Nikolai M Shapiro

List of Publications by Year
in descending order

164 papers	15,917 citations	25034 57 h-index	16650 123 g-index
174 all docs	174 docs citations	174 times ranked	6443 citing authors

#	Article	IF	Citations
1	Seismic tremor reveals active trans-crustal magmatic system beneath Kamchatka volcanoes. Science Advances, 2022, 8, eabj1571.	10.3	13
2	Energy Classification of Acoustic Events Using the Coda of a Signal. Seismic Instruments, 2022, 58, 18-25.	0.3	0
3	New Model of the Rupture Surface of the Mw = 7.8 Near Islands Aleutian Earthquake of July 17, 2017 Based on SAR Interferometry. Izvestiya, Physics of the Solid Earth, 2022, 58, 230-242.	0.9	0
4	Classification of volcanic tremors and earthquakes based on seismic correlation: application at Sakurajima volcano, Japan. Geophysical Journal International, 2022, 229, 1077-1097.	2.4	9
5	Rapid Characterization of Large Volcanic Eruptions: Measuring the Impulse of the Hunga Tonga Haâ€™apai Explosion From Teleseismic Waves. Geophysical Research Letters, 2022, 49, .	4.0	90
6	Seismic, Ambient Noise Correlation. Encyclopedia of Earth Sciences Series, 2021, , 1557-1562.	0.1	1
7	Characterizing the oceanic ambient noise as recorded by the dense seismo-acoustic Kazakh network. Solid Earth, 2021, 12, 503-520.	2.8	4
8	RÃ‰SIF-SI: A Distributed Information System for French Seismological Data. Seismological Research Letters, 2021, 92, 1832-1853.	1.9	9
9	Thermal remote sensing reveals communication between volcanoes of the Klyuchevskoy Volcanic Group. Scientific Reports, 2021, 11, 13090.	3.3	13
10	Episodicity and Migration of Low Frequency Earthquakes Modeled With Fast Fluid Pressure Transients in the Permeable Subduction Interface. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021894.	3.4	13
11	Effective seismic wave velocities and attenuation in partially molten rocks. Earth and Planetary Science Letters, 2021, 572, 117117.	4.4	3
12	Seismic Tomography of Volcanoes. , 2021, , 1-18.		8
13	Complexity of Deep Lowâ€Frequency Earthquake Activity in Shikoku (Japan) Imaged From the Analysis of Continuous Seismic Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022138.	3.4	6
14	On the Connection between the 2008â€“2009 Activation of the Koryakskii Volcano and Deep Magmatic Processes. Izvestiya, Physics of the Solid Earth, 2021, 57, 819-824.	0.9	0
15	The Structure of the Upper Crust beneath the Kambalny Volcano (South Kamchatka) Revealed from Ambient Noise Tomography. Doklady Earth Sciences, 2021, 501, 933-937.	0.7	0
16	The Magma Feeding System of the Klyuchevskaya Group of Volcanoes (Kamchatka). Doklady Earth Sciences, 2020, 493, 627-631.	0.7	3
17	Peculiarities of Subduction in the Junction of the Kurilâ€“Kamchatka and Aleutian Island Arcs. Doklady Earth Sciences, 2020, 494, 790-794.	0.7	2
18	Deep long period volcanic earthquakes generated by degassing of volatile-rich basaltic magmas. Nature Communications, 2020, 11, 3918.	12.8	27

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19	Mantle and Crustal Sources of Magmatic Activity of Klyuchevskoy and Surrounding Volcanoes in Kamchatka Inferred From Earthquake Tomography. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020097.	3.4	29
20	Recurrence of Deep Long-Period Earthquakes beneath the Klyuchevskoi Volcano Group, Kamchatka. Izvestiya, Physics of the Solid Earth, 2020, 56, 749-761.	0.9	4
21	Clustering of Long-Period Earthquakes Beneath Gorely Volcano (Kamchatka) during a Degassing Episode in 2013. Geosciences (Switzerland), 2020, 10, 230.	2.2	5
22	Detection, Classification, and Location of Seismovolcanic Signals with Multicomponent Seismic Data: Example from the Piton de La Fournaise Volcano (La RÃ©union, France). Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019333.	3.4	17
