Peter M Shearer

List of Publications by Citations

225 papers	13,704 citations	66 h-index	108 g-index
240 ext. papers	15,452 ext. citations	7.8 avg, IF	7.09 L-index

#	Paper	IF	Citations
225	Extent, duration and speed of the 2004 Sumatra-Andaman earthquake imaged by the Hi-Net array. *Nature*, **2005**, 435, 933-6	50.4	487
224	Global variations of stress drop for moderate to large earthquakes. *Journal of Geophysical Research*, **2009**, 114,		424
223	Global mapping of topography on transition zone velocity discontinuities by stacking SS precursors. *Journal of Geophysical Research*, **1998**, 103, 2673-2692		360
222	A New Method for Determining First-Motion Focal Mechanisms. *Bulletin of the Seismological Society of America*, **2002**, 92, 2264-2276	2.3	312
221	A global view of the lithosphere-asthenosphere boundary. *Science*, **2009**, 324, 495-8	33.3	297
220	Water in the lower continental crust: modelling magnetotelluric and seismic reflection results. *Geophysical Journal International*, **1989**, 98, 343-365	2.6	282
219	Introduction to Seismology **2009**,		282
218	Waveform Relocated Earthquake Catalog for Southern California (1981 to June 2011). *Bulletin of the Seismological Society of America*, **2012**, 102, 2239-2244	2.3	277
217	Constraints on upper mantle discontinuities from observations of long-period reflected and converted phases. *Journal of Geophysical Research*, **1991**, 96, 18147		260
216	Global mapping of topography on the 660-km discontinuity. *Nature*, **1992**, 355, 791-796	50.4	228
215	Shear and compressional velocity models of the mantle from cluster analysis of long-period waveforms. *Geophysical Journal International*, **2008**, 174, 195-212	2.6	218
214	Seismic imaging of upper-mantle structure with new evidence for a 520-km discontinuity. *Nature*, **1990**, 344, 121-126	50.4	213
213	Comprehensive analysis of earthquake source spectra in southern California. *Journal of Geophysical Research*, **2006**, 111, n/a-n/a		189
212	Improving local earthquake locations using the L1 norm and waveform cross correlation: Application to the Whittier Narrows, California, aftershock sequence. *Journal of Geophysical Research*, **1997**, 102, 8269-8283		188
211	Characterization of global seismograms using an automatic-picking algorithm. *Bulletin of the Seismological Society of America*, **1994**, 84, 366-376	2.3	188
210	A survey of 71 earthquake bursts across southern California: Exploring the role of pore fluid pressure fluctuations and aseismic slip as drivers. *Journal of Geophysical Research*, **2006**, 111, n/a-n/a		182
209	Seismic and geodetic evidence for extensive, long-lived fault damage zones. *Geology*, **2009**, 37, 315-318	5	176

