Yehuda Ben-Zion

List of Publications by Year
in descending order

282 papers	16,635 citations	12597 71 h-index	25230 113 g-index
291 all docs	291 docs citations	291 times ranked	6457 citing authors

#	Article	IF	Citations
1	A Data-Driven Framework for Automated Detection of Aircraft-Generated Signals in Seismic Array Data Using Machine Learning. Seismological Research Letters, 2022, 93, 226-240.	0.8	5
2	Distribution of seismic scatterers in the San Jacinto Fault Zone, southeast of Anza, California, based on passive matrix imaging. Earth and Planetary Science Letters, 2022, 578, 117304.	1.8	5
3	Predicting Fracture Network Development in Crystalline Rocks. Pure and Applied Geophysics, 2022, 179, 275-299.	0.8	6
4	Validation of seismic velocity models in southern California with full-waveform simulations. Geophysical Journal International, 2022, 229, 1232-1254.	1.0	7
5	Volumetric and shear strain localization throughout triaxial compression experiments on rocks. Tectonophysics, 2022, 822, 229181.	0.9	18
6	Physics of Jerky Motion in Slowly Driven Magnetic and Earthquake Fault Systems. , 2022, , 1-26.		0
7	General Seismic Architecture of the Southern San Andreas Fault Zone around the Thousand Palms Oasis from a Large-N Nodal Array. The Seismic Record, 2022, 2, 50-58.	1.3	6
8	Seismic Traveltime Tomography of Southern California Using Poissonâ€Voronoi Cells and 20ÂYears of Data. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	6
9	Physics of Jerky Motion in Slowly Driven Magnetic and Earthquake Fault Systems. , 2022, , 191-212.		0
10	Invariant Galtonâ€“Watson branching process for earthquake occurrence. Geophysical Journal International, 2022, 231, 567-583.	1.0	4
11	Predicting fault reactivation and macroscopic failure in discrete element method simulations of restraining and releasing step overs. Earth and Planetary Science Letters, 2022, 593, 117667.	1.8	3
12	Earthquake source properties from analysis of dynamic ruptures and far-field seismic waves in a damage-breakage model. Geophysical Journal International, 2021, 224, 1793-1810.	1.0	6
13	Detailed spaceâ€“time variations of the seismic response of the shallow crust to small earthquakes from analysis of dense array data. Geophysical Journal International, 2021, 225, 298-310.	1.0	10
14	The generation of large earthquakes. Nature Reviews Earth & Environment, 2021, 2, 26-39.	12.2	79
15	Analysis of Seismic Signals Generated by Vehicle Traffic with Application to Derivation of Subsurface Q-Values. Seismological Research Letters, 2021, 92, 2354-2363.	0.8	14
16	Thank You to Our 2020 Peer Reviewers. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021896.	1.4	0
17	Plain Language Summary Required for Submission to Journal of Geophysical Research: Solid Earth. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022351.	1.4	2
18	Detailed traveltime tomography and seismic catalogue around the 2019 <i>M</i>w7.1 Ridgecrest, California, earthquake using dense rapid-response seismic data. Geophysical Journal International, 2021, 227, 204-227.	1.0	17

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19	How the force and fracture architectures develop within and around healed fault zones during biaxial loading toward macroscopic failure. Journal of Structural Geology, 2021, 147, 104329.	1.0	2
20	Seismic Imaging of the Mw 7.1 Ridgecrest Earthquake Rupture Zone From Data Recorded by Dense Linear Arrays. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022043.	1.4	22
21	High-resolution seismic imaging of the plate boundary in northern Baja California and southern California using double-pair double-difference tomography. Earth and Planetary Science Letters, 2021, 568, 117004.	1.8	5
22	Isotropic Source Components of Events in the 2019 Ridgecrest, California, Earthquake Sequence. Geophysical Research Letters, 2021, 48, e2021GL094515.	1.5	10
23	Regional seismic velocity changes following the 2019 <i>M</i>w 7.1 Ridgecrest, California earthquake from autocorrelations and <i>P</i>/<i>S</i> converted waves. Geophysical Journal International, 2021, 228, 620-630.	1.0	16