23	Momentâ€Duration Scaling of Lowâ€Frequency Earthquakes in Guerrero, Mexico. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019099.	3.4	16
24	Magmatic and Sedimentary Structure beneath the Klyuchevskoy Volcanic Group, Kamchatka, From Ambient Noise Tomography. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018900.	3.4	23
25	Seismic, Ambient Noise Correlation. Encyclopedia of Earth Sciences Series, 2020, , 1-6.	0.1	0
26	A Joint Study of Seismicity and SAR Interferometry Observations for Assessing the Possibility of an Eruption of the Dormant Bolshaya Udina Volcano. Journal of Volcanology and Seismology, 2020, 14, 305-317.	0.7	0
27	Probabilistic Estimates of Hypocenters from the Data of Kamchatka Seismic Network Stations. Izvestiya, Physics of the Solid Earth, 2019, 55, 677-687.	0.9	5
28	Depth Migration of Seismovolcanic Tremor Sources Below the Klyuchevskoy Volcanic Group (Kamchatka) Determined From a Networkâ€Based Analysis. Geophysical Research Letters, 2019, 46, 8018-8030.	4.0	24
29	Estimates of Lithospheric Failure Cycle Parameters from Regional Earthquake Catalogues. Izvestiya, Physics of the Solid Earth, 2019, 55, 701-718.	0.9	4
30	Detection and analysis of a transient energy burst with beamforming of multiple teleseismic phases. Geophysical Journal International, 2018, 212, 14-24.	2.4	14
31	Networkâ€Based Detection and Classification of Seismovolcanic Tremors: Example From the Klyuchevskoy Volcanic Group in Kamchatka. Journal of Geophysical Research: Solid Earth, 2018, 123, 564-582.	3.4	38
32	Progressive reactivation of the volcanic plumbing system beneath Tolbachik volcano (Kamchatka,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	21
33	Joint inversion of the first overtone and fundamental mode for deep imaging at the Valhall oil field using ambient noise. Geophysical Journal International, 2018, 214, 122-132.	2.4	24
34	Lowâ€Frequency Earthquakes and Pore Pressure Transients in Subduction Zones. Geophysical Research Letters, 2018, 45, 11,083.	4.0	29
35	Spatio-temporal evolution of rockfall activity from 2007 to 2011 at the Piton de la Fournaise volcano inferred from seismic data. Journal of Volcanology and Geothermal Research, 2017, 333-334, 36-52.	2.1	27
36	Three different types of plumbing system beneath the neighboring active volcanoes of Tolbachik, Bezymianny, and Klyuchevskoy in Kamchatka. Journal of Geophysical Research: Solid Earth, 2017, 122, 3852-3874.	3.4	53

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37	Deep and shallow long-period volcanic seismicity linked by fluid-pressure transfer. Nature Geoscience, 2017, 10, 442-445.	12.9	90
38	Pre-processing ambient noise cross-correlations with equalizing the covariance matrix eigenspectrum. Geophysical Journal International, 2017, 210, 1432-1449.	2.4	31
39	Radial anisotropy in Valhall: ambient noise-based studies of Scholte and Love waves. Geophysical Journal International, 2017, 208, 1524-1539.	2.4	17
40	S-wave velocity model for several regions of the Kamchatka Peninsula from the cross correlations of ambient seismic noise. Izvestiya, Physics of the Solid Earth, 2017, 53, 341-352.	0.9	8
41	Understanding Kamchatkaâ€™s Extraordinary Volcano Cluster. Eos, 2017, , .	0.1	6
42	The evolving interaction of low-frequency earthquakes during transient slip. Science Advances, 2016, 2, e1501616.	10.3	31
43	Detecting seismic activity with a covariance matrix analysis of data recorded on seismic arrays. Geophysical Journal International, 2016, 204, 1430-1442.	2.4	38
44	4-D noise-based seismology at volcanoes: Ongoing efforts and perspectives. Journal of Volcanology and Geothermal Research, 2016, 321, 182-195.	2.1	39
