

Sidao Ni

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

2,871
citations

27
h-index

49
g-index

147
ext. papers

3,255
ext. citations

4.2
avg, IF

5.15
L-index

#	Paper	IF	Citations
138	Generation mechanism of the 26 s and 28 s tremors in the Gulf of Guinea from statistical analysis of magnitudes and event intervals. <i>Earth and Planetary Science Letters</i> , 2022 , 578, 117334	5.3	0
137	Effects of Secondary Sources of Underground Nuclear Explosions on the mb : Ms Criterion and Implications for Discrimination of the DPRK's Nuclear Tests. <i>Bulletin of the Seismological Society of America</i> , 2021 , 111, 590-605	2.3	0
136	Evaluating Global Tomography Models With Antipodal Ambient Noise Cross-Correlation Functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB020444	3.6	0
135	Complex Source Behaviors and Spatiotemporal Evolution of Seismicity During the 2015-2016 Earthquake Sequence in Cushing, Oklahoma. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2021JB022168	3.6	1
134	Shallow Shear-Wave Velocity Structure in Oklahoma Based on the Joint Inversion of Ambient Noise Dispersion and Teleseismic P-Wave Receiver Functions. <i>Bulletin of the Seismological Society of America</i> , 2021 , 111, 654-670	2.3	0
133	Determining Crustal Attenuation With Seismic T Waves in Southern Africa. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094410	4.9	0
132	Analysis of the 2017 June Maoxian landslide processes with force histories from seismological inversion and terrain features. <i>Geophysical Journal International</i> , 2020 , 222, 1965-1976	2.6	3
131	Velocity and density characteristics of subducted oceanic crust and the origin of lower-mantle heterogeneities. <i>Nature Communications</i> , 2020 , 11, 64	17.4	14
130	Relocation of the 17 June 2017 Nuugaatsiaq (Greenland) Landslide Based on Green's Functions From Ambient Seismic Noises. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018947	3.6	2
129	The 15 February 2014 Mw4.1 South Carolina Earthquake Sequence: Aftershock Productivity, Hypocentral Depths, and Stress Drops. <i>Seismological Research Letters</i> , 2020 , 91, 452-464	3	3
128	Source Parameters of Three Moderate Size Earthquakes in Weiyuan, China, and Their Relations to Shale Gas Hydraulic Fracturing. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019932	3.6	5
127	Observation of Teleseismic S Wave Microseisms Generated by Typhoons in the Western Pacific Ocean. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089031	4.9	3
126	Rupture Directivity of the 2019 Mw5.8 Changning, Sichuan, China, Earthquake and Implication for Induced Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2020 , 110, 2138-2153	2.3	3
125	Improving seismic remote sensing of typhoon with a three-dimensional Earth model. <i>Journal of the Acoustical Society of America</i> , 2020 , 148, 478	2.2	0
124	Seismic ocean thermometry. <i>Science</i> , 2020 , 369, 1510-1515	33.3	16
123	gCAPjoint, A Software Package for Full Moment Tensor Inversion of Moderately Strong Earthquakes with Local and Teleseismic Waveforms. <i>Seismological Research Letters</i> , 2020 , 91, 3550-3562	3	2
122	Focal mechanisms of the 2017 North Korean nuclear test and its early collapse event. <i>Geophysical Journal International</i> , 2020 , 220, 737-752	2.6	2

