

# Yehuda Ben-Zion

## List of Publications by Year in descending order

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282  
papers

16,635  
citations

10984

71  
h-index

22161

113  
g-index

291  
all docs

291  
docs citations

291  
times ranked

5734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Fault Zones. Pure and Applied Geophysics, 2003, 160, 677-715.	1.9	493
2	Elastodynamic analysis for slow tectonic loading with spontaneous rupture episodes on faults with rate- and state-dependent friction. Journal of Geophysical Research, 2000, 105, 23765-23789.	3.3	482
3	Collective behavior of earthquakes and faults: Continuum–discrete transitions, progressive evolutionary changes, and different dynamic regimes. Reviews of Geophysics, 2008, 46, .	23.0	387
4	Wrinkle-like slip pulse on a fault between different materials. Journal of Geophysical Research, 1997, 102, 553-571.	3.3	349
5	Micromechanical Model for Deformation in Solids with Universal Predictions for Stress-Strain Curves and Slip Avalanches. Physical Review Letters, 2009, 102, 175501.	7.8	282
6	Dynamic ruptures in recent models of earthquake faults. Journal of the Mechanics and Physics of Solids, 2001, 49, 2209-2244.	4.8	271
7	Earthquake clusters in southern California I: Identification and stability. Journal of Geophysical Research: Solid Earth, 2013, 118, 2847-2864.	3.4	268
8	Distributed damage, faulting, and friction. Journal of Geophysical Research, 1997, 102, 27635-27649.	3.3	255
9	Cracks, pulses and macroscopic asymmetry of dynamic rupture on a bimaterial interface with velocity-weakening friction. Geophysical Journal International, 2008, 173, 674-692.	2.4	245
10	Statistics of Earthquakes in Simple Models of Heterogeneous Faults. Physical Review Letters, 1997, 78, 4885-4888.	7.8	244
11	Earthquake failure sequences along a cellular fault zone in a three-dimensional elastic solid containing asperity and nonasperity regions. Journal of Geophysical Research, 1993, 98, 14109-14131.	3.3	243
12	A simple analytic theory for the statistics of avalanches in sheared granular materials. Nature Physics, 2011, 7, 554-557.	16.7	226
13	Temporal Changes of Shallow Seismic Velocity Around the Karadere-Düzce Branch of the North Anatolian Fault and Strong Ground Motion. Pure and Applied Geophysics, 2006, 163, 567-600.	1.9	220
14	A shallow fault-zone structure illuminated by trapped waves in the Karadere-Duzce branch of the North Anatolian Fault, western Turkey. Geophysical Journal International, 2003, 152, 699-717.	2.4	217
15	Slip complexity in earthquake fault models.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3811-3818.	7.1	213
16	Dynamic simulations of slip on a smooth fault in an elastic solid. Journal of Geophysical Research, 1997, 102, 17771-17784.	3.3	209
17	Dynamic rupture on a material interface with spontaneous generation of plastic strain in the bulk. Earth and Planetary Science Letters, 2005, 236, 486-496.	4.4	207
18	Slip patterns and earthquake populations along different classes of faults in elastic solids. Journal of Geophysical Research, 1995, 100, 12959-12983.	3.3	202