45	Toward 4D Noiseâ€Based Seismic Probing of Volcanoes: Perspectives from a Largeâ€NExperiment on Piton de la Fournaise Volcano. Seismological Research Letters, 2016, 87, 15-25.	1.9	45
46	Repeating seismicity in the shallow crust modulated by transient stressÂperturbations. Tectonophysics, 2016, 687, 105-110.	2.2	9
47	Spatial coherence of the seismic wavefield continuously recorded by the USArray. Geophysical Research Letters, 2016, 43, 9644-9652.	4.0	16
48	Structure of magma reservoirs beneath <scp>M</scp>erapi and surrounding volcanic centers of <scp>C</scp>entral <scp>J</scp>ava modeled from ambient noise tomography. Geochemistry, Geophysics, Geosystems, 2016, 17, 4195-4211.	2.5	21
49	The feeder system of the Toba supervolcano from the slab to the shallow reservoir. Nature Communications, 2016, 7, 12228.	12.8	47
50	Experimental validation of theoretical methods to estimate the energy radiated by elastic waves during an impact. Journal of Sound and Vibration, 2016, 362, 176-202.	3.9	22
51	Radial anisotropy in Valhall from ambient noise surface wave tomography of Scholte and Love wave. , 2015, , .		0
52	Investigation of coseismic and postseismic processes using in situ measurements of seismic velocity variations in an underground mine. Geophysical Research Letters, 2015, 42, 9261-9269.	4.0	39
53	Uncovering the geodetic signature of silent slip through repeating earthquakes. Geophysical Research Letters, 2015, 42, 2774-2779.	4.0	86
54	Characterization of rockfalls from seismic signal: Insights from laboratory experiments. Journal of Geophysical Research: Solid Earth, 2015, 120, 7102-7137.	3.4	41

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55	Along-fault pore-pressure evolution during a slow-slip event in Guerrero, Mexico. Earth and Planetary Science Letters, 2015, 413, 135-143.	4.4	80
56	Probing the underbelly of a supervolcano. Science, 2015, 348, 758-759.	12.6	11
57	Detecting and locating volcanic tremors on the Klyuchevskoy group of volcanoes (Kamchatka) based on correlations of continuous seismic records. Geophysical Journal International, 2015, 203, 1001-1010.	2.4	57
58	Identification of surface wave higher modes using a methodology based on seismic noise and coda waves. Geophysical Journal International, 2015, 203, 856-868.	2.4	37
59	Threeâ€dimensional shear velocity anisotropic model of Piton de la Fournaise Volcano (La RÃ©union) Tj ETQq1 1 0.784314 rgBT /Ove	3.4	85
60	Seismic Tomography of Volcanoes. , 2015, , 3117-3134.		6
61	Explaining global patterns of microbarom observations with wave action models. Geophysical Journal International, 2014, 199, 1328-1337.	2.4	26
62	Broad-band acceleration time histories synthesis by coupling low-frequency ambient seismic field and high-frequency stochastic modelling. Geophysical Journal International, 2014, 199, 1784-1797.	2.4	10
63	Seismic velocity changes, strain rate and non-volcanic tremors during the 2009â€“2010 slow slip event in Guerrero, Mexico. Geophysical Journal International, 2014, 196, 447-460.	2.4	31
64	A large magmatic sill complex beneath the Toba caldera. Science, 2014, 346, 617-619.	12.6	162
65	Mapping pressurized volcanic fluids from induced crustal seismic velocity drops. Science, 2014, 345, 80-82.	12.6	234
66	Longâ€term dynamics of Piton de la Fournaise volcano from 13â€‰years of seismic velocity change measurements and GPS observations. Journal of Geophysical Research: Solid Earth, 2014, 119, 7654-7666.	3.4	33
67	Automatic detection of low-frequency earthquakes (LFEs) based on a beamformed network response. Geophysical Journal International, 2014, 197, 1215-1223.	2.4	41