121	Rupture Directivity Analysis of the 2018 Hokkaido Eastern Iburi Earthquake and Its Seismotectonic Implication. <i>Seismological Research Letters</i> , 2019 , 90, 2121-2131	3	2
120	Seismological Constraints on the Small-Scale Heterogeneity in the Lowermost Mantle Beneath East Asia and Implication for Its Mineralogical Origin. <i>Geophysical Research Letters</i> , 2019 , 46, 5225-5233	4.9	1
119	Constraints on crust-mantle transition zone with Pn waveforms: A case study of eastern China and southern Korean Peninsula. <i>Physics of the Earth and Planetary Interiors</i> , 2019 , 289, 11-19	2.3	2
118	Resolving Focal Depth in Sparse Network with Local Depth Phases PL: A Case Study for the 2011 Mineral, Virginia, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2019 , 109, 745-753	2.3	2
117	Millimeter-level ultra-long period multiple Earth-circling surface waves retrieved from dense high-rate GPS network. <i>Earth and Planetary Science Letters</i> , 2019 , 525, 115705	5.3	1
116	Imaging the Crustal Structure with Multiple Seismic Measurements. <i>Acta Geologica Sinica</i> , 2019 , 93, 290-290		
115	The Contribution of Postcritical Moho Reflections to Ground Motions of the 2008 Mw7.9 Wenchuan Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2019 , 109, 298-311	2.3	3
114	Seismic attenuation in the lower mantle beneath Northeast China constrained from short-period reflected core phases at short epicentral distances. <i>Earth and Planetary Physics</i> , 2019 , 3, 537-546	1.6	2
113	Further constraints on the shear wave velocity structure of Cameroon from joint inversion of receiver function, Rayleigh wave dispersion and ellipticity measurements. <i>Geophysical Journal International</i> , 2019 , 217, 589-619	2.6	5
112	Inferring Earth's discontinuous chemical layering from the 660-kilometer boundary topography. <i>Science</i> , 2019 , 363, 736-740	33.3	27
111	Teleseismic Waveform Complexities Caused by Near Trench Structures and Their Impacts on Earthquake Source Study: Application to the 2015 Illapel Aftershocks (Central Chile). <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 870-889	3.6	9
110	Resolving Horizontal Rupture Directivity of Moderate Crustal Earthquake in Sparse Network With Ambient Noise Location. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 533-552	3.6	2
109	Insight into large-scale topography on analysis of high-frequency Rayleigh waves. <i>Journal of Applied Geophysics</i> , 2018 , 150, 1-10	1.7	3
108	Crust-mantle coupling mechanism in Cameroon, West Africa, revealed by 3D S-wave velocity and azimuthal anisotropy. <i>Physics of the Earth and Planetary Interiors</i> , 2018 , 274, 195-213	2.3	10
107	Constraints on small-scale heterogeneity in the lowermost mantle from observations of near podal PcP precursors. <i>Earth and Planetary Science Letters</i> , 2018 , 489, 267-276	5.3	8
106	Assessing the short-term clock drift of early broadband stations with burst events of the 26 $\frac{1}{3}$ persistent and localized microseism. <i>Geophysical Journal International</i> , 2018 , 212, 324-332	2.6	4
105	Receiver function HV ratio: a new measurement for reducing non-uniqueness of receiver function waveform inversion. <i>Geophysical Journal International</i> , 2018 , 212, 1475-1485	2.6	8
104	Crustal rheology from focal depths in the North China Basin. <i>Earth and Planetary Science Letters</i> , 2018 , 497, 123-138	5.3	10