208	Using S/P Amplitude Ratios to Constrain the Focal Mechanisms of Small Earthquakes. *Bulletin of the Seismological Society of America*, **2003**, 93, 2434-2444	2.3	165
207	Global mapping of upper mantle reflectors from long-period SS precursors. *Geophysical Journal International*, **1993**, 115, 878-904	2.6	162
206	Seismic evidence for small-scale heterogeneity throughout the Earth's mantle. *Nature*, **1997**, 387, 145-150	50.4	156
205	Deformation on nearby faults induced by the 1999 Hector Mine earthquake. *Science*, **2002**, 297, 1858-62	33.3	149
204	Seismic Velocity and Density Jumps Across the 410- and 660-Kilometer Discontinuities. *Science*, **1999**, 285, 1545-1548	33.3	136
203	Southern California Hypocenter Relocation with Waveform Cross-Correlation, Part 2: Results Using Source-Specific Station Terms and Cluster Analysis. *Bulletin of the Seismological Society of America*, **2005**, 95, 904-915	2.3	132
202	Compressional and shear wave anisotropy in the oceanic lithosphere - the Ngendei seismic refraction experiment. *Geophysical Journal International*, **1986**, 87, 967-1003	2.6	130
201	Community Fault Model (CFM) for Southern California. *Bulletin of the Seismological Society of America*, **2007**, 97, 1793-1802	2.3	128
200	Computing a Large Refined Catalog of Focal Mechanisms for Southern California (1981-2010): Temporal Stability of the Style of Faulting. *Bulletin of the Seismological Society of America*, **2012**, 102, 1179-1194	2.3	125
199	Earthquake source scaling and self-similarity estimation from stacking P and S spectra. *Journal of Geophysical Research*, **2004**, 109,		123
198	A global study of transition zone thickness using receiver functions. *Journal of Geophysical Research* , **2006**, 111, n/a-n/a		121
197	Global P, PP, and PKP wave microseisms observed from distant storms. *Geophysical Research Letters*, **2008**, 35,	4.9	120
196	Applying a three-dimensional velocity model, waveform cross correlation, and cluster analysis to locate southern California seismicity from 1981 to 2005. *Journal of Geophysical Research*, **2007**, 112,		119
195	Lateral variations in D? thickness from long-period shear wave data. *Journal of Geophysical Research* , **1994**, 99, 11575-11590		119
194	Spatial and temporal stress drop variations in small earthquakes near Parkfield, California. *Journal of Geophysical Research*, **2007**, 112,		118
193	Searching for hidden earthquakes in Southern California. *Science*, **2019**, 364, 767-771	33.3	115
192	Detailed rupture imaging of the 25 April 2015 Nepal earthquake using teleseismic P waves. *Geophysical Research Letters*, **2015**, 42, 5744-5752	4.9	114
191	An elusive blind-thrust fault beneath metropolitan los angeles. *Science*, **1999**, 283, 1516-8	33.3	113

190	Slip segmentation and slow rupture to the trench during the 2015, Mw8.3 Illapel, Chile earthquake. *Geophysical Research Letters*, **2016**, 43, 961-966	4.9	112
189	Quantitative measurements of shear wave polarizations at the Anza Seismic Network, southern California: Implications for shear wave splitting and earthquake prediction. *Journal of Geophysical Research*, **1990**, 95, 12449		109
188	Constraints on inner core anisotropy from PKP(DF) travel times. *Journal of Geophysical Research*, **1994**, 99, 19647-19659		106
187	Earthquake locations in southern California obtained using source-specific station terms. *Journal of Geophysical Research*, **2000**, 105, 10939-10960		103
186	GrowClust: A Hierarchical Clustering Algorithm for Relative Earthquake Relocation, with Application to the Spanish Springs and Sheldon, Nevada, Earthquake Sequences. *Seismological Research Letters*, **2017**, 88, 379-391	3	99
185	Transition zone velocity gradients and the 520-km discontinuity. *Journal of Geophysical Research*, **1996**, 101, 3053-3066		99
184	Seismic source spectra and estimated stress drop derived from cohesive-zone models of circular subshear rupture. *Geophysical Journal International*, **2014**, 197, 1002-1015	2.6	97
183	Inner Core Attenuation From Short-PeriodPkp(Bc)VersusPkp(Df)Waveforms. *Geophysical Journal International*, **1993**, 114, 1-11	2.6	96
182	Variability of seismic source spectra, estimated stress drop, and radiated energy, derived from cohesive-zone models of symmetrical and asymmetrical circular and elliptical ruptures. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 1053-1079	3.6	93
181	Compressive sensing of the Tohoku-Oki Mw 9.0 earthquake: Frequency-dependent rupture modes. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	93
180	The density and shear velocity contrast at the inner core boundary. *Geophysical Journal International*, **1990**, 102, 491-498	2.6	93
179	Southern California Hypocenter Relocation with Waveform Cross-Correlation, Part 1: Results Using the Double-Difference Method. *Bulletin of the Seismological Society of America*, **2005**, 95, 896-903	2.3	89
178	Attenuation models (QP and QS) in three dimensions of the southern California crust: Inferred fluid saturation at seismogenic depths. *Journal of Geophysical Research*, **2006**, 111, n/a-n/a		88
177	An analysis of large-scale variations in small-scale mantle heterogeneity using Global Seismographic Network recordings of precursors to PKP. *Journal of Geophysical Research*, **2000**, 105, 13655-13673		88
176	Summary of seismological constraints on the structure of the Earth's core. *Journal of Geophysical Research*, **1990**, 95, 21691		87
175	Anisotropy in the oceanic lithosphere -- theory and observations from the Ngendei seismic refraction experiment in the south-west Pacific. *Geophysical Journal International*, **1985**, 80, 493-526	2.6	86
174	Determination and analysis of long-wavelength transition zone structure usingSSprecursors. *Geophysical Journal International*, **2008**, 174, 178-194	2.6	85
173	PKP(BC) versus PKP(DF) differential travel times and aspherical structure in the Earth's inner core. *Journal of Geophysical Research*, **1991**, 96, 2233		82