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19	Pulverized rocks in the Mojave section of the San Andreas Fault Zone. <i>Earth and Planetary Science Letters</i> , 2006, 245, 642-654.	4.4	202
20	Geological Observations of Damage Asymmetry in the Structure of the San Jacinto, San Andreas and Punchbowl Faults in Southern California: A Possible Indicator for Preferred Rupture Propagation Direction. <i>Pure and Applied Geophysics</i> , 2006, 163, 301-349.	1.9	173
21	Pulverized fault rocks and damage asymmetry along the Arima-Takatsuki Tectonic Line, Japan. <i>Earth and Planetary Science Letters</i> , 2011, 308, 284-297.	4.4	165
22	Dynamic rupture on a bimaterial interface governed by slip-weakening friction. <i>Geophysical Journal International</i> , 2006, 165, 469-484.	2.4	161
23	Analysis of aftershocks in a lithospheric model with seismogenic zone governed by damage rheology. <i>Geophysical Journal International</i> , 2006, 165, 197-210.	2.4	151
24	Accelerated Seismic Release and Related Aspects of Seismicity Patterns on Earthquake Faults. <i>Pure and Applied Geophysics</i> , 2002, 159, 2385-2412.	1.9	150
25	Earthquake cycle, fault zones, and seismicity patterns in a rheologically layered lithosphere. <i>Journal of Geophysical Research</i> , 2001, 106, 4103-4120.	3.3	143
26	Properties and implications of dynamic rupture along a material interface. <i>Bulletin of the Seismological Society of America</i> , 1998, 88, 1085-1094.	2.3	140
27	Properties of seismic fault zone waves and their utility for imaging low-velocity structures. <i>Journal of Geophysical Research</i> , 1998, 103, 12567-12585.	3.3	139
28	Quantitative analysis of seismic fault zone waves in the rupture zone of the 1992 Landers, California, earthquake: evidence for a shallow trapping structure. <i>Geophysical Journal International</i> , 2003, 155, 1021-1041.	2.4	137
29	Seismic velocity structures in the southern California plate-boundary environment from double-difference tomography. <i>Geophysical Journal International</i> , 2012, 190, 1181-1196.	2.4	137
30	Shallow seismic trapping structure in the San Jacinto fault zone near Anza, California. <i>Geophysical Journal International</i> , 2005, 162, 867-881.	2.4	133
31	San Andreas Fault Zone Head Waves Near Parkfield, California. <i>Science</i> , 1991, 251, 1592-1594.	12.6	131
32	Seismic radiation from an <i>SH</i> line source in a laterally heterogeneous planar fault zone. <i>Bulletin of the Seismological Society of America</i> , 1990, 80, 971-994.	2.3	131
33	Parametrization of general seismic potency and moment tensors for source inversion of seismic waveform data. <i>Geophysical Journal International</i> , 2013, 194, 839-843.	2.4	130
34	Stress, slip, and earthquakes in models of complex single-fault systems incorporating brittle and creep deformations. <i>Journal of Geophysical Research</i> , 1996, 101, 5677-5706.	3.3	127
35	Systematic analysis of crustal anisotropy along the Karadere-D $\frac{1}{2}$ ce branch of the North Anatolian fault. <i>Geophysical Journal International</i> , 2004, 159, 253-274.	2.4	126
36	Self-driven mode switching of earthquake activity on a fault system. <i>Earth and Planetary Science Letters</i> , 1999, 172, 11-21.	4.4	115

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37	Basic data features and results from a spatially dense seismic array on the San Jacinto fault zone. <i>Geophysical Journal International</i> , 2015, 202, 370-380.	2.4	115
38	Seismic Tomography of the Southern California Plate Boundary Region from Noise-Based Rayleigh and Love Waves. <i>Pure and Applied Geophysics</i> , 2015, 172, 1007-1032.	1.9	112
39	Automatic picking of direct P, S seismic phases and fault zone head waves. <i>Geophysical Journal International</i> , 2014, 199, 368-381.	2.4	108
40	Gutenberg-Richter and characteristic earthquake behavior in simple mean-field models of heterogeneous faults. <i>Physical Review E</i> , 1998, 58, 1494-1501.	2.1	107
41	Aftershocks driven by afterslip and fluid pressure sweeping through a fault-fracture mesh. <i>Geophysical Research Letters</i> , 2017, 44, 8260-8267.	4.0	106
42	Dynamic rupture on an interface between a compliant fault zone layer and a stiffer surrounding solid. <i>Journal of Geophysical Research</i> , 2002, 107, ESE 6-1.	3.3	104
43	A viscoelastic damage model with applications to stable and unstable fracturing. <i>Geophysical Journal International</i> , 2004, 159, 1155-1165.	2.4	103
44	A global classification and characterization of earthquake clusters. <i>Geophysical Journal International</i> , 2016, 207, 608-634.	2.4	103
45	Three-dimensional perturbation solution for a dynamic planar crack moving unsteadily in a model elastic solid. <i>Journal of the Mechanics and Physics of Solids</i> , 1994, 42, 813-843.	4.8	102
46	Earthquake clusters in southern California II: Classification and relation to physical properties of the crust. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2865-2877.	3.4	102
47	Interaction of the San Andreas Fault Creeping Segment with Adjacent great rupture zones and earthquake recurrence at Parkfield. <i>Journal of Geophysical Research</i> , 1993, 98, 2135-2144.	3.3	100
48	Damage and seismic velocity structure of pulverized rocks near the San Andreas Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2813-2831.	3.4	100
49	Spatiotemporal variations of crustal anisotropy from similar events in aftershocks of the 1999 M7.4 İzmit and M7.1 Düzce, Turkey, earthquake sequences. <i>Geophysical Journal International</i> , 2005, 160, 1027-1043.	2.4	99
50	Non-linearity and temporal changes of fault zone site response associated with strong ground motion. <i>Geophysical Journal International</i> , 2009, 176, 265-278.	2.4	99
51	Seismic radiation from regions sustaining material damage. <i>Geophysical Journal International</i> , 2009, 178, 1351-1356.	2.4	98
52	Diversity of fault zone damage and trapping structures in the Parkfield section of the San Andreas Fault from comprehensive analysis of near fault seismograms. <i>Geophysical Journal International</i> , 2010, 183, 1579-1595.	2.4	96
53	Large earthquake cycles and intermittent criticality on heterogeneous faults due to evolving stress and seismicity. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	95
54	Structural Properties and Deformation Patterns of Evolving Strike-slip Faults: Numerical Simulations Incorporating Damage Rheology. <i>Pure and Applied Geophysics</i> , 2009, 166, 1537-1573.	1.9	94