24	The influence of preexisting host rock damage on fault network localization. Journal of Structural Geology, 2021, 153, 104471.	1.0	6
25	Fracture Network Localization Preceding Catastrophic Failure in Triaxial Compression Experiments on Rocks. Frontiers in Earth Science, 2021, 9, .	0.8	10
26	Temporal changes of seismic velocities in the San Jacinto Fault zone associated with the 2016<i>M</i>w 5.2 Borrego Springs earthquake. Geophysical Journal International, 2020, 220, 1536-1554.	1.0	22
27	Nodal Seismograph Recordings of the 2019 Ridgecrest Earthquake Sequence. Seismological Research Letters, 2020, 91, 3622-3633.	0.8	17
28	Thank You to Our 2019 Reviewers. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019781.	1.4	0
29	Deformation Precursors to Catastrophic Failure in Rocks. Geophysical Research Letters, 2020, 47, e2020GL090255.	1.5	20
30	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.	0.8	6
31	Internal structure of the San Jacinto fault zone at the Ramona Reservation, north of Anza, California, from dense array seismic data. Geophysical Journal International, 2020, 224, 1225-1241.	1.0	12
32	Analysis of Fault Zone Resonance Modes Recorded by a Dense Seismic Array Across the San Jacinto Fault Zone at Blackburn Saddle. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019756.	1.4	11
33	Effects of Shallow-Velocity Reductions on 3D Propagation of Seismic Waves. Seismological Research Letters, 2020, 91, 3313-3322.	0.8	10
34	Variations of Earthquake Properties Before, During, and After the 2019 M7.1 Ridgecrest, CA, Earthquake. Geophysical Research Letters, 2020, 47, e2020GL089650.	1.5	16
35	The mixology of precursory strain partitioning approaching brittle failure in rocks. Geophysical Journal International, 2020, 221, 1856-1872.	1.0	18
36	Seismic and Aseismic Preparatory Processes Before Large Stickâ€“Slip Failure. Pure and Applied Geophysics, 2020, 177, 5741-5760.	0.8	63

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37	Predicting the proximity to macroscopic failure using local strain populations from dynamic in situ X-ray tomography triaxial compression experiments on rocks. Earth and Planetary Science Letters, 2020, 543, 116344.	1.8	23
38	Detection Limits and Nearâ€Field Ground Motions of Fast and Slow Earthquakes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018935.	1.4	4
39	PyKonal: A Python Package for Solving the Eikonal Equation in Spherical and Cartesian Coordinates Using the Fast Marching Method. Seismological Research Letters, 2020, 91, 2378-2389.	0.8	27
40	Characterizing the uppermost 100Âm structure of the San Jacinto fault zone southeast of Anza, California, through joint analysis of geological, topographic, seismic and resistivity data. Geophysical Journal International, 2020, 222, 781-794.	1.0	16
41	Localization and coalescence of seismicity before large earthquakes. Geophysical Journal International, 2020, 223, 561-583.	1.0	47
42	Variations of Stress Parameters in the Southern California Plate Boundary Around the South Central Transverse Ranges. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019482.	1.4	7
43	Tectonic Inheritance With Dipping Faults and Deformation Fabric in the Brittle and Ductile Southern California Crust. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019525.	1.4	17
44	Identifying Different Classes of Seismic Noise Signals Using Unsupervised Learning. Geophysical Research Letters, 2020, 47, e2020GL088353.	1.5	31
45	Using Deep Learning to Derive Shear-Wave Velocity Models from Surface-Wave Dispersion Data. Seismological Research Letters, 2020, 91, 1738-1751.	0.8	26
46	Semiautomated Estimates of Directivity and Related Source Properties of Small to Moderate Southern California Earthquakes Using Second Seismic Moments. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018566.	1.4	15
47	Earthquake Declustering Using the Nearestâ€Neighbor Approach in Spaceâ€Timeâ€Magnitude Domain. Journal of Geophysical Research: Solid Earth, 2020, 125, e2018JB017120.	1.4	49