172	Axi-symmetric Earth models and inner-core anisotropy. *Nature*, **1988**, 333, 228-232	50.4	82
171	Imaging mantle transition zone thickness withSdS-SSfinite-frequency sensitivity kernels. *Geophysical Journal International*, **2008**, 174, 143-158	2.6	80
170	Seismic wave observations with the Global Positioning System. *Journal of Geophysical Research*, **2001**, 106, 21897-21916		80
169	Imaging global body wave phases by stacking long-period seismograms. *Journal of Geophysical Research*, **1991**, 96, 20353-20364		80
168	Lessons Learned from the 2004 Sumatra-Andaman Megathrust Rupture. *Annual Review of Earth and Planetary Sciences*, **2010**, 38, 103-131	15.3	78
167	Global lateral variations of shear wave attenuation in the upper mantle. *Journal of Geophysical Research*, **1996**, 101, 22273-22289		78
166	Teleseismic P wave imaging of the 26 December 2004 Sumatra-Andaman and 28 March 2005 Sumatra earthquake ruptures using the Hi-net array. *Journal of Geophysical Research*, **2007**, 112,		77
165	The global short-period wavefield modelled with a Monte Carlo seismic phonon method. *Geophysical Journal International*, **2004**, 158, 1103-1117	2.6	77
164	Rupture details of the 28 March 2005 Sumatra Mw 8.6 earthquake imaged with teleseismic P waves. *Geophysical Research Letters*, **2005**, 32,	4.9	73
163	Locking depths estimated from geodesy and seismology along the San Andreas Fault System: Implications for seismic moment release. *Journal of Geophysical Research*, **2011**, 116,		71
162	Imaging the lithosphere-asthenosphere boundary beneath the Pacific using SS waveform modeling. *Journal of Geophysical Research*, **2011**, 116,		69
161	A map of topography on the 410-km discontinuity from PP precursors. *Geophysical Research Letters*, **1999**, 26, 549-552	4.9	68
160	Scattered wave imaging of the lithosphere□asthenosphere boundary. *Lithos*, **2010**, 120, 173-185	2.9	67
159	Seismic migration processing of P-SV converted phases for mantle discontinuity structure beneath the Snake River Plain, western United States. *Journal of Geophysical Research*, **2000**, 105, 19055-19065		66
158	New perspectives on self-similarity for shallow thrust earthquakes. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 6533-6565	3.6	65
157	Cracked media, Poisson's ratio and the structure of the upper oceanic crust. *Geophysical Journal International*, **1988**, 92, 357-362	2.6	64
156	Illuminating the near-sonic rupture velocities of the intracontinental Kokoxili Mw 7.8 and Denali fault Mw 7.9 strike-slip earthquakes with global P wave back projection imaging. *Journal of Geophysical Research*, **2009**, 114,		63
155	Seismic imaging of melt in a displaced Hawaiian plume. *Nature Geoscience*, **2013**, 6, 657-660	18.3	60