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55	Abundant off-fault seismicity and orthogonal structures in the San Jacinto fault zone. <i>Science Advances</i> , 2017, 3, e1601946.	10.3	93
56	Potency-magnitude scaling relations for southern California earthquakes with $1.0 < ML < 7.0$ . <i>Geophysical Journal International</i> , 2002, 148, F1-F5.	2.4	90
57	The response of two joined quarter spaces to SHline sources located at the material discontinuity interface. <i>Geophysical Journal International</i> , 1989, 98, 213-222.	2.4	89
58	A new algorithm for three-dimensional joint inversion of body wave and surface wave data and its application to the Southern California plate boundary region. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3557-3569.	3.4	89
59	Earthquake-induced transformation of the lower crust. <i>Nature</i> , 2018, 556, 487-491.	27.8	89
60	Geological and geomorphologic asymmetry across the rupture zones of the 1943 and 1944 earthquakes on the North Anatolian Fault: possible signals for preferred earthquake propagation direction. <i>Geophysical Journal International</i> , 2008, 173, 483-504.	2.4	88
61	Appendix 2 Key formulas in earthquake seismology. <i>International Geophysics</i> , 2003, , 1857-1875.	0.6	84
62	High-resolution imaging of the Bear Valley section of the San Andreas fault at seismogenic depths with fault-zone head waves and relocated seismicity. <i>Geophysical Journal International</i> , 2005, 163, 152-164.	2.4	84
63	Universal mean moment rate profiles of earthquake ruptures. <i>Physical Review E</i> , 2006, 73, 056104.	2.1	84
64	Mechanics of grain-size reduction in fault zones. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	83
65	Seismic velocity structure in the Hot Springs and Trifurcation areas of the San Jacinto fault zone, California, from double-difference tomography. <i>Geophysical Journal International</i> , 2014, 198, 978-999.	2.4	82
66	Maximum earthquake magnitudes along different sections of the North Anatolian fault zone. <i>Tectonophysics</i> , 2016, 674, 147-165.	2.2	82
67	The generation of large earthquakes. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 26-39.	29.7	79
68	Properties of dynamic rupture and energy partition in a solid with a frictional interface. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 5-24.	4.8	78
69	A refined methodology for stress inversions of earthquake focal mechanisms. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8666-8687.	3.4	78
70	Train Traffic as a Powerful Noise Source for Monitoring Active Faults With Seismic Interferometry. <i>Geophysical Research Letters</i> , 2019, 46, 9529-9536.	4.0	78
71	Seismicity on a fault controlled by rate- and state-dependent friction with spatial variations of the critical slip distance. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	77
72	A non-local visco-elastic damage model and dynamic fracturing. <i>Journal of the Mechanics and Physics of Solids</i> , 2011, 59, 1752-1776.	4.8	75