48	Isotropic seismic radiation from rock damage and dilatancy. Geophysical Journal International, 2020, 222, 449-460.	1.0	7
49	Seismic clustering in the Sea of Marmara: Implications for monitoring earthquake processes. Tectonophysics, 2019, 768, 228176.	0.9	13
50	Train Traffic as a Powerful Noise Source for Monitoring Active Faults With Seismic Interferometry. Geophysical Research Letters, 2019, 46, 9529-9536.	1.5	78
51	Volumetric and shear processes in crystalline rock approaching faulting. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16234-16239.	3.3	56
52	Characteristics of Ground Motion Generated by Wind Interaction With Trees, Structures, and Other Surface Obstacles. Journal of Geophysical Research: Solid Earth, 2019, 124, 8519-8539.	1.4	46
53	Eikonal Tomography of the Southern California Plate Boundary Region. Journal of Geophysical Research: Solid Earth, 2019, 124, 9755-9779.	1.4	28
54	Transient Brittleâ€Ductile Transition Depth Induced by Moderateâ€Large Earthquakes in Southern and Baja California. Geophysical Research Letters, 2019, 46, 11109-11117.	1.5	16

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55	Detection of random noise and anatomy of continuous seismic waveforms in dense array data near Anza California. Geophysical Journal International, 2019, 219, 1463-1473.	1.0	15
56	Dynamic earthquake rupture in the lower crust. Science Advances, 2019, 5, eaaw0913.	4.7	48
57	Seismic Velocity Change Patterns Along the San Jacinto Fault Zone Following the 2010 <i>M</i>7.2 El Mayorâ€Cucapah and <i>M</i>5.4 Collins Valley Earthquakes. Journal of Geophysical Research: Solid Earth, 2019, 124, 7171-7192.	1.4	19
58	A Detailed Earthquake Catalog for the San Jacinto Faultâ€Zone Region in Southern California. Journal of Geophysical Research: Solid Earth, 2019, 124, 6908-6930.	1.4	19
59	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.	1.0	15
60	Thank You to Our 2018 Peer Reviewers. Journal of Geophysical Research: Solid Earth, 2019, 124, 3242-3253.	1.4	0
61	Structural Properties of the San Jacinto Fault Zone at Blackburn Saddle from Seismic Data of a Dense Linear Array. Pure and Applied Geophysics, 2019, 176, 1169-1191.	0.8	20
62	Significant Effects of Shallow Seismic and Stress Properties on Phase Velocities of Rayleigh Waves Up to 20Âs. Pure and Applied Geophysics, 2019, 176, 1255-1267.	0.8	12
63	Frontiers in Studies of Earthquakes and Faults: Introduction. Pure and Applied Geophysics, 2019, 176, 979-982.	0.8	1
64	Seismic velocity reduction and accelerated recovery due to earthquakes on the Longmenshan fault. Nature Geoscience, 2019, 12, 387-392.	5.4	61
65	Spatiotemporal Variations of Stress and Strain Parameters in the San Jacinto Fault Zone. Pure and Applied Geophysics, 2019, 176, 1145-1168.	0.8	16
66	Representation of seismic sources sustaining changes of elastic moduli. Geophysical Journal International, 2019, 217, 135-139.	1.0	12
67	Spatial variations of rock damage production by earthquakes in southern California. Earth and Planetary Science Letters, 2019, 512, 184-193.	1.8	31
68	Shallow three-dimensional structure of the San Jacinto fault zone revealed from ambient noise imaging with a dense seismic array. Geophysical Journal International, 2019, 216, 896-905.	1.0	58
69	Seismic Imaging of the Southern California Plate Boundary around the South-Central Transverse Ranges Using Double-Difference Tomography. Pure and Applied Geophysics, 2019, 176, 1117-1143.	0.8	28
70	Wave equation dispersion inversion of surface waves recorded on irregular topography. Geophysical Journal International, 2019, 217, 346-360.	1.0	29
71	<i>V</i>p/<i>V</i>s tomography in the southern California plate boundary region using body and surface wave traveltime data. Geophysical Journal International, 2019, 216, 609-620.	1.0	23
72	Dynamic Rupture and Seismic Radiation in a Damageâ€“Breakage Rheology Model. Pure and Applied Geophysics, 2019, 176, 1003-1020.	0.8	18

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73	Imaging subsurface structures in the San Jacinto fault zone with high-frequency noise recorded by dense linear arrays. Geophysical Journal International, 2019, 217, 879-893.	1.0	40