154	Spatial migration of earthquakes within seismic clusters in Southern California: Evidence for fluid diffusion. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		60
153	Seismic constraints on mantle flow and topography of the 660-km discontinuity: evidence for whole-mantle convection. *Nature*, **1993**, 365, 506-511	50.4	60
152	Observations of PKKP Precursors Used to Estimate Small-Scale Topography on the Core-Mantle Boundary. *Science*, **1997**, 277, 667-670	33.3	59
151	Upper mantle seismic discontinuities. *Geophysical Monograph Series*, **2000**, 115-131	1.1	56
150	Global seismic event detection using a matched filter on long-period seismograms. *Journal of Geophysical Research*, **1994**, 99, 13713-13725		56
149	California foreshock sequences suggest aseismic triggering process. *Geophysical Research Letters*, **2013**, 40, 2602-2607	4.9	55
148	Comprehensive analysis of earthquake source spectra and swarms in the Salton Trough, California. *Journal of Geophysical Research*, **2011**, 116,		55
147	Experiments in migration processing of SS precursor data to image upper mantle discontinuity structure. *Journal of Geophysical Research*, **1999**, 104, 7229-7242		55
146	Upper mantle anisotropy from long-period P polarization. *Journal of Geophysical Research*, **2001**, 106, 21917-21934		54
145	Ray tracing in azimuthally anisotropic media-II. Quasi-shear wave coupling. *Geophysical Journal International*, **1989**, 96, 65-83	2.6	54
144	Compressive sensing of frequency-dependent seismic radiation from subduction zone megathrust ruptures. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4512-4517	11.5	53
143	Three-dimensional seismic velocity structure of Mauna Loa and Kilauea volcanoes in Hawaii from local seismic tomography. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 4377-4392	3.6	52
142	A high-frequency secondary event during the 2004 Parkfield earthquake. *Science*, **2007**, 318, 1279-83	33.3	52
141	Global risk of big earthquakes has not recently increased. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 717-21	11.5	51
140	Rupture directivity of small earthquakes at Parkfield. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 212-221	3.6	50
139	A California Statewide Three-Dimensional Seismic Velocity Model from Both Absolute and Differential Times. *Bulletin of the Seismological Society of America*, **2010**, 100, 225-240	2.3	50
138	Mantle fault zone beneath Kilauea Volcano, Hawaii. *Science*, **2003**, 300, 478-80	33.3	50
137	Crustal earthquake bursts in California and Japan: Their patterns and relation to volcanoes. *Geophysical Research Letters*, **2006**, 33,	4.9	49