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73	The response of two half spaces to point dislocations at the material interface. <i>Geophysical Journal International</i> , 1990, 101, 507-528.	2.4	74
74	Seasonal variations of seismic velocities in the San Jacinto fault area observed with ambient seismic noise. <i>Geophysical Journal International</i> , 2015, 202, 920-932.	2.4	74
75	A methodological approach towards high-resolution surface wave imaging of the San Jacinto Fault Zone using ambient-noise recordings at a spatially dense array. <i>Geophysical Journal International</i> , 2016, 206, 980-992.	2.4	74
76	High localization of primary slip zones in large earthquakes from paleoseismic trenches: Observations and implications for earthquake physics. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	73
77	Chemical and Physical Characteristics of Pulverized Tejon Lookout Granite Adjacent to the San Andreas and Garlock Faults: Implications for Earthquake Physics. <i>Pure and Applied Geophysics</i> , 2009, 166, 1725-1746.	1.9	72
78	Assessment of $P$ and $S$ wave energy radiated from very small shear-tensile seismic events in a deep South African mine. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3630-3641.	3.4	72
79	Ground Motion Prediction Equations in the San Jacinto Fault Zone: Significant Effects of Rupture Directivity and Fault Zone Amplification. <i>Pure and Applied Geophysics</i> , 2014, 171, 3045-3081.	1.9	70
80	Thermoelastic strain in a half-space covered by unconsolidated material. <i>Bulletin of the Seismological Society of America</i> , 1986, 76, 1447-1460.	2.3	70
81	A three-dimensional fluid-controlled earthquake model: Behavior and implications. <i>Journal of Geophysical Research</i> , 1999, 104, 10621-10638.	3.3	66
82	Critical Evolution of Damage Toward Systematic Size Failure in Crystalline Rock. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1969-1986.	3.4	66
83	A viscoelastic damage rheology and rate- and state-dependent friction. <i>Geophysical Journal International</i> , 2005, 161, 179-190.	2.4	64
84	Statistical properties of seismicity of fault zones at different evolutionary stages. <i>Geophysical Journal International</i> , 2007, 169, 515-533.	2.4	64
85	Scaling relations of earthquakes and aseismic deformation in a damage rheology model. <i>Geophysical Journal International</i> , 2008, 172, 651-662.	2.4	63
86	Seismic and Aseismic Preparatory Processes Before Large Stick-Slip Failure. <i>Pure and Applied Geophysics</i> , 2020, 177, 5741-5760.	1.9	63
87	Imaging the deep structure of the San Andreas Fault south of Hollister with joint analysis of fault zone head and direct arrivals. <i>Geophysical Journal International</i> , 2007, 169, 1028-1042.	2.4	61
88	Seismic velocity reduction and accelerated recovery due to earthquakes on the Longmenshan fault. <i>Nature Geoscience</i> , 2019, 12, 387-392.	12.9	61
89	Joint inversion of fault zone head waves and direct P arrivals for crustal structure near major faults. <i>Journal of Geophysical Research</i> , 1992, 97, 1943-1951.	3.3	60
90	Simulation of SH- and P-SV-wave propagation in fault zones. <i>Geophysical Journal International</i> , 1997, 128, 533-546.	2.4	58

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91	Shallow three-dimensional structure of the San Jacinto fault zone revealed from ambient noise imaging with a dense seismic array. <i>Geophysical Journal International</i> , 2019, 216, 896-905.	2.4	58
92	Fault-zone waves observed at the southern Joshua Tree earthquake rupture zone. <i>Bulletin of the Seismological Society of America</i> , 1994, 84, 761-767.	2.3	58
93	On Quantification of the Earthquake Source. <i>Seismological Research Letters</i> , 2001, 72, 151-152.	1.9	56
94	Volumetric and shear processes in crystalline rock approaching faulting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16234-16239.	7.1	56
95	Three-dimensional calculations of fault-zone-guided waves in various irregular structures. <i>Geophysical Journal International</i> , 2002, 151, 416-426.	2.4	55
96	Non-linear damage rheology and wave resonance in rocks. <i>Geophysical Journal International</i> , 2009, 178, 910-920.	2.4	54
97	Low-velocity zones along the San Jacinto Fault, Southern California, from body waves recorded in dense linear arrays. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8976-8990.	3.4	54
98	Characterization of Fault Zones. , 2003, , 677-715.		53
99	Application of high resolution DEM data to detect rock damage from geomorphic signals along the central San Jacinto Fault. <i>Geomorphology</i> , 2009, 113, 82-96.	2.6	52
100	Examining tendencies of in-plane rupture to migrate to material interfaces. <i>Geophysical Journal International</i> , 2006, 167, 807-819.	2.4	51
101	Asymmetric distribution of aftershocks on large faults in California. <i>Geophysical Journal International</i> , 2011, 185, 1288-1304.	2.4	50
102	Toward reliable automated estimates of earthquake source properties from body wave spectra. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4390-4407.	3.4	50
103	Characteristics of Airplanes and Helicopters Recorded by a Dense Seismic Array Near Anza California. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4783-4797.	3.4	50
104	Numerical Simulation of Fault Zone Guided Waves: Accuracy and 3-D Effects. <i>Pure and Applied Geophysics</i> , 2002, 159, 2067-2083.	1.9	49
105	Evidence for a bimaterial interface along the Mudurnu segment of the North Anatolian Fault Zone from polarization analysis of P waves. <i>Earth and Planetary Science Letters</i> , 2012, 327-328, 17-22.	4.4	49
106	Earthquake Declustering Using the Nearest-Neighbor Approach in Space-Time-Magnitude Domain. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2018JB017120.	3.4	49
107	Correlations of Seismicity Patterns in Southern California with Surface Heat Flow Data. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 3114-3123.	2.3	48
108	Dynamic Ruptures on a Frictional Interface with Off-Fault Brittle Damage: Feedback Mechanisms and Effects on Slip and Near-Fault Motion. <i>Pure and Applied Geophysics</i> , 2015, 172, 1243-1267.	1.9	48

