

Keith D Koper

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,462
citations

257357

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206029

48
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66
all docs

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docs citations

66
times ranked

2117
citing authors

#	ARTICLE	IF	CITATIONS
1	Excitation of Earth's inner core rotational oscillation during 2001–2003 captured by earthquake doublets. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117504.	1.8	4
2	Recalibration of the Local Magnitude (ML) Scale for Earthquakes in the Yellowstone Volcanic Region. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 905-920.	1.1	0
3	Combining Deep Learning With Physics Based Features in Explosion–Earthquake Discrimination. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	19
4	Responding to the 2020 Magna, Utah, Earthquake Sequence during the COVID-19 Pandemic Shutdown. <i>Seismological Research Letters</i> , 2021, 92, 6-16.	0.8	9
5	Discrimination of Small Earthquakes and Buried Single-Fired Chemical Explosions at Local Distances ($\leq 150\text{ km}$) in the Western United States from Comparison of Local Magnitude (ML) and Coda Duration Magnitude (MC). <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 558-570.	1.1	15
6	Monitoring the 2020 Magna, Utah, Earthquake Sequence with Nodal Seismometers and Machine Learning. <i>Seismological Research Letters</i> , 2021, 92, 787-801.	0.8	8
7	Toward Robust and Routine Determination of Mw for Small Earthquakes: Application to the 2020 Mw 5.7 Magna, Utah, Seismic Sequence. <i>Seismological Research Letters</i> , 2021, 92, 725-740.	0.8	8
8	Deep Learning Denoising Applied to Regional Distance Seismic Data in Utah. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 775-790.	1.1	16
9	Introducing <i>The Seismic Record</i> —A New, Open-Access Journal from the Seismological Society of America. <i>The Seismic Record</i> , 2021, 1, 1-2.	1.3	0
10	Preface to the Focus Section on the 2020 Intermountain West Earthquakes. <i>Seismological Research Letters</i> , 2021, 92, 636-639.	0.8	2
11	Advancing Local Distance Discrimination of Explosions and Earthquakes With Joint P/S and M _L –M _C Classification. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095721.	1.5	7
12	FastTrip: A Fast MPI-Accelerated 1D Triplication Waveform Inversion Package for Constraining Mantle Transition Zone Discontinuities. <i>Seismological Research Letters</i> , 2021, 92, 2647-2656.	0.8	6
13	The Importance of Regional Seismic Networks in Monitoring Nuclear Test-Ban Treaties. <i>Seismological Research Letters</i> , 2020, 91, 573-580.	0.8	10
14	A New Catalog of Explosion Source Parameters in the Utah Region with Application to ML–MC-Based Depth Discrimination at Local Distances. <i>Seismological Research Letters</i> , 2020, 91, 222-236.	0.8	7
15	Seismic Analysis of the 2020 Magna, Utah, Earthquake Sequence: Evidence for a Listric Wasatch Fault. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089798.	1.5	32
16	How Processing Methodologies Can Distort and Bias Power Spectral Density Estimates of Seismic Background Noise. <i>Seismological Research Letters</i> , 2020, 91, 1694-1706.	0.8	26
17	Regional Seismic Network Monitoring in the Eastern Intermountain West. <i>Seismological Research Letters</i> , 2020, 91, 631-646.	0.8	19
18	A New Uniform Moment Tensor Catalog for Yunnan, China, from January 2000 through December 2014. <i>Seismological Research Letters</i> , 2020, 91, 891-900.	0.8	11

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19	Spatiotemporal Seismic Structure Variations Associated With the 2018 K�lauea Eruption Based on Temporary Dense Geophone Arrays. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086668.	1.5	18
20	On the Portability of $M_L - M_c$ as a Depth Discriminant for Small Seismic Events Recorded at Local Distances. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1661-1673.	1.1	12
21	Reply to: Comment by Rodrigo Cienfuegos on "Rapidly Estimated Seismic Source Parameters for the 16 September 2015 Illapel, Chile, Mw 8.3 Earthquake" by Lingling Ye, Thorne Lay, Hiroo Kanamori, and Keith D. Koper. <i>Pure and Applied Geophysics</i> , 2019, 176, 2753-2753.	0.8	1
22	The 2017-2018 Maple Creek Earthquake Sequence in Yellowstone National Park, USA. <i>Geophysical Research Letters</i> , 2019, 46, 4653-4663.	1.5	13
23	Discrimination of Anthropogenic Events and Tectonic Earthquakes in Utah Using a Quadratic Discriminant Function Approach with Local Distance Amplitude Ratios. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2788-2800.	1.1	9
24	Depth Discrimination Using $R_g - S_g$ Spectral Amplitude Ratios for Seismic Events in Utah Recorded at Local Distances. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1355-1368.	1.1	22
25	Seismicity in the Challis, Idaho, Region, January 2014-May 2017: Late Aftershocks of the 1983 Ms 7.3 Borah Peak Earthquake. <i>Seismological Research Letters</i> , 2018, 89, 1366-1378.	0.8	13
26	Irregular Transition Layer Beneath the Earth's Inner Core Boundary From Observations of Antipodal PKIKP and PKIKP Waves. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3607-3622.	1.0	11
27	Afterslip Enhanced Aftershock Activity During the 2017 Earthquake Sequence Near Sulphur Peak, Idaho. <i>Geophysical Research Letters</i> , 2018, 45, 5352-5361.	1.5	21
28	Dynamics of the Bingham Canyon rock avalanches (Utah, USA) resolved from topographic, seismic, and infrasound data. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 615-640.	1.0	34
29	Imaging the 2016 M_w 7.8 Kaikoura, New Zealand, earthquake with teleseismic P waves: A cascading rupture across multiple faults. <i>Geophysical Research Letters</i> , 2017, 44, 4790-4798.	1.5	55
30	Full wavefield decomposition of high-frequency secondary microseisms reveals distinct arrival azimuths for Rayleigh and Love waves. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4660-4675.	1.4	13
31	Lakes as a Source of Short-Period (0.5-2 s) Microseisms. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8241-8256.	1.4	26
32	Determination of Rayleigh wave ellipticity across the Earthscope Transportable Array using single-station and array-based processing of ambient seismic noise. <i>Geophysical Journal International</i> , 2017, 208, 234-245.	1.0	8
33	Anthropogenic sources stimulate resonance of a natural rock bridge. <i>Geophysical Research Letters</i> , 2016, 43, 9669-9676.	1.5	23
34	The 2 March 2016 Wharton Basin M_w 7.8 earthquake: High stress drop north-south strike-slip rupture in the diffuse oceanic deformation zone between the Indian and Australian Plates. <i>Geophysical Research Letters</i> , 2016, 43, 7937-7945.	1.5	18
35	Magnitude-based discrimination of man-made seismic events from naturally occurring earthquakes in Utah, USA. <i>Geophysical Research Letters</i> , 2016, 43, 10,638.	1.5	24
36	Source locations of teleseismic P, SV, and SH waves observed in microseisms recorded by a large aperture seismic array in China. <i>Earth and Planetary Science Letters</i> , 2016, 449, 39-47.	1.8	45

