Localized seismic deformation in the upper mantle reve

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Citation Report

#	Article	IF	Citations
1	A 15Âyear catalog of more than 1 million lowâ€frequency earthquakes: Tracking tremor and slip along the deep San Andreas Fault. Journal of Geophysical Research: Solid Earth, 2017, 122, 3739-3753.	3.4	62
2	Locally and remotely triggered aseismic slip on the central San Jacinto Fault near Anza, CA, from joint inversion of seismicity and strainmeter data. Journal of Geophysical Research: Solid Earth, 2017, 122, 3033-3061.	3.4	31
3	Seismic properties and anisotropy of the continental crust: Predictions based on mineral texture and rock microstructure. Reviews of Geophysics, 2017, 55, 367-433.	23.0	127
4	Seismogenic width controls aspect ratios of earthquake ruptures. Geophysical Research Letters, 2017, 44, 2725-2732.	4.0	40
5	Earthquake rupture below the brittle-ductile transition in continental lithospheric mantle. Science Advances, 2017, 3, e1602642.	10.3	50
6	Earthquakes in the western Alpine mantle wedge. Gondwana Research, 2017, 44, 89-95.	6.0	25
7	Passive Seismic Complete Session. , 2017, , .		0
8	Fabric heterogeneity in the Mojave lower crust and lithospheric mantle in Southern California. Journal of Geophysical Research: Solid Earth, 2017, 122, 5000-5025.	3.4	22
9	On the Viability of Using Autonomous Threeâ€Component Nodal Geophones to Calculate TeleseismicPsReceiver Functions with an Application to Old Faithful, Yellowstone. Seismological Research Letters, 2017, 88, 1268-1278.	1.9	37
10	Microscale cavitation as a mechanism for nucleating earthquakes at the base of the seismogenic zone. Nature Communications, 2017, 8, 1645.	12.8	23
11	Graph clustering for localization within a sensor array. , 2017, , .		0
12	High-resolution microseismic detection and location using Large-N arrays. , 2017, , .		1
13	The Clarithromycin Susceptibility Genotype Affects the Treatment Outcome of Patients with Mycobacterium abscessus Lung Disease. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	23
14	Finite-fault source inversion using adjoint methods in 3-D heterogeneous media. Geophysical Journal International, 2018, 214, 402-420.	2.4	10
15	High-resolution seismic event detection using local similarity for Large-N arrays. Scientific Reports, 2018, 8, 1646.	3.3	56
16	Application of wavefield compressive sensing in surface wave tomography. Geophysical Journal International, 2018, 213, 1731-1743.	2.4	15
17	Earthquake cycle simulations with rate-and-state friction and power-law viscoelasticity. Tectonophysics, 2018, 733, 232-256.	2.2	62
18	Seismic Imaging of Source Region in the 1976 MsÂ7.8 Tangshan Earthquake Sequence and Its Implications for the Seismogenesis of Intraplate Earthquakes. Bulletin of the Seismological Society of America, 2018, 108, 1302-1313.	2.3	17