103	An SEM-DSM three-dimensional hybrid method for modelling teleseismic waves with complicated source-side structures. <i>Geophysical Journal International</i> , 2018 , 215, 133-154	2.6	11
102	Influence of the off-great-circle propagation of Rayleigh waves on event-based surface wave tomography in Northeast China. <i>Geophysical Journal International</i> , 2018 , 214, 1105-1124	2.6	6
101	The 1 May 2017 British Columbia-Alaska Earthquake Doublet and Implication for Complexity Near Southern End of Denali Fault System. <i>Geophysical Research Letters</i> , 2018 , 45, 5937	4.9	5
100	Multipathing Rayleigh Waves From Long-Distance Noise Cross Correlation Along an Ocean-Continent Boundary (Alaska to California). <i>Geophysical Research Letters</i> , 2018 , 45, 6051-6060	4.9	4
99	Seismic Imaging of Source Region in the 1976 Mw $\bar{7}$.8 Tangshan Earthquake Sequence and Its Implications for the Seismogenesis of Intraplate Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2018 , 108, 1302-1313	2.3	11
98	Ground Surface Deformation Caused by the Mw $\bar{5}$.8 Early Strong Aftershock following the 13 November 2016 Mw $\bar{7}$.8 Kaikūra Mainshock. <i>Seismological Research Letters</i> , 2018 , 89, 2214-2226	3	1
97	Multiscale assessment of micro-seismicity and slow earthquakes. <i>Physics of the Earth and Planetary Interiors</i> , 2017 , 264, 18-19	2.3	
96	Pn tomography with Moho depth correction from eastern Europe to western China. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 1284-1301	3.6	33
95	An algorithm for computing synthetic body waves due to underside conversion on an undulating interface and application to the 410km discontinuity. <i>Geophysical Journal International</i> , 2017 , 210, 1858-1871	2.6	7
94	Rapid rupture directivity determination of moderate dip-slip earthquakes with teleseismic body waves assuming reduced finite source approximation. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 5344-5368	3.6	8
93	Crustal radial anisotropy beneath Cameroon from ambient noise tomography. <i>Tectonophysics</i> , 2017 , 696-697, 37-51	3.1	13
92	The Pawnee earthquake as a result of the interplay among injection, faults and foreshocks. <i>Scientific Reports</i> , 2017 , 7, 4945	4.9	50
91	The effects of core-reflected waves on finite fault inversions with teleseismic body wave data. <i>Geophysical Journal International</i> , 2017 , 211, 936-951	2.6	8
90	Joint Inversion for Earthquake Depths Using Local Waveforms and Amplitude Spectra of Rayleigh Waves. <i>Pure and Applied Geophysics</i> , 2017 , 174, 261-277	2.2	14
89	Earthquake Source Mechanism and Rupture Directivity of the 12 September 2016 Mw $\bar{5}$.5 Gyeongju, South Korea, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2017 , 107, 2525-2537	2.3	21
88	Source locations of teleseismic P, SV, and SH waves observed in microseisms recorded by a large aperture seismic array in China. <i>Earth and Planetary Science Letters</i> , 2016 , 449, 39-47	5.3	34
87	Accuracy of the water column approximation in numerically simulating propagation of teleseismic PP waves and Rayleigh waves. <i>Geophysical Journal International</i> , 2016 , 206, 1315-1326	2.6	8
86	Short period ScP phase amplitude calculations for core-mantle boundary with intermediate scale topography. <i>Physics of the Earth and Planetary Interiors</i> , 2016 , 253, 64-73	2.3	7

85	Subsurface Shear Wave Velocity Characterization Using P-Wave Seismograms in Central and Eastern North America. <i>Earthquake Spectra</i> , 2016 , 32, 143-169	3.4	18
84	Shallow magma chamber under the Wudalianchi Volcanic Field unveiled by seismic imaging with dense array. <i>Geophysical Research Letters</i> , 2016 , 43, 4954-4961	4.9	40
83	Forward to the Special Issue in Physics of the Earth and Planetary Interiors on Multiscale Assessment of Micro-Seismicity and Slow Earthquakes. <i>Physics of the Earth and Planetary Interiors</i> , 2016 , 261, 1-2	2.3	
82	On the accuracy of long-period Rayleigh waves extracted from ambient noise. <i>Geophysical Journal International</i> , 2016 , 206, 48-55	2.6	6
81	Joint Inversion of Body-Wave Receiver Function and Rayleigh-Wave Ellipticity. <i>Bulletin of the Seismological Society of America</i> , 2016 , 106, 537-551	2.3	14
80	Ground Truth Location of Earthquakes by Use of Ambient Seismic Noise From a Sparse Seismic Network: A Case Study in Western Australia. <i>Pure and Applied Geophysics</i> , 2015 , 172, 1397-1407	2.2	5
79	CAPjoint, A Computer Software Package for Joint Inversion of Moderate Earthquake Source Parameters with Local and Teleseismic Waveforms. <i>Seismological Research Letters</i> , 2015 , 86, 432-441	3	17
78	Joint Inversion of Crustal Structure with the Rayleigh Wave Phase Velocity Dispersion and the ZH Ratio. <i>Pure and Applied Geophysics</i> , 2015 , 172, 2585-2600	2.2	14
77	Rupture directivity of the August 3rd, 2014 Ludian earthquake (Yunan, China). <i>Science China Earth Sciences</i> , 2015 , 58, 795-804	4.6	16
76	Rapid earthquake focal mechanism inversion using high-rate GPS velocimeters in sparse network. <i>Science China Earth Sciences</i> , 2015 , 58, 1970-1981	4.6	6
75	Rapid Seismological Quantification of Source Parameters of the 25 April 2015 Nepal Earthquake. <i>Seismological Research Letters</i> , 2015 , 86, 1568-1577	3	11
74	Ground-Motion Simulations of 1811-1812 New Madrid Earthquakes, Central United States. <i>Bulletin of the Seismological Society of America</i> , 2015 , 105, 1961-1988	2.3	15
73	Synchronizing Intercontinental Seismic Networks Using the 26-s Persistent Localized Microseismic Source. <i>Bulletin of the Seismological Society of America</i> , 2015 , 105, 2101-2108	2.3	9
72	An Adaptive 2D Planar Projection and Its Application in Geoscience Studies. <i>Journal of Earth Science (Wuhan, China)</i> , 2015 , 26, 724-728	2.2	
71	Inversion of Source Parameters for Moderate Earthquakes Using Short-Period Teleseismic P Waves. <i>Pure and Applied Geophysics</i> , 2014 , 171, 1329-1341	2.2	10
70	Constraining the short scale core-mantle boundary topography beneath Kenai Peninsula (Alaska) with amplitudes of core-reflected PcP wave. <i>Physics of the Earth and Planetary Interiors</i> , 2014 , 236, 60-68	2.3	14
69	Evidence for an Independent 26-s Microseismic Source near the Vanuatu Islands. <i>Pure and Applied Geophysics</i> , 2014 , 171, 2155-2163	2.2	7
68	Resolving Shallow Shear-Wave Velocity Structure beneath Station CBN by Waveform Modeling of the Mw 5.8 Mineral, Virginia, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2014 , 104, 944-952	2.3	13