74	Comparative Study of Earthquake Clustering in Relation to Hydraulic Activities at Geothermal Fields in California. Journal of Geophysical Research: Solid Earth, 2018, 123, 4041-4062.	1.4	26
75	Earthquake-induced transformation of the lower crust. Nature, 2018, 556, 487-491.	13.7	89
76	Internal structure of the San Jacinto fault zone in the trifurcation area southeast of Anza, California, from data of dense seismic arrays. Geophysical Journal International, 2018, 213, 98-114.	1.0	44
77	Critical Evolution of Damage Toward Systemâ€Size Failure in Crystalline Rock. Journal of Geophysical Research: Solid Earth, 2018, 123, 1969-1986.	1.4	66
78	Detection of small earthquakes with dense array data: example from the San Jacinto fault zone, southern California. Geophysical Journal International, 2018, 212, 442-457.	1.0	33
79	Tomography of Southern California Via Bayesian Joint Inversion of Rayleigh Wave Ellipticity and Phase Velocity From Ambient Noise Crossâ€Correlations. Journal of Geophysical Research: Solid Earth, 2018, 123, 9933-9949.	1.4	40
80	A Bimaterial Interface Along the Northern San Jacinto Fault Through Cajon Pass. Geophysical Research Letters, 2018, 45, 11,622.	1.5	11
81	Characteristics of Airplanes and Helicopters Recorded by a Dense Seismic Array Near Anza California. Journal of Geophysical Research: Solid Earth, 2018, 123, 4783-4797.	1.4	50
82	Diverse Volumetric Faulting Patterns in the San Jacinto Fault Zone. Journal of Geophysical Research: Solid Earth, 2018, 123, 5068-5081.	1.4	19
83	Abundant off-fault seismicity and orthogonal structures in the San Jacinto fault zone. Science Advances, 2017, 3, e1601946.	4.7	93
84	On different approaches to modeling. Journal of Geophysical Research: Solid Earth, 2017, 122, 558-559.	1.4	4
85	Ten kilometer vertical Moho offset and shallow velocity contrast along the Denali fault zone from double-difference tomography, receiver functions, and fault zone head waves. Tectonophysics, 2017, 721, 56-69.	0.9	40
86	Internal structure of the San Jacinto fault zone at Jackass Flat from data recorded by a dense linear array. Geophysical Journal International, 2017, 209, 1369-1388.	1.0	36
87	Rayleigh phase velocities in Southern California from beamforming short-duration ambient noise. Geophysical Journal International, 2017, 211, 450-454.	1.0	19
88	Aftershocks driven by afterslip and fluid pressure sweeping through a faultâ€fracture mesh. Geophysical Research Letters, 2017, 44, 8260-8267.	1.5	106
89	Nonmonotonicity of the Frictional Bimaterial Effect. Journal of Geophysical Research: Solid Earth, 2017, 122, 8270-8284.	1.4	6
90	Internal structure of the San Jacinto fault zone at Blackburn Saddle from seismic data of a linear array. Geophysical Journal International, 2017, 210, 819-832.	1.0	26

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91	Dynamic rupture in a damage-breakage rheology model. Geophysical Journal International, 2016, 206, 1126-1143.	1.0	22
92	A methodological approach towards high-resolution surface wave imaging of the San Jacinto Fault Zone using ambient-noise recordings at a spatially dense array. Geophysical Journal International, 2016, 206, 980-992.	1.0	74
93	Maximum earthquake magnitudes along different sections of the North Anatolian fault zone. Tectonophysics, 2016, 674, 147-165.	0.9	82
94	Frequency domain analysis of errors in cross-correlations of ambient seismic noise. Geophysical Journal International, 2016, 207, 1630-1652.	1.0	19
95	Bimaterial interfaces in the south San Andreas Fault with opposite velocity contrasts NW and SE from San Gorgonio Pass. Geophysical Research Letters, 2016, 43, 10,680.	1.5	18
96	A global classification and characterization of earthquake clusters. Geophysical Journal International, 2016, 207, 608-634.	1.0	103
97	Toward reliable automated estimates of earthquake source properties from body wave spectra. Journal of Geophysical Research: Solid Earth, 2016, 121, 4390-4407.	1.4	50