136	Dynamics of the 2015 M7.8 Nepal earthquake. *Geophysical Research Letters*, **2015**, 42, 7467-7475	4.9	48
135	Microseisms and hum from ocean surface gravity waves. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		47
134	A three-dimensional crustal seismic velocity model for southern California from a composite event method. *Journal of Geophysical Research*, **2007**, 112,		47
133	High-frequency borehole seismograms recorded in the San Jcinto Fault zone, Southern California Part 2. Attenuation and site effects. *Bulletin of the Seismological Society of America*, **1991**, 81, 1081-1100	2.3	47
132	Confidence intervals for earthquake source parameters. *Geophysical Journal International*, **2007**, 168, 1227-1234	2.6	45
131	Analysis of similar event clusters in aftershocks of the 1994 Northridge, California, earthquake. *Journal of Geophysical Research*, **2003**, 108,		45
130	Mapping lateral variations in upper mantle attenuation by stacking P and PP spectra. *Journal of Geophysical Research*, **2002**, 107, ESE 6-1-ESE 6-11		45
129	Topography on the 410-km seismic velocity discontinuity near subduction zones from stacking of sS, sP, and pP precursors. *Journal of Geophysical Research*, **1998**, 103, 21165-21182		45
128	Ray tracing in azimuthally anisotropic media-I. Results for models of aligned cracks in the upper crust. *Geophysical Journal International*, **1989**, 96, 51-64	2.6	45
127	Ray tracing in anisotropic media with a linear gradient. *Geophysical Journal International*, **1988**, 94, 575-580	2.6	45
126	Systematic relocation of seismicity on Hawaii Island from 1992 to 2009 using waveform cross correlation and cluster analysis. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 2275-2288	3.6	44
125	Pn tomography of the western United States using USArray. *Journal of Geophysical Research*, **2010**, 115,		44
124	Earthquake dynamics. Supershear rupture in a M(w) 6.7 aftershock of the 2013 Sea of Okhotsk earthquake. *Science*, **2014**, 345, 204-7	33.3	43
123	Evidence for water-filled cracks in earthquake source regions. *Geophysical Research Letters*, **2009**, 36,	4.9	43
122	Self-similar earthquake triggering, Bath's law, and foreshock/aftershock magnitudes: Simulations, theory, and results for southern California. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		42
121	Uppermost mantle seismic velocity structure beneath USArray. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 436-448	3.6	41
120	Constraining seismic velocity and density for the mantle transition zone with reflected and transmitted waveforms. *Geochemistry, Geophysics, Geosystems*, **2006**, 7, n/a-n/a	3.6	41
119	Tests of relative earthquake location techniques using synthetic data. *Journal of Geophysical Research*, **2005**, 110,		40

118	Strong Correlation between Stress Drop and Peak Ground Acceleration for Recent M□1□4 Earthquakes in the San Francisco Bay Area. *Bulletin of the Seismological Society of America*, **2018**, 108, 929-945	2.3	40
117	Estimating crustal thickness in southern California by stacking PmP arrivals. *Journal of Geophysical Research*, **1997**, 102, 15211-15224		39
116	Initial shear wave particle motions and stress constraints at the Anza Seismic Network. *Geophysical Journal International*, **1992**, 108, 740-748	2.6	39
115	Application of an improved spectral decomposition method to examine earthquake source scaling in Southern California. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 2890-2910	3.6	38
114	Spectral Discrimination between Quarry Blasts and Earthquakes in Southern California. *Bulletin of the Seismological Society of America*, **2008**, 98, 2073-2079	2.3	38
113	Resolving P-wave travel-time anomalies using seismic array observations of oceanic storms. *Earth and Planetary Science Letters*, **2010**, 292, 419-427	5.3	34
112	Estimating Local Vp/Vs Ratios within Similar Earthquake Clusters. *Bulletin of the Seismological Society of America*, **2007**, 97, 379-388	2.3	34
111	Local near instantaneously dynamically triggered aftershocks of large earthquakes. *Science*, **2016**, 353, 1133-6	33.3	34
110	Comparing EGF Methods for Estimating Corner Frequency and Stress Drop From P Wave Spectra. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 3966-3986	3.6	33
109	Stress drop variations among small earthquakes before the 2011 Tohoku-oki, Japan, earthquake and implications for the main shock. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 7164-7174	3.6	33
108	Subevent location and rupture imaging using iterative backprojection for the 2011 Tohoku Mw 9.0 earthquake. *Geophysical Journal International*, **2012**, 190, 1152-1168	2.6	33
107	Stress-drop heterogeneity within tectonically complex regions: a case study of San Gorgonio Pass, southern California. *Geophysical Journal International*, **2015**, 202, 514-528	2.6	33
106	High-frequency P-wave seismic noise driven by ocean winds. *Geophysical Research Letters*, **2009**, 36,	4.9	33
105	Introduction to Seismology **2019**,		32
104	Reconciling discrepancies among estimates of small-scale mantle heterogeneity from PKP precursors. *Geophysical Journal International*, **2013**, 195, 1721-1729	2.6	31
103	Insights into the mechanism of intermediate-depth earthquakes from source properties as imaged by back projection of multiple seismic phases. *Journal of Geophysical Research*, **2011**, 116,		31
102	New events discovered in the Apollo lunar seismic data. *Journal of Geophysical Research*, **2005**, 110,		31
101	Characteristics of deep (□13 km) Hawaiian earthquakes and Hawaiian earthquakes west of 155.55□W. *Geochemistry, Geophysics, Geosystems*, **2004**, 5, n/a-n/a	3.6	31