67	Interstation Pg and Sg differential travelttime tomography in the northeastern margin of the Tibetan plateau: Implications for spatial extent of crustal flow and segmentation of the Longmenshan fault zone. <i>Physics of the Earth and Planetary Interiors</i> , 2014 , 227, 30-40	2.3	13
66	Estimating Subsurface Shear Velocity with Radial to Vertical Ratio of Local P Waves. <i>Seismological Research Letters</i> , 2014 , 85, 82-90	3	26
65	Focal Mechanisms of the 2013 Mw 6.6 Lushan, China Earthquake and High-Resolution Aftershock Relocations. <i>Seismological Research Letters</i> , 2014 , 85, 8-14	3	28
64	Infrasonic Signals Associated with the Aftershocks of LuShan Earthquake of April 20th, 2013. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2014 , 33, 113-123	1.5	1
63	Validating Accuracy of Rayleigh-Wave Dispersion Extracted from Ambient Seismic Noise Via Comparison with Data from a Ground-Truth Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2014 , 104, 2133-2141	2.3	5
62	Waveform Retrieval and Phase Identification for Seismic Data from the CASS Experiment. <i>Pure and Applied Geophysics</i> , 2013 , 170, 815-830	2.2	4
61	Observation of Core Phase ScS from the Mw 9.0 Tohoku-Oki Earthquake with High-Rate GPS. <i>Seismological Research Letters</i> , 2013 , 84, 594-599	3	9
60	Constraining shear wave velocity and density contrast at the inner core boundary with PKiKP/P amplitude ratio. <i>Journal of Earth Science (Wuhan, China)</i> , 2013 , 24, 716-724	2.2	4
59	Magnitude and rupture duration from high frequency teleseismic P wave with projected landweber deconvolution. <i>Science China Earth Sciences</i> , 2013 , 56, 13-21	4.6	2
58	Crustal S-wave velocity structure of the Yellowstone region using a seismic ambient noise method. <i>Earthquake Science</i> , 2013 , 26, 283-291	1.5	1
57	Preface to the special issue on Lushan earthquake. <i>Earthquake Science</i> , 2013 , 26, 151-152	1.5	
56	Twin enigmatic microseismic sources in the Gulf of Guinea observed on intercontinental seismic stations. <i>Geophysical Journal International</i> , 2013 , 194, 362-366	2.6	19
55	S n velocity tomography beneath the Himalayan collision zone and surrounding regions. <i>Earth, Planets and Space</i> , 2013 , 65, 725-730	2.9	4
54	An iterative algorithm for separation of SandScSwaves of great earthquakes. <i>Geophysical Journal International</i> , 2012 , 191, 591-600	2.6	2
53	Uppermost mantle structure of the eastern margin of the Tibetan plateau from interstation Pn travelttime difference tomography. <i>Earth and Planetary Science Letters</i> , 2012 , 335-336, 195-205	5.3	36
52	Locating earthquakes with surface waves and centroid moment tensor estimation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
51	Evidence for P?P? asymmetrical scattering at near podal distances. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	3
50	Anomalously steep dips of earthquakes in the 2011 Tohoku-Oki source region and possible explanations. <i>Earth and Planetary Science Letters</i> , 2012 , 353-354, 121-133	5.3	30