98	Analysis of earthquake body wave spectra for potency and magnitude values: implications for magnitude scaling relations. Geophysical Journal International, 2016, 207, 1158-1164.	1.0	43
99	Theoretical limits on detection and analysis of small earthquakes. Journal of Geophysical Research: Solid Earth, 2016, 121, 5898-5916.	1.4	39
100	Probabilistic model of waiting times between large failures in sheared media. Physical Review E, 2016, 93, 013003.	0.8	6
101	A refined methodology for stress inversions of earthquake focal mechanisms. Journal of Geophysical Research: Solid Earth, 2016, 121, 8666-8687.	1.4	78
102	Focal spot imaging based on zero lag crossâ€correlation amplitude fields: Application to dense array data at the San Jacinto fault zone. Journal of Geophysical Research: Solid Earth, 2016, 121, 8048-8067.	1.4	45
103	Bimaterial interfaces at the Karadere segment of the North Anatolian Fault, northwestern Turkey. Journal of Geophysical Research: Solid Earth, 2016, 121, 931-950.	1.4	32
104	A new algorithm for threeâ€dimensional joint inversion of body wave and surface wave data and its application to the Southern California plate boundary region. Journal of Geophysical Research: Solid Earth, 2016, 121, 3557-3569.	1.4	89
105	Estimating correlations of neighbouring frequencies in ambient seismic noise. Geophysical Journal International, 2016, 206, 1065-1075.	1.0	15
106	Corner frequency ratios ofPandSwaves and strain drops of earthquakes recorded by a tight network around the Karadere segment of the North Anatolian Fault Zone: evidence for non-classical source processes. Geophysical Journal International, 2016, 205, 220-235.	1.0	7
107	Spatial variations of shear wave anisotropy near the San Jacinto Fault Zone in Southern California. Journal of Geophysical Research: Solid Earth, 2015, 120, 8334-8347.	1.4	22
108	Scaling of maximum observed magnitudes with geometrical and stress properties of strikeâ€slip faults. Geophysical Research Letters, 2015, 42, 10,230.	1.5	13

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109	Basic data features and results from a spatially dense seismic array on the San Jacinto fault zone. Geophysical Journal International, 2015, 202, 370-380.	1.0	115
110	Isotropic source terms of San Jacinto fault zone earthquakes based on waveform inversions with a generalized CAP method. Geophysical Journal International, 2015, 200, 1269-1280.	1.0	42
111	Properties and Processes of Crustal Fault Zones: Volume II. Pure and Applied Geophysics, 2015, 172, 1003-1005.	0.8	0
112	Dynamic Ruptures on a Frictional Interface with Off-Fault Brittle Damage: Feedback Mechanisms and Effects on Slip and Near-Fault Motion. Pure and Applied Geophysics, 2015, 172, 1243-1267.	0.8	48
113	Modelling non-volcanic tremor, slow slip events and large earthquakes in the Guerrero subduction zone (Mexico) with space-variable frictional weakening and creep. Geophysical Journal International, 2015, 202, 653-669.	1.0	7
114	An algorithm for automated identification of fault zone trapped waves. Geophysical Journal International, 2015, 202, 933-942.	1.0	9
115	Systematic Receiver Function Analysis of the Moho Geometry in the Southern California Plate-Boundary Region. Pure and Applied Geophysics, 2015, 172, 1167-1184.	0.8	17
116	Probing failure susceptibilities of earthquake faults using small-quake tidal correlations. Nature Communications, 2015, 6, 6157.	5.8	12
117	Along-strike rupture directivity of earthquakes of the 2009 L'Aquila, central Italy, seismic sequence. Geophysical Journal International, 2015, 203, 399-415.	1.0	41
118	Extracting seismic attenuation coefficients from cross-correlations of ambient noise at linear triplets of stations. Geophysical Journal International, 2015, 203, 1149-1163.	1.0	38
119	Artefacts of earthquake location errors and short-term incompleteness on seismicity clusters in southern California. Geophysical Journal International, 2015, 202, 1949-1968.	1.0	30
120	Seasonal variations of seismic velocities in the San Jacinto fault area observed with ambient seismic noise. Geophysical Journal International, 2015, 202, 920-932.	1.0	74