100	Earthquake Locations in the Inner Continental Borderland, Offshore Southern California. *Bulletin of the Seismological Society of America*, **2000**, 90, 425-449	2.3	31
99	Source Spectral Properties of Small to Moderate Earthquakes in Southern Kansas. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 8021-8034	3.6	30
98	Stress-induced upper crustal anisotropy in southern California. *Journal of Geophysical Research*, **2011**, 116,		30
97	Automated detection and cataloging of global explosive volcanism using the International Monitoring System infrasound network. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 2946-2971	3.6	29
96	Report on the August 2012 Brawley Earthquake Swarm in Imperial Valley, Southern California. *Seismological Research Letters*, **2013**, 84, 177-189	3	29
95	A sporadic low-velocity layer atop the 410‐km discontinuity beneath the Pacific Ocean. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 5144-5159	3.6	29
94	A comparison of long-term changes in seismicity at The Geysers, Salton Sea, and Coso geothermal fields. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 225-247	3.6	29
93	Space-time clustering of seismicity in California and the distance dependence of earthquake triggering. *Journal of Geophysical Research*, **2012**, 117,		27
92	Spatio-temporal distribution of fault slip and high-frequency radiation of the 2010 El Mayor-Cucapah, Mexico earthquake. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 1546-1555	3.6	27
91	Temporal and spatial properties of some deep moonquake clusters. *Journal of Geophysical Research* , **2007**, 112,		27
90	Parallel fault strands at 9-km depth resolved on the Imperial Fault, Southern California. *Geophysical Research Letters*, **2002**, 29, 19-1-19-4	4.9	27
89	PKP and PKKP precursor observations: Implications for the small-scale structure of the deep mantle and core. *Geodynamic Series*, **1998**, 37-55		26
88	Quantifying Seismic Source Parameter Uncertainties. *Bulletin of the Seismological Society of America*, **2011**, 101, 535-543	2.3	25
87	Seismically active wedge structure beneath the Coalinga anticline, San Joaquin basin, California. *Journal of Geophysical Research*, **2007**, 112,		25
86	Investigating the frequency dependence of mantle Q by stacking P and PP spectra. *Journal of Geophysical Research*, **2000**, 105, 25391-25402		25
85	observations of high‐frequency scattered energy associated with the core PhasePKKP. *Geophysical Research Letters*, **1998**, 25, 405-408	4.9	24
84	Reply [to "Comment on "Quantitative measurements of shear wave polarizations at the Anza Seismic Network, southern California: Implications for shear wave splitting and earthquake prediction" by Richard C. Aster, Peter M. Shearer, and Jon Berger"] *Journal of Geophysical Research*, **1991**, 96, 6415-6419		24
83	Evidence from a cluster of small earthquakes for a fault at 18 km depth beneath Oak Ridge, southern California. *Bulletin of the Seismological Society of America*, **1998**, 88, 1327-1336	2.3	24