49	Mitigating artifacts in back-projection source imaging with implications for frequency-dependent properties of the Tohoku-Oki earthquake. <i>Earth, Planets and Space</i> , 2012 , 64, 1101-1109	2.9	33
48	Correction to A persistent localized microseismic source near the Kyushu Island, Japan <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	10
47	Earthquake Centroid Locations Using Calibration from Ambient Seismic Noise. <i>Bulletin of the Seismological Society of America</i> , 2011 , 101, 1438-1445	2.3	16
46	The M5.0 Suining-Tongnan (China) earthquake of 31 January 2010: A destructive earthquake occurring in sedimentary cover. <i>Science Bulletin</i> , 2011 , 56, 521-525		9
45	Slip model for the 2011 M w 9.0 Sendai (Japan) earthquake and its M w 7.9 aftershock derived from GPS data. <i>Science Bulletin</i> , 2011 , 56, 2941-2947		10
44	Source model of the 11th July 2004 Zhongba earthquake revealed from the joint inversion of InSAR and seismological data. <i>Earthquake Science</i> , 2011 , 24, 207-220	1.5	3
43	Effects of sedimentary layer on earthquake source modeling from geodetic inversion. <i>Earthquake Science</i> , 2011 , 24, 221-227	1.5	
42	Wave separation for the great Sumatra-Andaman earthquake with regional seismic array. <i>Earthquake Science</i> , 2011 , 24, 127-132	1.5	27
41	Preface to the special issue on earthquake geodesy. <i>Earthquake Science</i> , 2011 , 24, 133-134	1.5	
40	Determination of focal depth by two waveformbased methods: A case study for the 2008 Panzihua earthquake. <i>Earthquake Science</i> , 2011 , 24, 321-328	1.5	4
39	P n tomographic velocity and anisotropy beneath the Tibetan Plateau and the adjacent regions. <i>Earth, Planets and Space</i> , 2011 , 63, 1169-1173	2.9	10
38	Retrieval of Moho-reflected shear wave arrivals from ambient seismic noise. <i>Geophysical Journal International</i> , 2010 , no-no	2.6	31
37	Strong aftershocks in the northern segment of the Wenchuan earthquake rupture zone and their seismotectonic implications. <i>Earth, Planets and Space</i> , 2010 , 62, 881-886	2.9	14
36	Rapid Source Estimation from Global Calibrated Paths. <i>Seismological Research Letters</i> , 2010 , 81, 498-504		10
35	Source Mechanism and Rupture Directivity of the 18 May 2009 MW 4.6 Inglewood, California, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2010 , 100, 3269-3277	2.3	12
34	A persistent localized microseismic source near the Kyushu Island, Japan. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	45
33	A shallow aftershock sequence in the north-eastern end of the Wenchuan earthquake aftershock zone. <i>Science China Earth Sciences</i> , 2010 , 53, 1655-1664	4.6	14
32	Stationary phase approximation in the ambient noise method revisited. <i>Earthquake Science</i> , 2010 , 23, 425-431	1.5	2