68	Ambient noise surface wave tomography to determine the shallow shear velocity structure at Valhall: depth inversion with a Neighbourhood Algorithm. Geophysical Journal International, 2014, 198, 1514-1525.	2.4	86
69	Using systematically characterized lowâ€frequency earthquakes as a fault probe in Guerrero, Mexico. Journal of Geophysical Research: Solid Earth, 2014, 119, 7686-7700.	3.4	89
70	Antipodal focusing of seismic waves observed with the USArray. Geophysical Journal International, 2014, 199, 1030-1042.	2.4	6
71	Asymmetric caldera-related structures in the area of the Avacha group of volcanoes in Kamchatka as revealed by ambient noise tomography and deep seismic sounding. Journal of Volcanology and Geothermal Research, 2014, 285, 36-46.	2.1	33
72	Automated identification, location, and volume estimation of rockfalls at Piton de la Fournaise volcano. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1082-1105.	2.8	94

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73	Seismic noiseâ€based timeâ€lapse monitoring of the Valhall overburden. Geophysical Research Letters, 2014, 41, 4945-4952.	4.0	35
74	Near-surface study at the Valhall oil field from ambient noise surface wave tomography. Geophysical Journal International, 2013, 193, 1627-1643.	2.4	125
75	Helmholtz tomography of ambient noise surface wave data to estimate Scholte wave phase velocity at Valhall Life of the Field. Geophysics, 2013, 78, WA99-WA109.	2.6	33
76	Timing of a large volcanic flank movement at Piton de la Fournaise Volcano using noise-based seismic monitoring and ground deformation measurements. Geophysical Journal International, 2013, 195, 1132-1140.	2.4	43
77	Azimuthal anisotropy at Valhall: The Helmholtz equation approach. Geophysical Research Letters, 2013, 40, 2636-2641.	4.0	27
78	Lowâ€frequency earthquakes in the Mexican Sweet Spot. Geophysical Research Letters, 2013, 40, 2661-2666.	4.0	73
79	First Results from the UnderVolc High Resolution Seismic and GPS Network Deployed on Piton de la Fournaise Volcano. Seismological Research Letters, 2012, 83, 97-102.	1.9	49
80	Global oceanic microseism sources as seen by seismic arrays and predicted by wave action models. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	76
81	Temporal variations of nonâ€volcanic tremor (NVT) locations in the Mexican subduction zone: Finding the NVT sweet spot. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	66
82	Triggering of tremors and slow slip event in Guerrero, Mexico, by the 2010 Mw 8.8 Maule, Chile, earthquake. Journal of Geophysical Research, 2012, 117, .	3.3	77
83	Near Surface Structures and Anisotropy from Cross-correlations of Ambient Seismic Noise at the Valhall Oil Field. , 2012, , .		1
84	Imaging the dynamics of magma propagation using radiated seismic intensity. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	90
85	Seismic evidence of nonlinear crustal deformation during a large slow slip event in Mexico. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	107
86	Variations of crustal elastic properties during the 2009 L'Aquila earthquake inferred from cross-correlations of ambient seismic noise. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	40
87	Slope instabilities in Dolomieu crater, RÃ©union Island: From seismic signals to rockfall characteristics. Journal of Geophysical Research, 2011, 116, .	3.3	137
88	Monitoring volcanoes using seismic noise correlations. Comptes Rendus - Geoscience, 2011, 343, 633-638.	1.2	73
89	Nouveaux dÃ©veloppements de lâ€™imagerie et du suivi temporel Ã partir du bruit sismique. Comptes Rendus - Geoscience, 2011, 343, 487-495.	1.2	23
