

Meijian An

List of Publications by Year in descending order

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24
papers

921
citations

623574

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677027

22
g-index

24
all docs

24
docs citations

24
times ranked

1007
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithospheric thickness of the Chinese continent. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 159, 257-266.	0.7	210
2	<i>S</i> -velocity model and inferred Moho topography beneath the Antarctic Plate from Rayleigh waves. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 359-383.	1.4	139
3	Temperature, lithosphere-asthenosphere boundary, and heat flux beneath the Antarctic Plate inferred from seismic velocities. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 8720-8742.	1.4	129
4	Seismic studies of the Brasília fold belt at the western border of the São Francisco Craton, Central Brazil, using receiver function, surface-wave dispersion and teleseismic tomography. <i>Tectonophysics</i> , 2004, 388, 173-185.	0.9	55
5	Destruction of lithosphere within the north China craton inferred from surface wave tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	50
6	A simple method for determining the spatial resolution of a general inverse problem. <i>Geophysical Journal International</i> , 2012, 191, 849-864.	1.0	47
7	Three-dimensional thermal structure of the Chinese continental crust and upper mantle. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1441-1451.	0.9	45
8	Lithospheric structure of the Chinese mainland determined from joint inversion of regional and teleseismic Rayleigh-wave group velocities. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	43
9	Crustal and upper mantle structure in the intracratonic Paraná Basin, SE Brazil, from surface wave dispersion using genetic algorithms. <i>Journal of South American Earth Sciences</i> , 2006, 21, 173-184.	0.6	35
10	Lithospheric thickness, thinning, subduction, and interaction with the asthenosphere beneath China from the joint inversion of seismic S-wave train fits and Rayleigh-wave dispersion curves. <i>Lithos</i> , 2010, 120, 116-130.	0.6	27
11	Lithosphere structures of northeast Tibetan Plateau and their geodynamic implications. <i>Journal of Geodynamics</i> , 2011, 52, 432-442.	0.7	26
12	Multi-objective inversion of surface waves and receiver functions by competent genetic algorithm applied to the crustal structure of the Paraná Basin, SE Brazil. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	20
13	Tectonic history of the Ordos Block and Qinling Orogen inferred from crustal thickness. <i>Geophysical Journal International</i> , 2017, 210, 303-320.	1.0	20
14	Deep ruptures around the hypocenter of the 12 May 2008 Wenchuan earthquake deduced from aftershock observations. <i>Tectonophysics</i> , 2010, 491, 96-104.	0.9	18
15	Lithospheric structures of and tectonic implications for the central-east Tibetan plateau inferred from joint tomography of receiver functions and surface waves. <i>Geophysical Journal International</i> , 2020, 223, 1688-1707.	1.0	13
16	Asthenospheric Flow Channel From Northeastern Tibet Imaged by Seismic Tomography Between Ordos Block and Yangtze Craton. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093561.	1.5	11
17	Effect of lateral variation and model parameterization on surface wave dispersion inversion to estimate the average shallow structure in the Paraná Basin. <i>Journal of Seismology</i> , 2005, 9, 449-462.	0.6	9
18	Crustal seismogenic structures and deformation styles along the Longmen Shan Fault belt in the eastern Tibetan Plateau inferred from ambient noise tomography. <i>Tectonophysics</i> , 2021, 798, 228689.	0.9	8

#	ARTICLE	IF	CITATIONS
19	Seismogenic Structure around the Epicenter of the May 12, 2008 Wenchuan Earthquake from Microseismic Tomography. <i>Acta Geologica Sinica</i> , 2009, 83, 724-732.	0.8	5
20	Antarctic ice velocities from GPS locations logged by seismic stations. <i>Antarctic Science</i> , 2015, 27, 210-222.	0.5	4
21	Adaptive Regularization of the Reference Model in an Inverse Problem. <i>Pure and Applied Geophysics</i> , 2020, 177, 4943-4956.	0.8	4
22	Surface Wave Dispersion Inversion Using Improved Genetic Algorithm. , 2001, , .		2
23	Depth and region dependence of b-value for micro-aftershocks of the May 12th, 2008 Wenchuan earthquake and its tectonic implications. <i>Earthquake Science</i> , 2009, 22, 589-594.	0.4	1
24	Seismogenic Tectonics and Dynamics of the 2011 Ms5.9 Yingjiang Earthquake in Yunnan, China. <i>Acta Geologica Sinica</i> , 2014, 88, 468-482.	0.8	0