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109	Dynamic earthquake rupture in the lower crust. <i>Science Advances</i> , 2019, 5, eaaw0913.	10.3	48
110	Localization and coalescence of seismicity before large earthquakes. <i>Geophysical Journal International</i> , 2020, 223, 561-583.	2.4	47
111	Characteristics of Ground Motion Generated by Wind Interaction With Trees, Structures, and Other Surface Obstacles. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8519-8539.	3.4	46
112	Quantifying focal mechanism heterogeneity for fault zones in central and southern California. <i>Geophysical Journal International</i> , 2010, 183, 433-450.	2.4	45
113	Seasonal variations of observed noise amplitudes at 2-18 Hz in southern California. <i>Geophysical Journal International</i> , 2011, 184, 860-868.	2.4	45
114	Characterization of pulverized granitoids in a shallow core along the San Andreas Fault, Littlerock, CA. <i>Geophysical Journal International</i> , 2011, 186, 401-417.	2.4	45
115	Horizontal polarization of ground motion in the Hayward fault zone at Fremont, California: dominant fault-high-angle polarization and fault-induced cracks. <i>Geophysical Journal International</i> , 2012, 188, 1255-1272.	2.4	45
116	Focal spot imaging based on zero lag cross-correlation amplitude fields: Application to dense array data at the San Jacinto fault zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8048-8067.	3.4	45
117	Guided Waves from Sources Outside Faults: An Indication for Shallow Fault Zone Structure?. <i>Pure and Applied Geophysics</i> , 2004, 161, 2125.	1.9	44
118	Variations of the velocity contrast and rupture properties of M6 earthquakes along the Parkfield section of the San Andreas fault. <i>Geophysical Journal International</i> , 2010, 180, 765-780.	2.4	44
119	Internal structure of the San Jacinto fault zone in the trifurcation area southeast of Anza, California, from data of dense seismic arrays. <i>Geophysical Journal International</i> , 2018, 213, 98-114.	2.4	44
120	Evolving geometrical and material properties of fault zones in a damage rheology model. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	43
121	Seasonal thermoelastic strain and postseismic effects in Parkfield borehole dilatometers. <i>Earth and Planetary Science Letters</i> , 2013, 379, 120-126.	4.4	43
122	Analysis of earthquake body wave spectra for potency and magnitude values: implications for magnitude scaling relations. <i>Geophysical Journal International</i> , 2016, 207, 1158-1164.	2.4	43
123	Isotropic source terms of San Jacinto fault zone earthquakes based on waveform inversions with a generalized CAP method. <i>Geophysical Journal International</i> , 2015, 200, 1269-1280.	2.4	42
124	Episodic tremor and slip on a frictional interface with critical zero weakening in elastic solid. <i>Geophysical Journal International</i> , 2012, 189, 1159-1168.	2.4	41
125	Along-strike rupture directivity of earthquakes of the 2009 L'Aquila, central Italy, seismic sequence. <i>Geophysical Journal International</i> , 2015, 203, 399-415.	2.4	41
126	Refined thresholds for non-linear ground motion and temporal changes of site response associated with medium-size earthquakes. <i>Geophysical Journal International</i> , 2010, 182, 1567-1576.	2.4	40



