

Xuzhang Shen

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.

26

papers

337

citations

10

h-index

18

g-index

30

ext. papers

431

ext. citations

2.9

avg, IF

3.35

L-index

#	Paper	IF	Citations
26	Dynamic model of the upper mantle beneath the northeastern Tibetan Plateau - constraints from the 410km and 660km discontinuities. <i>Gondwana Research</i> , 2022 , 106, 224-236	5.1	0
25	Contrasting crustal structures crossing the boundary region of the southwest Ordos block and its tectonic implications revealed by dense seismic arrays. <i>Tectonophysics</i> , 2022 , 831, 229342	3.1	0
24	The Crustal Anisotropy of West Ordos Block and Its Geodynamic Implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009553	3.6	0
23	Constraining the characters of the upper mantle discontinuities beneath the NE margin of the Tibetan Plateau with a dense broadband seismic array. <i>Science China Earth Sciences</i> , 2020 , 63, 425-438	4.6	1
22	Lateral growth of NE Tibetan Plateau restricted by the Asian lithosphere: Results from a dense seismic profile. <i>Gondwana Research</i> , 2020 , 87, 238-247	5.1	2
21	Imaging the Mantle Lithosphere below the China cratons using S-to-p converted waves. <i>Tectonophysics</i> , 2019 , 754, 73-79	3.1	8
20	Data-oriented constraint on the interpretation of S receiver function and its application to observations of seismic discontinuities in the lithosphere–sthenosphere system. <i>Geophysical Journal International</i> , 2019 , 219, 496-513	2.6	4
19	Lithospheric structure across the northeastern margin of the Tibetan Plateau: Implications for the plateau's lateral growth. <i>Earth and Planetary Science Letters</i> , 2017 , 459, 80-92	5.3	31
18	Lithospheric velocity structure of the northeast margin of the Tibetan Plateau: Relevance to continental geodynamics and seismicity. <i>Tectonophysics</i> , 2017 , 712-713, 482-493	3.1	6
17	Anisotropic regime across northeastern Tibet and its geodynamic implications. <i>Tectonophysics</i> , 2016 , 671, 1-8	3.1	17
16	Is the Asian lithosphere underthrusting beneath northeastern Tibetan Plateau? Insights from seismic receiver functions. <i>Earth and Planetary Science Letters</i> , 2015 , 428, 172-180	5.3	31
15	Seismic evidence for the North China plate underthrusting beneath northeastern Tibet and its implications for plateau growth. <i>Earth and Planetary Science Letters</i> , 2015 , 426, 109-117	5.3	85
14	Anisotropic low-velocity lower crust beneath the northeastern margin of Tibetan Plateau: Evidence for crustal channel flow. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 4223-4236	3.6	27
13	An examination of the presence and topography of the D ₂ discontinuity under the Russia–Kazakhstan border region using seismic waveform data from a deep earthquake in Spain. <i>Earthquake Science</i> , 2014 , 27, 209-215	1.5	2
12	Receiver function structures beneath the deep large faults in the northeastern margin of the Tibetan Plateau. <i>Tectonophysics</i> , 2014 , 610, 63-73	3.1	10
11	A ubiquitous low-velocity layer at the base of the mantle transition zone. <i>Geophysical Research Letters</i> , 2014 , 41, 836-842	4.9	27
10	Seismic structure in the southeastern China using teleseismic receiver functions. <i>Tectonophysics</i> , 2013 , 606, 24-35	3.1	31

9	Preface to the special issue on recent advances of deep structure, seismic anisotropy and seismotectonics in China. <i>Earthquake Science</i> , 2012 , 25, 1-2	1.5	
8	Receiver functions of CCDSN and crustal structure of Chinese mainland. <i>Earthquake Science</i> , 2012 , 25, 3-16	1.5	1
7	Preliminary analysis of teleseismic receiver functions of the Ningxia and its adjacent area. <i>Earthquake Science</i> , 2012 , 25, 47-53	1.5	
6	Peeling linear inversion of upper mantle velocity structure with receiver functions. <i>Earthquake Science</i> , 2012 , 25, 65-74	1.5	
5	Reply to Comment on Small-scale heterogeneities below the Lanzhou CTBTO seismic array, from seismic wavefield fluctuation by Li Lei. <i>Journal of Seismology</i> , 2011 , 15, 171-172	1.5	
4	Locating seismic scatterers at the base of the mantle beneath eastern Tibet with PKIKP precursors. <i>Science Bulletin</i> , 2010 , 55, 723-729		1
3	Small-scale heterogeneities below the Lanzhou CTBTO seismic array, from seismic wave field fluctuations. <i>Journal of Seismology</i> , 2010 , 14, 481-493	1.5	3
2	The low-velocity layer at the depth of 620 km beneath Northeast China. <i>Science Bulletin</i> , 2009 , 54, 3067-3075		16
1	Mapping the upper mantle discontinuities beneath China with teleseismic receiver functions. <i>Earth, Planets and Space</i> , 2008 , 60, 713-719	2.9	33