decomposing Leftovers: Event, Path, and Site Residuals for a Smallâ€Magnitude Anza Region GMPE. Bulletin of the Seismological Society of America, 2018, 108, 2478-2492.	1.1	31
16	Event Detection Performance of the PLUM Earthquake Early Warning Algorithm in Southern California. Bulletin of the Seismological Society of America, 2019, 109, 1524-1541.	1.1	28
17	Ground Motion Residuals, Path Effects, and Crustal Properties: A Pilot Study in Southern California. Journal of Geophysical Research: Solid Earth, 2019, 124, 5738-5753.	1.4	27
18	Spatiotemporal Analyses of Earthquake Productivity and Size Distribution: Observations and Simulations. Bulletin of the Seismological Society of America, 2003, 93, 2069-2081.	1.1	26

#	Article	IF	Citations
19	Listening to the 2011 Magnitude 9.0 Tohoku-Oki, Japan, Earthquake. Seismological Research Letters, 2012, 83, 287-293.	0.8	26
20	Seismogenic, electrically conductive, and fluid zones at continental plate boundaries in New Zealand, Himalaya, and California. Geophysical Monograph Series, 2007, , 347-369.	0.1	21
21	Real-Time Performance of the PLUM Earthquake Early Warning Method during the 2019 MÂ6.4 and 7.1 Ridgecrest, California, Earthquakes. Bulletin of the Seismological Society of America, 2020, 110, 1887-1903.	1.1	20
22	Selecting Empirical Green's Functions in Regions of Fault Complexity: A Study of Data from the San Jacinto Fault Zone, Southern California. Bulletin of the Seismological Society of America, 2013, 103, 641-650.	1.1	18
23	Humming glaciers. Geology, 2014, 42, 1099-1102.	2.0	18
24	Roomquake. , 2005, , .		17
25	Collaborative data visualization for Earth Sciences with the OptIPuter. Future Generation Computer Systems, 2006, 22, 955-963.	4.9	16
26	Quantifying the remote triggering capabilities of large earthquakes using data from the ANZA Seismic Network catalog (southern California). Journal of Geophysical Research, 2007, 112, .	3.3	16
27	Exploring remote earthquake triggering potential across EarthScopes' Transportable Array through frequency domain array visualization. Journal of Geophysical Research: Solid Earth, 2014, 119, 8950-8963.	1.4	16
28	Aftershock Detection Thresholds as a Function of Time: Results from the ANZA Seismic Network following the 31 October 2001 ML 5.1 Anza, California, Earthquake. Bulletin of the Seismological Society of America, 2007, 97, 780-792.	1.1	15
29	A Timeâ€Domain Detection Approach to Identify Small Earthquakes within the Continental United States Recorded by the USArray and Regional Networks. Bulletin of the Seismological Society of America, 2016, 106, 512-525.	1.1	15
30	Optimally Oriented Remote Triggering in the Coso Geothermal Region. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019131.	1.4	14
31	The PLUM Earthquake Early Warning Algorithm: A Retrospective Case Study of West Coast, USA, Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021053.	1.4	14
32	Going Beyond Rate Changes as the Sole Indicator for Dynamic Triggering of Earthquakes. Scientific Reports, 2020, 10, 4120.	1.6	13
33	A Case Study of Two MÂ5 Mainshocks in Anza, California: Is the Footprint of an Aftershock Sequence Larger Than We Think?. Bulletin of the Seismological Society of America, 2009, 99, 2721-2735.	1.1	12
34	Alert Optimization of the PLUM Earthquake Early Warning Algorithm for the Western United States. Bulletin of the Seismological Society of America, 2022, 112, 803-819.	1.1	8
35	Peak Ground Velocity Spatial Variability Revealed by Dense Seismic Array in Southern California. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019157.	1.4	7
36	3-D Interdisciplinary Visualization: Tools for Scientific Analysis and Communication. Seismological Research Letters, 2008, 79, 867-876.	0.8	6

#	Article	IF	Citations
37	Joint geodetic and seismic analysis of surface crevassing near a seasonal glacier-dammed lake at Gornergletscher, Switzerland. Annals of Glaciology, 2019, 60, 1-13.	2.8	6
38	Directional Variations in Travel-Time Residuals of Teleseismic P Waves in the Crust and Mantle beneath Northern Tien Shan. Bulletin of the Seismological Society of America, 2004, 94, 650-664.	1.1	4
39	Throwing mud. Nature Geoscience, 2008, 1, 572-573.	5.4	4
40	Contourâ€Based Frequencyâ€Domain Event Detection for Seismic Arrays. Seismological Research Letters, 2018, 89, 1514-1523.	0.8	4
41	Education and Outreach Based on Data from the Anza Seismic Network in Southern California. Seismological Research Letters, 2003, 74, 522-528.	0.8	3
42	Visualization tools facilitate geological investigations of Mars Exploration Rover landing sites. , 2005, 5669, 135.		3
43	The Visualization Center at Scripps Institution of Oceanography: Education and Outreach. Seismological Research Letters, 2003, 74, 641-648.	0.8	2
44	3D visualization of recent Sumatra Earthquake. Eos, 2005, 86, 142.	0.1	1
45	The Game of Curiosity: Using Videogames to Cultivate Future Scientists. Seismological Research Letters, 2014, 85, 923-929.	0.8	1
46	The M2 Tidal Tilt Results from USArray Seismic Data from the Western United States. Bulletin of the Seismological Society of America, 2020, 110, 3196-3210.	1.1	1
47	Modulation of seismic noise near the San Jacinto fault in southern California: origin and observations of the cyclical time dependence and associated crustal properties. Geophysical Journal International, 2021, 225, 127-139.	1.0	1
48	Flash-Based Tool for Earthquake Epicenter Identification. , 2009, , .		0
49	Tilt Trivia: A Free Multiplayer App to Learn Geoscience Concepts and Definitions. Seismological Research Letters, 2018, 89, 1908-1915.	0.8	0
50	<i>Flash Mob Science</i>: from Landmarks to Love Hz. Seismological Research Letters, 0, , .	0.8	0