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19	Preface to the Focus Section on Geophone Array Seismology. Seismological Research Letters, 2018, 89, 1597-1600.	1.9	32
20	Structure of the Northern Los Angeles Basins Revealed in Teleseismic Receiver Functions from Shortâ€Term Nodal Seismic Arrays. Seismological Research Letters, 2018, 89, 1680-1689.	1.9	32
21	The 2017 Jiuzhaigou Earthquake Aftershockâ€Monitoring Experimental Network: Network Design and Signal Enhancement Algorithm. Seismological Research Letters, 2018, 89, 1671-1679.	1.9	4
22	On the Depth Extent of Coseismic Rupture. Bulletin of the Seismological Society of America, 2018, 108, 761-780.	2.3	7
23	Sources of Longâ€Range Anthropogenic Noise in Southern California and Implications for Tectonic Tremor Detection. Bulletin of the Seismological Society of America, 0, , .	2.3	25
24	Implications of upper-mantle seismicity for deformation in the continental collision zone beneath the Alpine Fault, South Island, New Zealand. New Zealand Journal of Geology, and Geophysics, 2018, 61, 283-308.	1.8	3
25	Pushing the limit of earthquake detection with distributed acoustic sensing and template matching: a case study at the Brady geothermal field. Geophysical Journal International, 2018, 215, 1583-1593.	2.4	72
26	Investigating microearthquake finite source attributes with IRIS Community Wavefield Demonstration Experiment in Oklahoma. Geophysical Journal International, 2018, 214, 1072-1087.	2.4	31
27	Characteristics of Airplanes and Helicopters Recorded by a Dense Seismic Array Near Anza California. Journal of Geophysical Research: Solid Earth, 2018, 123, 4783-4797.	3.4	50
28	Two-stage Red Sea rifting inferred from mantle earthquakes in Neoproterozoic lithosphere. Earth and Planetary Science Letters, 2018, 497, 92-101.	4.4	21
29	Crustal rheology from focal depths in the North China Basin. Earth and Planetary Science Letters, 2018, 497, 123-138.	4.4	13
30	Quantifying the Thermodynamics of Ligand Binding to CsPbBr 3 Quantum Dots. Angewandte Chemie, 2018, 130, 11885-11889.	2.0	21
31	Quantifying the Thermodynamics of Ligand Binding to CsPbBr₃ Quantum Dots. Angewandte Chemie - International Edition, 2018, 57, 11711-11715.	13.8	134
32	To catch a quake. Nature Communications, 2018, 9, 2508.	12.8	15
33	Atmospheric Processes Modulating Noise in Fairfield Nodal 5ÂHz Geophones. Seismological Research Letters, 0, , .	1.9	8
34	High-resolution seismic tomography of Long Beach, CA using machine learning. Scientific Reports, 2019, 9, 14987.	3.3	27
35	Mantle degassing along strike-slip faults in the Southeastern Korean Peninsula. Scientific Reports, 2019, 9, 15334.	3.3	14
36	Mantle earthquakes in the Himalayan collision zone. Geology, 2019, 47, 815-819.	4.4	20

#	Article	IF	Citations
37	Evaluation of deep crustal earthquakes in northern Germany â€“ Possible tectonic causes. Terra Nova, 2019, 31, 83-93.	2.1	14
38	Analysis of surface and seismic sources in dense array data with match field processing and Markov chain Monte Carlo sampling. Geophysical Journal International, 2019, 218, 1044-1056.	2.4	15
39	On the Feasibility of Using the Dense MyShake Smartphone Array for Earthquake Location. Seismological Research Letters, 2019, 90, 1209-1218.	1.9	14
40	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
41	Fault mechanics and earthquakes. , 2020, , 11-80.		9
42	Distributed Acoustic Sensing Turns Fiberâ€Optic Cables into Sensitive Seismic Antennas. Seismological Research Letters, 2020, 91, 1-15.	1.9	159
43	An Automated Method for Developing a Catalog of Small Earthquakes Using Data of a Dense Seismic Array and Nearby Stations. Seismological Research Letters, 2020, 91, 2862-2871.	1.9	6
44	Connecting beamforming and kernel-based noise source inversion. Geophysical Journal International, 2020, 224, 1607-1620.	2.4	13
45	A detailed image of the continent-borderland transition beneath Long Beach, California. Geophysical Journal International, 2020, 222, 2102-2107.	2.4	2
46	Identifying Different Classes of Seismic Noise Signals Using Unsupervised Learning. Geophysical Research Letters, 2020, 47, e2020GL088353.	4.0	31
47	The Brittleâ€Plastic Transition, Earthquakes, Temperatures, and Strain Rates. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019335.	3.4	23
48	Using a Timeâ€Based Subarray Method to Extract and Invert Noiseâ€Derived Body Waves at Long Beach, California. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018855.	3.4	23
49	Conjugate faulting and structural complexity on the young fault system associated with the 2000 Tottori earthquake. Communications Earth & Environment, 2021, 2, .	6.8	14
50	Illuminating high-resolution crustal fault zones using multi-scale dense arrays and airgun source. Earthquake Research Advances, 2021, 1, 100001.	2.2	17
51	Recent advances in earthquake monitoring I: Ongoing revolution of seismic instrumentation. Earthquake Science, 2021, 34, 177-188.	0.9	5
52	A Multi-Physics Experiment with a Temporary Dense Seismic Array on the ArgentiÃ¨re Glacier, French Alps: The RESOLVE Project. Seismological Research Letters, 2021, 92, 1185-1201.	1.9	11
53	SitkaNet: A low-cost, distributed sensor network for landslide monitoring and study. HardwareX, 2021, 9, e00191.	2.2	15
54	Evaluating seismic beamforming capabilities of distributed acoustic sensing arrays. Solid Earth, 2021, 12, 915-934.	2.8	42