121	Finite-frequency sensitivity kernels of seismic waves to fault zone structures. Geophysical Journal International, 2015, 203, 2032-2048.	1.0	9
122	Seismic Tomography of the Southern California Plate Boundary Region from Noise-Based Rayleigh and Love Waves. Pure and Applied Geophysics, 2015, 172, 1007-1032.	0.8	112
123	Properties and Processes of Crustal Fault Zones: Volume I. Pure and Applied Geophysics, 2014, 171, 2863-2865.	0.8	1
124	Lack of Spatiotemporal Localization of Foreshocks before the 1999 Mw 7.1 Duzce, Turkey, Earthquake. Bulletin of the Seismological Society of America, 2014, 104, 560-566.	1.1	29
125	An earthquake detection algorithm with pseudo-probabilities of multiple indicators. Geophysical Journal International, 2014, 197, 458-463.	1.0	21
126	Monitoring fault zone environments with correlations of earthquake waveforms. Geophysical Journal International, 2014, 196, 1073-1081.	1.0	20

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127	Automatic picking of direct P, S seismic phases and fault zone head waves. Geophysical Journal International, 2014, 199, 368-381.	1.0	108
128	Large Earthquake Hazard of the San Jacinto Fault Zone, CA, from Long Record of Simulated Seismicity Assimilating the Available Instrumental and Paleoseismic Data. Pure and Applied Geophysics, 2014, 171, 2955-2965.	0.8	11
129	Seismic Imaging of a Bimaterial Interface Along the Hayward Fault, CA, with Fault Zone Head Waves and Direct P Arrivals. Pure and Applied Geophysics, 2014, 171, 2993-3011.	0.8	38
130	Damageâ€“breakage rheology model and solid-granular transition near brittle instability. Journal of the Mechanics and Physics of Solids, 2014, 64, 184-197.	2.3	32
131	Real-Time Automatic Detectors of P and S Waves Using Singular Value Decomposition. Bulletin of the Seismological Society of America, 2014, 104, 1696-1708.	1.1	31
132	A Continuum Damageâ€“Breakage Faulting Model and Solid-Granular Transitions. Pure and Applied Geophysics, 2014, 171, 3099-3123.	0.8	26
133	Seismic velocity structure in the Hot Springs and Trifurcation areas of the San Jacinto fault zone, California, from double-difference tomography. Geophysical Journal International, 2014, 198, 978-999.	1.0	82
134	Ground Motion Prediction Equations in the San Jacinto Fault Zone: Significant Effects of Rupture Directivity and Fault Zone Amplification. Pure and Applied Geophysics, 2014, 171, 3045-3081.	0.8	70
135	Waveguide effects in very high rate GPS record of the 6 April 2009, <i>M_w</i> 6.1â€‰L'Aquila, central Italy earthquake. Journal of Geophysical Research: Solid Earth, 2014, 119, 490-501.	1.4	20
136	Lowâ€velocity zones along the San Jacinto Fault, Southern California, from body waves recorded in dense linear arrays. Journal of Geophysical Research: Solid Earth, 2014, 119, 8976-8990.	1.4	54
137	Seismic fault zone trapped noise. Journal of Geophysical Research: Solid Earth, 2014, 119, 5786-5799.	1.4	39
138	Assessment of <i>P</i> and <i>S</i> wave energy radiated from very small shearâ€tensile seismic events in a deep South African mine. Journal of Geophysical Research: Solid Earth, 2013, 118, 3630-3641.	1.4	72
139	Seasonal thermoelastic strain and postseismic effects in Parkfield borehole dilatometers. Earth and Planetary Science Letters, 2013, 379, 120-126.	1.8	43
140	Potential Signatures of Damage-Related Radiation from Aftershocks of the 4 April 2010 (Mw 7.2) El Mayor-Cucapah Earthquake, Baja California, Mexico. Bulletin of the Seismological Society of America, 2013, 103, 1130-1140.	1.1	26
141	Earthquake clusters in southern California I: Identification and stability. Journal of Geophysical Research: Solid Earth, 2013, 118, 2847-2864.	1.4	268
142	Shear heating during distributed fracturing and pulverization of rocks. Geology, 2013, 41, 139-142.	2.0	30
143	Earthquake clusters in southern California II: Classification and relation to physical properties of the crust. Journal of Geophysical Research: Solid Earth, 2013, 118, 2865-2877.	1.4	102