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127	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. <i>Tectonophysics</i> , 2017, 721, 56-69.	2.2	40
128	Tomography of Southern California Via Bayesian Joint Inversion of Rayleigh Wave Ellipticity and Phase Velocity From Ambient Noise Cross-Correlations. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9933-9949.	3.4	40
129	Imaging subsurface structures in the San Jacinto fault zone with high-frequency noise recorded by dense linear arrays. <i>Geophysical Journal International</i> , 2019, 217, 879-893.	2.4	40
130	Techniques and parameters to analyze seismicity patterns associated with large earthquakes. <i>Journal of Geophysical Research</i> , 1997, 102, 17785-17795.	3.3	39
131	The Role of Heterogeneities as a Tuning Parameter of Earthquake Dynamics. <i>Pure and Applied Geophysics</i> , 2005, 162, 1027-1049.	1.9	39
132	Observational analysis of correlations between aftershock productivities and regional conditions in the context of a damage rheology model. <i>Geophysical Journal International</i> , 2009, 177, 481-490.	2.4	39
133	Seismic fault zone trapped noise. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5786-5799.	3.4	39
134	Theoretical limits on detection and analysis of small earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5898-5916.	3.4	39
135	Numerical and theoretical analyses of in-plane dynamic rupture on a frictional interface and off-fault yielding patterns at different scales. <i>Geophysical Journal International</i> , 2013, 193, 304-320.	2.4	38
136	Seismic Imaging of a Bimaterial Interface Along the Hayward Fault, CA, with Fault Zone Head Waves and Direct P Arrivals. <i>Pure and Applied Geophysics</i> , 2014, 171, 2993-3011.	1.9	38
137	Extracting seismic attenuation coefficients from cross-correlations of ambient noise at linear triplets of stations. <i>Geophysical Journal International</i> , 2015, 203, 1149-1163.	2.4	38
138	Brittle deformation and damage-induced seismic wave anisotropy in rocks. <i>Geophysical Journal International</i> , 2009, 178, 901-909.	2.4	36
139	Internal structure of the San Jacinto fault zone at Jackass Flat from data recorded by a dense linear array. <i>Geophysical Journal International</i> , 2017, 209, 1369-1388.	2.4	36
140	Aftershocks resulting from creeping sections in a heterogeneous fault. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	35
141	Comment on "Material contrast does not predict earthquake rupture propagation direction" by R. A. Harris and S. M. Day. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	34
142	Nonlinear multidimensional scaling and visualization of earthquake clusters over space, time and feature space. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 117-128.	1.3	33
143	Earthquake activity related to seismic cycles in a model for a heterogeneous strike-slip fault. <i>Tectonophysics</i> , 2006, 423, 137-145.	2.2	33
144	Testing atmospheric and tidal earthquake triggering at Mt. Hochstaufen, Germany. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5442-5452.	3.4	33

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145	Detection of small earthquakes with dense array data: example from the San Jacinto fault zone, southern California. <i>Geophysical Journal International</i> , 2018, 212, 442-457.	2.4	33
146	Interaction of microseisms with crustal heterogeneity: A case study from the San Jacinto fault zone area. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2182-2197.	2.5	32
147	Damage‐breakage rheology model and solid-granular transition near brittle instability. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 64, 184-197.	4.8	32
148	Bimaterial interfaces at the Karadere segment of the North Anatolian Fault, northwestern Turkey. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 931-950.	3.4	32
149	Real-Time Automatic Detectors of P and S Waves Using Singular Value Decomposition. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 1696-1708.	2.3	31
150	Spatial variations of rock damage production by earthquakes in southern California. <i>Earth and Planetary Science Letters</i> , 2019, 512, 184-193.	4.4	31
151	Identifying Different Classes of Seismic Noise Signals Using Unsupervised Learning. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088353.	4.0	31
152	Shear heating during distributed fracturing and pulverization of rocks. <i>Geology</i> , 2013, 41, 139-142.	4.4	30
153	Artefacts of earthquake location errors and short-term incompleteness on seismicity clusters in southern California. <i>Geophysical Journal International</i> , 2015, 202, 1949-1968.	2.4	30
154	Estimating recurrence times and seismic hazard of large earthquakes on an individual fault. <i>Geophysical Journal International</i> , 2007, 170, 1300-1310.	2.4	29
155	Patterns of co-seismic strain computed from southern California focal mechanisms. <i>Geophysical Journal International</i> , 2009, 177, 1015-1036.	2.4	29
156	Directional resonance variations across the Pernicana Fault, Mt Etna, in relation to brittle deformation fields. <i>Geophysical Journal International</i> , 2013, 193, 986-996.	2.4	29
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