#	Article	IF	Citations
55	Distribution of Temperature and Strength in the Central Andean Lithosphere and Its Relationship to Seismicity and Active Deformation. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021231.	3.4	11
56	Rapid Response to the 2019 Ridgecrest Earthquake With Distributed Acoustic Sensing. AGU Advances, 2021, 2, e2021AV000395.	5.4	39
57	Influence of Shear Heating and Thermomechanical Coupling on Earthquake Sequences and the Brittleâ€Ductile Transition. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021394.	3.4	8
58	Origin, Accretion, and Reworking of Continents. Reviews of Geophysics, 2021, 59, e2019RG000689.	23.0	48
59	Complex Migration of Tremor Near Cholame, CA, Resolved by Seismic Array Analysis. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022174.	3.4	1
60	Revisiting evidence for widespread seismicity in the upper mantle under Los Angeles. Science Advances, 2021, 7, .	10.3	8
61	Estimation of passive microseismic event location using random sampling-based curve fitting. , 2017, , .		2
62	Deep Clustering to Identify Sources of Urban Seismic Noise in Long Beach, California. Seismological Research Letters, 2021, 92, 1011-1022.	1.9	17
63	The Fineâ€Scale Structure of Long Beach, California, and Its Impact on Ground Motion Acceleration. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022462.	3.4	11
64	Colloidal Quantum Dot Solar Cells: Progressive Deposition Techniques and Future Prospects on Largeâ€Area Fabrication. Advanced Materials, 2022, 34, e2107888.	21.0	39
65	Using unsupervised machine learning for clustering seismic noise. , 2022, , .		0
66	Toward improved urban earthquake monitoring through deep-learning-based noise suppression. Science Advances, 2022, 8, eabl3564.	10.3	19
67	Evaluation of the 3D Near-Surface Velocity Structure in an Urban Environment from Ambient Noise Array Tomography: The Case of the City of Thessaloniki (Northern Greece). Bulletin of the Seismological Society of America, 2022, 112, 2587-2605.	2.3	0
68	Earthquake Event Recognition on Smartphones Based on Neural Network Models. Sensors, 2022, 22, 8769.	3.8	1
69	Investigating the interfacial properties of halide perovskite/TiO_x heterostructures for versatile photocatalytic reactions under sunlight. Nanoscale, 2023, 15, 7710-7714.	5.6	2
70	Shallow Seismicity in the Long Beachâ€“Seal Beach, California Area. Seismological Research Letters, 0, , .	1.9	0
71	Advantageous properties of halide perovskite quantum dots towards energy-efficient sustainable applications. Green Energy and Environment, 2023, , .	8.7	4
72	Reply to â€œComment on â€˜Sources of Long-Range Anthropogenic Noise in Southern California and Implications for Tectonic Tremor Detectionâ€™ by Asaf Inbal, Tudor Cristea-Platon, Jean-Paul Ampuero, Gregor Hillers, Duncan Agnew, and Susan E. Houghâ€•by Allie Hutchison, Yijian Zhou, and Abhijit Ghosh. Bulletin of the Seismological Society of America, 2023, 113, 2232-2246.	2.3	3

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73	Seismoacoustic Analysis of the Large Surface Explosion Coupling Experiment Using a Large-N Seismic Array. Bulletin of the Seismological Society of America, 2023, 113, 1692-1701.	2.3	2
74	Long-term ambient seismic interferometry for constraining seasonal subsurface velocity variations in urban settings: a distributed acoustic sensing (DAS) case study. Geophysical Journal International, 2023, 234, 1973-1984.	2.4	1
75	Investigation of Helium Isotopes in Groundwater of Kuwait Group and Dammam Formation Aquifers of Kuwait. Environmental Earth Sciences, 2023, , 17-34.	0.2	0
76	A Model for the Lithospheric Architecture of the Central Andes and the Localization of Giant Porphyry Copper Deposit Clusters. Economic Geology, 2023, 118, 1235-1259.	3.8	1
77	Terrigenic helium in brackish groundwaters of Kuwait, probable influences from hydrocarbon resources. Groundwater for Sustainable Development, 2023, 23, 101048.	4.6	0
78	Remotely imaging seismic ground shaking via large-N infrasound beamforming. Communications Earth & Environment, 2023, 4, .	6.8	1