82	Mapping attenuation beneath North America using waveform cross-correlation and cluster analysis. *Geophysical Research Letters*, **2006**, 33,	4.9	23
81	Constraints on temporal variations in velocity near Anza, California, from analysis of similar event pairs. *Bulletin of the Seismological Society of America*, **1995**, 85, 194-206	2.3	23
80	Anisotropy and Vp/Vs in the uppermost mantle beneath the western United States from joint analysis of Pn and Sn phases. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 1200-1219	3.6	22
79	Chapter 6 Observing and Modeling Elastic Scattering in the Deep Earth. *Advances in Geophysics*, **2008**, 167-193	4.8	22
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77	Source mechanism of small long-period events at Mount St. Helens in July 2005 using template matching, phase-weighted stacking, and full-waveform inversion. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 6351-6364	3.6	21
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71	On the structure of the lowermost mantle beneath the southwest Pacific, southeast Asia and Australasia. *Physics of the Earth and Planetary Interiors*, **1995**, 92, 85-98	2.3	20
70	High-frequency borehole seismograms recorded in the San Jacinto Fault zone, Southern California. Part 1. Polarizations. *Bulletin of the Seismological Society of America*, **1991**, 81, 1057-1080	2.3	20
69	High-precision relocation of long-period events beneath the summit region of K□auea Volcano, Hawai□ from 1986 to 2009. *Geophysical Research Letters*, **2014**, 41, 3413-3421	4.9	19
68	Cascadia tremor spectra: Low corner frequencies and earthquake-like high-frequency falloff. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	19
67	Infrasound events detected with the Southern California Seismic Network. *Geophysical Research Letters*, **2006**, 33,	4.9	19
66	Rupture evolution of the 2006 Java tsunami earthquake and the possible role of splay faults. *Tectonophysics*, **2017**, 721, 143-150	3.1	18
65	Multiple branching rupture of the 2009 Tonga-Samoa earthquake. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 5809-5827	3.6	18

64	A new method to identify earthquake swarms applied to seismicity near the San Jacinto Fault, California. *Geophysical Journal International*, **2016**, 205, 995-1005	2.6	18
63	On the visibility of the inner-core shear wave phase PKJKP at long periods. *Geophysical Journal International*, **2011**, 185, 1379-1383	2.6	18
62	Inner-core fine-scale structure from scattered waves recorded by LASA. *Journal of Geophysical Research*, **2008**, 113,		18
61	Fault interactions and triggering during the 10 January 2012 Mw 7.2 Sumatra earthquake. *Geophysical Research Letters*, **2016**, 43, 1934-1942	4.9	17
60	Kinematic earthquake rupture inversion in the frequency domain. *Geophysical Journal International*, **2014**, 199, 1138-1160	2.6	17
59	Resolving crustal thickness using SS waveform stacks. *Geophysical Journal International*, **2010**, 180, 1128-1137	2.6	17
58	No clear evidence for localized tidal periodicities in earthquakes in the central Japan region. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 6317-6328	3.6	16
57	Constraints on the heterogeneity spectrum of Earth's upper mantle. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 3703-3721	3.6	16
56	Uncertainties in Earthquake Source Spectrum Estimation Using Empirical Green Functions. *Geophysical Monograph Series*, **2006**, 69-74	1.1	16
55	Analysis of Foreshock Sequences in California and Implications for Earthquake Triggering. *Pure and Applied Geophysics*, **2016**, 173, 133-152	2.2	15
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53	Location and size of the shallow magma reservoir beneath K□auea caldera, constraints from near-source Vp/Vs ratios. *Geophysical Research Letters*, **2015**, 42, 8349-8357	4.9	15
52	The 3 August 2009 Mw 6.9 Canal de Ballenas Region, Gulf of California, Earthquake and Its Aftershocks. *Bulletin of the Seismological Society of America*, **2011**, 101, 929-939	2.3	15
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50	Afterslip Enhanced Aftershock Activity During the 2017 Earthquake Sequence Near Sulphur Peak, Idaho. *Geophysical Research Letters*, **2018**, 45, 5352-5361	4.9	14
49	Localized imaging of the uppermost mantle with USArray Pn data. *Journal of Geophysical Research*, **2012**, 117,		14
48	Mantle earthquakes in the Himalayan collision zone. *Geology*, **2019**, 47, 815-819	5	13
47	Using direct and coda wave envelopes to resolve the scattering and intrinsic attenuation structure of Southern California. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 7236-7251	3.6	13

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