90	New approach to detect seismic surface waves in 1Hz-sampled GPS time series. Scientific Reports, 2011, 1, 44.	3.3	15

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91	Assessment of resolution and accuracy of the Moving Window Cross Spectral technique for monitoring crustal temporal variations using ambient seismic noise. Geophysical Journal International, 2011, 186, 867-882.	2.4	139
92	Seismic, Ambient Noise Correlation. Encyclopedia of Earth Sciences Series, 2011, , 1230-1236.	0.1	24
93	Joint inversion of the differential satellite interferometry and GPS data: A case study of Altai (Chuia) Earthquake of September 27, 2003. Izvestiya, Physics of the Solid Earth, 2010, 46, 91-103.	0.9	19
94	Detecting seasonal variations in seismic velocities within Los Angeles basin from correlations of ambient seismic noise. Geophysical Journal International, 2010, , .	2.4	73
95	Crustal Structure below the Valley of Mexico Estimated from Receiver Functions. Bulletin of the Seismological Society of America, 2010, 100, 3304-3311.	2.3	12
96	Origin of deep ocean microseisms by using teleseismic body waves. Journal of Geophysical Research, 2010, 115, .	3.3	158
97	Surface wave dispersion across Tibet: Direct evidence for radial anisotropy in the crust. Geophysical Research Letters, 2010, 37, .	4.0	34
98	The 2006 slow slip event and nonvolcanic tremor in the Mexican subduction zone. Geophysical Research Letters, 2010, 37, .	4.0	88
99	Seismic Coda Waves. , 2010, , .		0
100	Real time monitoring of relative velocity changes using ambient seismic noise at the Piton de la Fournaise volcano (La RÃ©union) from January 2006 to June 2007. Journal of Volcanology and Geothermal Research, 2009, 184, 164-173.	2.1	107
101	Worldwide distribution of ages of the continental lithosphere derived from a global seismic tomographic model. Lithos, 2009, 109, 125-130.	1.4	22
102	Tomography of the Alpine region from observations of seismic ambient noise. Geophysical Journal International, 2009, 178, 338-350.	2.4	157
103	Crustal and uppermost mantle structure in the Pacific, North American, and Eurasian Plate junction. Doklady Earth Sciences, 2009, 428, 1198-1201.	0.7	2
104	Studying shallow seafloor structure based on correlations of continuous seismic records. , 2009, , .		8
105	Towards forecasting volcanic eruptions using seismic noise. Nature Geoscience, 2008, 1, 126-130.	12.9	535
106	Crossâ€correlation of random fields: mathematical approach and applications. Geophysical Prospecting, 2008, 56, 375-393.	1.9	186
107	Nonvolcanic tremor observed in the Mexican subduction zone. Geophysical Research Letters, 2008, 35, .	4.0	140
108	Broadband ambient noise surface wave tomography across the United States. Journal of Geophysical Research, 2008, 113, .	3.3	229

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109	The 14 November 2001 Kokoxili (Tibet) earthquake: Highâ€frequency seismic radiation originating from the transitions between subâ€Rayleigh and supershear rupture velocity regimes. Journal of Geophysical Research, 2008, 113, .	3.3	67
110	Structural context of the great Sumatraâ€Andaman Islands earthquake. Geophysical Research Letters, 2008, 35, .	4.0	45
111	Structure of the crust and uppermost mantle beneath the western United States revealed by ambient noise and earthquake tomography. Journal of Geophysical Research, 2008, 113, .	3.3	175
112	6. Imaging. , 2008, , 449-628.		0
113	Postseismic Relaxation Along the San Andreas Fault at Parkfield from Continuous Seismological Observations. Science, 2008, 321, 1478-1481.	12.6	590
114	4. Green's Function Reconstruction. , 2008, , 99-329.		0
115	3-D surface wave tomography of the Piton de la Fournaise volcano using seismic noise correlations. Geophysical Research Letters, 2007, 34, .	4.0	230