31	Composition of high frequency ambient noise from cross-correlation: A case study using a small aperture array. <i>Earthquake Science</i> , 2010 , 23, 433-438	1.5	3
30	Real-time seismology for the 05/12/2008 Wenchuan earthquake of China: A retrospective view. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 155-165		3
29	Source mechanism of strong aftershocks ($M_s \geq 5.6$) of the 2008/05/12 Wenchuan earthquake and the implication for seismotectonics. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 739-753		49
28	Near surface velocity and QS structure of the Quaternary sediment in Bohai basin, China. <i>Earthquake Science</i> , 2009 , 22, 451-458	1.5	7
27	Applying InSAR technique to accurately relocate the epicentre for the 1999 $M_s = 5.6$ Kuqa earthquake in Xinjiang province, China. <i>Geophysical Journal International</i> , 2009 , 176, 107-112	2.6	3
26	Southeast Indian Ocean-Ridge earthquake sequences from cross-correlation analysis of hydroacoustic data. <i>Geophysical Journal International</i> , 2009 , 179, 401-407	2.6	4
25	Magnitude estimation for early warning applications using the initial part of P waves: A case study on the 2008 Wenchuan sequence. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	11
24	Direct measures of lateral velocity variation in the deep Earth. <i>Journal of Geophysical Research</i> , 2009 , 114,		29
23	Solid-liquid transitions of sodium chloride at high pressures. <i>Journal of Chemical Physics</i> , 2006 , 125, 15451-15454	4.0	16
22	Densification of silica glass at ambient pressure. <i>Journal of Chemical Physics</i> , 2006 , 125, 15451-15451	3.9	8
21	Damages to optical silica glass: processes and mechanisms 2006 ,		1
20	Surface motion of a fluid planet induced by impacts. <i>Geophysical Journal International</i> , 2006 , 167, 445-452	2.6	1
19	Seismic Modeling Constraints on the South African Super Plume. <i>Geophysical Monograph Series</i> , 2005 , 63-81	1.1	13
18	Three-dimensional structure of the African superplume from waveform modelling. <i>Geophysical Journal International</i> , 2005 , 161, 283-294	2.6	67
17	Seismology: energy radiation from the Sumatra earthquake. <i>Nature</i> , 2005 , 434, 582	50.4	118
16	Approximate 3D Body-Wave Synthetics for Tomographic Models. <i>Bulletin of the Seismological Society of America</i> , 2005 , 95, 212-224	2.3	18
15	Deep mantle structure and the postperovskite phase transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17257-63	11.5	45
14	Rupture process of the 2004 Sumatra-Andaman earthquake. <i>Science</i> , 2005 , 308, 1133-9	33.3	537

13	A Comparison of Synthetic Seismograms for 2D Structures: Semianalytical versus Numerical. <i>Bulletin of the Seismological Society of America</i> , 2003 , 93, 2752-2757	2.3	13
12	Ridge-like lower mantle structure beneath South Africa. <i>Journal of Geophysical Research</i> , 2003 , 108,		60
11	Further constraints on the African superplume structure. <i>Physics of the Earth and Planetary Interiors</i> , 2003 , 140, 243-251	2.3	30
10	Seismological constraints on the South African superplume; could be the oldest distinct structure on earth. <i>Earth and Planetary Science Letters</i> , 2003 , 206, 119-131	5.3	86
9	Sharp sides to the African superplume. <i>Science</i> , 2002 , 296, 1850-2	33.3	310
8	Relationship of D ₂ structure with the velocity variations near the inner-core boundary. <i>Geophysical Research Letters</i> , 2002 , 29, 22-1	4.9	8
7	Probing an ultra-low velocity zone at the core mantle boundary with P and S waves. <i>Geophysical Research Letters</i> , 2001 , 28, 2345-2348	4.9	28
6	Horizontal transition from fast to slow structures at the core-mantle boundary; South Atlantic. <i>Earth and Planetary Science Letters</i> , 2001 , 187, 301-310	5.3	32
5	Evidence for a sharp lateral variation of velocity at the core-mantle boundary from multipathed PKPab. <i>Earth and Planetary Science Letters</i> , 2001 , 189, 155-164	5.3	42
4	Constructing synthetics from deep earth tomographic models. <i>Geophysical Journal International</i> , 2000 , 140, 71-82	2.6	40
3	Seismic evidence for ultralow-velocity zones beneath Africa and eastern Atlantic. <i>Journal of Geophysical Research</i> , 2000 , 105, 23865-23878		52
2	Low-velocity structure beneath Africa from forward modeling. <i>Earth and Planetary Science Letters</i> , 1999 , 170, 497-507	5.3	32
1	Evidence for strong shear velocity reductions and velocity gradients in the lower mantle beneath Africa. <i>Geophysical Research Letters</i> , 1998 , 25, 4245-4248	4.9	126