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37	Rapidly Estimated Seismic Source Parameters for the 16 September 2015 Illapel, Chile M w 8.3 Earthquake. <i>Pure and Applied Geophysics</i> , 2016, 173, 321-332.	0.8	72
38	High-resolution probing of inner core structure with seismic interferometry. <i>Geophysical Research Letters</i> , 2015, 42, 10,622.	1.5	27
39	The fine structure of double-frequency microseisms recorded by seismometers in North America. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1677-1691.	1.4	69
40	Location of high-frequency wave microseismic noise in the Pacific Ocean using multiple small aperture arrays. <i>Geophysical Research Letters</i> , 2015, 42, 2700-2708.	1.5	17
41	The frequency dependence and locations of short-period microseisms generated in the Southern Ocean and West Pacific. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5764-5781.	1.4	35
42	Detecting and characterizing coal mine related seismicity in the Western U.S. using subspace methods. <i>Geophysical Journal International</i> , 2015, 203, 1388-1399.	1.0	18
43	Microseisms from Superstorm Sandy. <i>Earth and Planetary Science Letters</i> , 2014, 402, 324-336.	1.8	33
44	Changes in mining-induced seismicity before and after the 2007 Crandall Canyon Mine collapse. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4876-4889.	1.4	16
45	Dominant seismic noise sources in the Southern Ocean and West Pacific, 2000-2012, recorded at the Warramunga Seismic Array, Australia. <i>Geophysical Research Letters</i> , 2014, 41, 3455-3463.	1.5	37
46	Planning a Global Array of Broadband Seismic Arrays. <i>Eos</i> , 2013, 94, 300-300.	0.1	3
47	Supershear rupture of the 5 January 2013 Craig, Alaska (M _w 7.5) earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5903-5919.	1.4	68
48	Imaging short-period seismic radiation from the 27 February 2010 Chile (M _w 8.8) earthquake. <i>Geophysical Research Letters</i> , 2012, 117, .	3.3	93
49	En Echelon and orthogonal fault ruptures of the 11 April 2012 great intraplate earthquakes. <i>Nature</i> , 2012, 490, 245-249.	13.7	206
50	Along-dip seismic radiation segmentation during the 2007 M _w 8.0 Pisco, Peru earthquake. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	12
51	Depth-varying rupture properties of subduction zone megathrust faults. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	442
52	Along-dip variation of teleseismic short-period radiation from the 11 March 2011 Tohoku earthquake (M _w 9.0). <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	39
53	Frequency-dependent rupture process of the 2011 M w 9.0 Tohoku Earthquake: Comparison of short-period P wave backprojection images and broadband seismic rupture models. <i>Earth, Planets and Space</i> , 2011, 63, 599-602.	0.9	192
54	Frequency dependent polarization analysis of ambient seismic noise recorded at a broadband seismometer in the central United States. <i>Earthquake Science</i> , 2010, 23, 439-447.	0.4	53

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55	On the Composition of Earth's Short-Period Seismic Noise Field. Bulletin of the Seismological Society of America, 2010, 100, 606-617.	1.1	89
56	Rupture imaging of the <i>M_w</i> 7.9 12 May 2008 Wenchuan earthquake from back projection of teleseismic <i>P</i> waves. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	146
57	Composition and variation of noise recorded at the Yellowknife Seismic Array, 1991â€“2007. Journal of Geophysical Research, 2009, 114, .	3.3	59
58	Using PKiKP coda to determine inner core structure: 2. Determination of QC. Journal of Geophysical Research, 2007, 112, .	3.3	21
59	Seismic properties of the inner core boundary from PKiKP/P amplitude ratios. Earth and Planetary Science Letters, 2005, 237, 680-694.	1.8	56
60	Evidence for small-scale heterogeneity in Earth's inner core from a global study of PKiKP coda waves. Earth and Planetary Science Letters, 2004, 228, 227-241.	1.8	56
61	Constraints on aspherical core structure from PKiKP-PcP differential travel times. Journal of Geophysical Research, 2003, 108, .	3.3	35