144	Interaction of microseisms with crustal heterogeneity: A case study from the San Jacinto fault zone area. Geochemistry, Geophysics, Geosystems, 2013, 14, 2182-2197.	1.0	32

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145	Directional resonance variations across the Pernicana Fault, Mt Etna, in relation to brittle deformation fields. Geophysical Journal International, 2013, 193, 986-996.	1.0	29
146	Theoretical and numerical results on effects of attenuation on correlation functions of ambient seismic noise. Geophysical Journal International, 2013, 194, 1966-1983.	1.0	14
147	Numerical and theoretical analyses of in-plane dynamic rupture on a frictional interface and off-fault yielding patterns at different scales. Geophysical Journal International, 2013, 193, 304-320.	1.0	38
148	Parametrization of general seismic potency and moment tensors for source inversion of seismic waveform data. Geophysical Journal International, 2013, 194, 839-843.	1.0	130
149	Spatioâ€temporal variations of doubleâ€couple aftershock mechanisms and possible volumetric earthquake strain. Journal of Geophysical Research: Solid Earth, 2013, 118, 2347-2355.	1.4	7
150	Damage and seismic velocity structure of pulverized rocks near the San Andreas Fault. Journal of Geophysical Research: Solid Earth, 2013, 118, 2813-2831.	1.4	100
151	Testing atmospheric and tidal earthquake triggering at Mt. Hochstaufen, Germany. Journal of Geophysical Research: Solid Earth, 2013, 118, 5442-5452.	1.4	33
152	Jerky Motion in Slowly Driven Magnetic and Earthquake Fault Systems, Physics of. , 2013, , 1-26.		0
153	Reversed-Polarity Secondary Deformation Structures Near Fault Stepovers. Journal of Applied Mechanics, Transactions ASME, 2012, 79, .	1.1	26
154	Apparent Vertical Moho Offsets under Continental Strike-Slip Faults from Lithology Contrasts in the Seismogenic Crust. Bulletin of the Seismological Society of America, 2012, 102, 2757-2763.	1.1	17
155	Evidence for a bimaterial interface along the Mudurnu segment of the North Anatolian Fault Zone from polarization analysis of P waves. Earth and Planetary Science Letters, 2012, 327-328, 17-22.	1.8	49
156	Velocity contrast across the 1944 rupture zone of the North Anatolian fault east of Ismetpasa from analysis of teleseismic arrivals. Geophysical Research Letters, 2012, 39, .	1.5	27
157	Horizontal polarization of ground motion in the Hayward fault zone at Fremont, California: dominant fault-high-angle polarization and fault-induced cracks. Geophysical Journal International, 2012, 188, 1255-1272.	1.0	45
158	Episodic tremor and slip on a frictional interface with critical zero weakening in elastic solid. Geophysical Journal International, 2012, 189, 1159-1168.	1.0	41
159	Seismic velocity structures in the southern California plate-boundary environment from double-difference tomography. Geophysical Journal International, 2012, 190, 1181-1196.	1.0	137
160	Pulverized fault rocks and damage asymmetry along the Arima-Takatsuki Tectonic Line, Japan. Earth and Planetary Science Letters, 2011, 308, 284-297.	1.8	165
161	Seasonal variations of observed noise amplitudes at 2-18 Hz in southern California. Geophysical Journal International, 2011, 184, 860-868.	1.0	45
162	Asymmetric distribution of aftershocks on large faults in California. Geophysical Journal International, 2011, 185, 1288-1304.	1.0	50

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163	Characterization of pulverized granitoids in a shallow core along the San Andreas Fault, Littlerock, CA. Geophysical Journal International, 2011, 186, 401-417.	1.0	45
164	A simple analytic theory for the statistics of avalanches in sheared granular materials. Nature Physics, 2011, 7, 554-557.	6.5	226
165	The Elastic Strain Energy of Damaged Solids with Applications to Non-Linear Deformation of Crystalline Rocks. Pure and Applied Geophysics, 2011, 168, 2199-2210.	0.8	26
166	A Unifying Phase Diagram for the Dynamics of Sheared Solids and Granular Materials. Pure and Applied Geophysics, 2011, 168, 2221-2237.	0.8	28
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