116	Bathymetry of the Pacific plate and its implications for thermal evolution of lithosphere and mantle dynamics. Journal of Geophysical Research, 2007, 112, .	3.3	32
117	Surface wave tomography of the western United States from ambient seismic noise: Rayleigh wave group velocity maps. Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	175
118	Surface wave tomography of the Barents Sea and surrounding regions. Geophysical Journal International, 2007, 170, 441-459.	2.4	64
119	Ambient noise Rayleigh wave tomography across Europe. Geophysical Journal International, 2007, 168, 259-274.	2.4	486
120	Processing seismic ambient noise data to obtain reliable broad-band surface wave dispersion measurements. Geophysical Journal International, 2007, 169, 1239-1260.	2.4	1,705
121	Traveltime measurements from noise correlation: stability and detection of instrumental time-shifts. Geophysical Journal International, 2007, 171, 223-230.	2.4	116
122	Upper mantle velocity-temperature conversion and composition determined from seismic refraction and heat flow. Journal of Geophysical Research, 2006, 111, .	3.3	29
123	A study of the seismic noise from its long-range correlation properties. Journal of Geophysical Research, 2006, 111, .	3.3	425
124	Is ambient noise tomography across ocean basins possible?. Geophysical Research Letters, 2006, 33, .	4.0	32
125	Source location of the 26 sec microseism from cross-correlations of ambient seismic noise. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	119
126	Correlation of random wavefields: An interdisciplinary review. Geophysics, 2006, 71, SI11-SI21.	2.6	194

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127	The use of crustal higher modes to constrain crustal structure across Central Asia. Geophysical Journal International, 2005, 160, 961-972.	2.4	21
128	Slab portal beneath the western Aleutians. Geology, 2005, 33, 253.	4.4	50
129	High-Resolution Surface-Wave Tomography from Ambient Seismic Noise. Science, 2005, 307, 1615-1618.	12.6	1,785
130	New evidence for dislocation creep from 3-D geodynamic modeling of the Pacific upper mantle structure. Earth and Planetary Science Letters, 2005, 238, 146-155.	4.4	89
131	Validation of Regional and Teleseismic Travel-Time Models by Relocating Ground-Truth Events. Bulletin of the Seismological Society of America, 2004, 94, 897-919.	2.3	35
132	Thinning and Flow of Tibetan Crust Constrained by Seismic Anisotropy. Science, 2004, 305, 233-236.	12.6	278
133	Lithospheric structure of the Canadian Shield inferred from inversion of surface-wave dispersion with thermodynamic a priori constraints. Geological Society Special Publication, 2004, 239, 175-194.	1.3	25
134	Thermodynamic constraints on seismic inversions. Geophysical Journal International, 2004, 157, 1175-1188.	2.4	117
135	Emergence of broadband Rayleigh waves from correlations of the ambient seismic noise. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	1,103
136	Stratification of anisotropy in the Pacific upper mantle. Journal of Geophysical Research, 2004, 109, .	3.3	66
137	Inferring surface heat flux distributions guided by a global seismic model: particular application to Antarctica. Earth and Planetary Science Letters, 2004, 223, 213-224.	4.4	392
138	Cooling history of the Pacific lithosphere. Earth and Planetary Science Letters, 2004, 226, 69-84.	4.4	147
139	Ability of a global three-dimensional model to locate regional events. Journal of Geophysical Research, 2003, 108, .	3.3	41
140	A resolved mantle anomaly as the cause of the Australian-Antarctic Discordance. Journal of Geophysical Research, 2003, 108, .	3.3	30
141	Lateral variation ofLgwave propagation in southern Mexico. Journal of Geophysical Research, 2002, 107, ESE 3-1-ESE 3-13.	3.3	42
142	Global surface wave diffraction tomography. Journal of Geophysical Research, 2002, 107, ESE 4-1-ESE 4-13.	3.3	217
143	Monte-Carlo inversion for a global shear-velocity model of the crust and upper mantle. Geophysical Journal International, 2002, 151, 88-105.	2.4	535
144	On the duration of seismic motion incident onto the Valley of Mexico for subduction zone earthquakes. Geophysical Journal International, 2002, 151, 501-510.	2.4	20

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145	Multiple scattering of seismic waves. Ultrasonics, 2002, 40, 269-274.	3.9	7
146	Seismic evidence for catastrophic slab loss beneath Kamchatka. Nature, 2002, 418, 763-767.	27.8	180
147	Rupture history of September 30, 1999 intraplate earthquake of Oaxaca, Mexico (MW=7.5) from inversion of strong-motion data. Geophysical Research Letters, 2001, 28, 363-366.	4.0	40
148	Crustal and upper mantle structure beneath Antarctica and surrounding oceans. Journal of Geophysical Research, 2001, 106, 30645-30670.	3.3	211
149	Size of Popocatepetl Volcano explosions (1997-2001) from waveform inversion. Geophysical Research Letters, 2001, 28, 4027-4030.	4.0	30
150	Evidence of the dominance of higher-mode surface waves in the lake-bed zone of the Valley of Mexico. Geophysical Journal International, 2001, 147, 517-527.	2.4	27
151	Observation of Equipartition of Seismic Waves. Physical Review Letters, 2001, 86, 3447-3450.	7.8	189
152	Crustal structure of south-central Mexico estimated from the inversion of surface-wave dispersion curves using genetic and simulated annealing algorithms. Geofisica International, 2001, 40, 181-190.	0.2	27
153	The Energy Partitioning and the Diffusive Character of the Seismic Coda. Bulletin of the Seismological Society of America, 2000, 90, 655-665.	2.3	80
154	Average shear-wave velocity structure of the Kamchatka peninsula from the dispersion of surface waves. Earth, Planets and Space, 2000, 52, 573-577.	2.5	13
155	Wave-guide effects in subduction zones: Evidence from three-dimensional modeling. Geophysical Research Letters, 2000, 27, 433-436.	4.0	34
156	Evidence of low Q below PopocatÃ©petl Volcano, and its implication to seismic hazard in Mexico City. Geophysical Research Letters, 2000, 27, 2753-2756.	4.0	30
157	Seismic Wave Diffusion in the Earth Lithosphere. , 1999, , 383-404.		11
158	Residence time of diffuse waves in the crust as a physical interpretation of codaQ: application to seismograms recorded in Mexico. Geophysical Journal International, 1999, 138, 343-352.	2.4	111
159	Tectonic significance of an earthquake sequence in the Zacoalco half-graben, Jalisco, Mexico. Journal of South American Earth Sciences, 1999, 12, 557-565.	1.4	29
160	A fast and simple diagnostic method for identifying tsunamigenic earthquakes. Geophysical Research Letters, 1998, 25, 3911-3914.	4.0	25
161	Seismic channel waves in the accretionary prism of the Middle America Trench. Geophysical Research Letters, 1998, 25, 101-104.	4.0	23
162	Surface-wave propagation across the Mexican Volcanic Belt and the origin of the long-period seismic-wave amplification in the Valley of Mexico. Geophysical Journal International, 1997, 128, 151-166.	2.4	85

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163	Retrieving robust noise-based seismic velocity changes from sparse data sets: synthetic tests and application to Klyuchevskoy volcanic group (Kamchatka). Geophysical Journal International, 0, , .	2.4	9
164	Detecting and locating seismic events with using USArray as a large antenna. Advances in Geosciences, 0, 40, 27-30.	12.0	4