Yun Chen

List of Publications by Citations

61	1,586	20	39
papers	citations	h-index	g-index

65	1,934	3.8	4.46
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
61	Seismic signature of the collision between the east Tibetan escape flow and the Sichuan Basin. *Earth and Planetary Science Letters*, **2010**, 292, 254-264	5.3	167
60	Crustal structure across Longmenshan fault belt from passive source seismic profiling. *Geophysical Research Letters*, **2009**, 36,	4.9	144
59	Tearing of the Indian lithospheric slab beneath southern Tibet revealed by SKS-wave splitting measurements. *Earth and Planetary Science Letters*, **2015**, 413, 13-24	5.3	108
58	Crustal anisotropy from Moho converted Ps wave splitting analysis and geodynamic implications beneath the eastern margin of Tibet and surrounding regions. *Gondwana Research*, **2013**, 24, 946-957	5.1	107
57	An overview of the crustal structure of the Tibetan plateau after 35 years of deep seismic soundings. *Journal of Asian Earth Sciences*, **2011**, 40, 977-989	2.8	98
56	Crust–upper mantle seismic velocity structure across Southeastern China. *Tectonophysics*, **2005**, 395, 137-157	3.1	89
55	3D imaging of subducting and fragmenting Indian continental lithosphere beneath southern and central Tibet using body-wave finite-frequency tomography. *Earth and Planetary Science Letters*, **2016**, 443, 162-175	5.3	84
54	Crustal structure of the Paleozoic Kunlun orogeny from an active-source seismic profile between Moba and Guide in East Tibet, China. *Gondwana Research*, **2011**, 19, 994-1007	5.1	65
53	The Moho beneath western Tibet: Shear zones and eclogitization in the lower crust. *Earth and Planetary Science Letters*, **2014**, 408, 370-377	5.3	49
52	Magmatic underplating and crustal growth in the Emeishan Large Igneous Province, SW China, revealed by a passive seismic experiment. *Earth and Planetary Science Letters*, **2015**, 432, 103-114	5.3	48
51	Radial anisotropy in the crust and upper mantle beneath the Qinghai-Tibet Plateau and surrounding regions. *Journal of Asian Earth Sciences*, **2009**, 36, 289-302	2.8	48
50	Love and Rayleigh Wave Tomography of the Qinghai-Tibet Plateau and Surrounding Areas. *Pure and Applied Geophysics*, **2010**, 167, 1171-1203	2.2	47
49	Weakly coupled lithospheric extension in southern Tibet. *Earth and Planetary Science Letters*, **2015**, 430, 171-177	5.3	44
48	Crustal structure across northeastern Tibet from wide-angle seismic profiling: Constraints on the Caledonian Qilian orogeny and its reactivation. *Tectonophysics*, **2013**, 606, 140-159	3.1	44
47	Crustal velocity structure in the Emeishan large igneous province and evidence of the Permian mantle plume activity. *Science China Earth Sciences*, **2015**, 58, 1133-1147	4.6	36
46	S-wave velocity and Poisson's ratio structure of crust in Yunnan and its implication. *Science in China Series D: Earth Sciences*, **2005**, 48, 210-218		35
45	Lateral variation of the strength of lithosphere across the eastern North China Craton: New constraints on lithospheric disruption. *Gondwana Research*, **2012**, 22, 1047-1059	5.1	33

44	Magmatic underplating beneath the Emeishan large igneous province (South China) revealed by the COMGRA-ELIP experiment. *Tectonophysics*, **2016**, 672-673, 16-23	3.1	28
43	Normal faulting from simple shear rifting in South Tibet, using evidence from passive seismic profiling across the Yadong-Gulu Rift. *Tectonophysics*, **2013**, 606, 178-186	3.1	27
42	Deformation of crust and upper mantle in central Tibet caused by the northward subduction and slab tearing of the Indian lithosphere: New evidence based on shear wave splitting measurements. *Earth and Planetary Science Letters*, **2019**, 514, 75-83	5.3	20
41	SKS splitting measurements with horizontal component misalignment. *Geophysical Journal International*, **2011**, 185, 329-340	2.6	19
40	East-west crustal structure and □down-bowing□Moho under the northern Tibet revealed by wide-angle seismic profile. *Science in China Series D: Earth Sciences*, **2002**, 45, 550		19
39	Multisource Remote Sensing Imagery Fusion Scheme Based on Bidimensional Empirical Mode Decomposition (BEMD) and Its Application to the Extraction of Bamboo Forest. *Remote Sensing*, **2017**, 9, 19	5	18
38	Crust-Mantle Velocity Structure of S Wave and Dynamic Process Beneath Burma Arc and Its Adjacent Regions. *Chinese Journal of Geophysics*, **2008**, 51, 105-114		18
37	Continental lithospheric subduction and intermediate-depth seismicity: Constraints from S-wave velocity structures in the Pamir and Hindu Kush. *Earth and Planetary Science Letters*, **2018**, 482, 478-489	5.3	18
36	Using Surface Wave and Receiver Function to Jointly Inverse the Crust-Mantle Velocity Structure in the West Yunnan Area. *Chinese Journal of Geophysics*, **2005**, 48, 1148-1155		14
35	Complex structure of upper mantle beneath the Yadong-Gulu rift in Tibet revealed by S-to-P converted waves. *Earth and Planetary Science Letters*, **2020**, 531, 115954	5.3	13
34	Chain-Style Landslide Hazardous Process: Constraints From Seismic Signals Analysis of the 2017 Xinmo Landslide, SW China. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 2025-2037	3.6	13
33	A plume-modified lithospheric barrier to the southeastward flow of partially molten Tibetan crust inferred from magnetotelluric data. *Earth and Planetary Science Letters*, **2020**, 548, 116493	5.3	12
32	SANDWICH: A 2D Broadband Seismic Array in Central Tibet. *Seismological Research Letters*, **2016**, 87, 864-873	3	12
31	Electrical resistivity structure of the Xiaojiang strike-slip fault system (SW China) and its tectonic implications. *Journal of Asian Earth Sciences*, **2019**, 176, 57-67	2.8	11
30	Crustal melting beneath orogenic plateaus: Insights from 3-D thermo-mechanical modeling. *Tectonophysics*, **2019**, 761, 1-15	3.1	10
29	Overview of deep structures under the Changbaishan volcanic area in Northeast China. *Science China Earth Sciences*, **2019**, 62, 935-952	4.6	10
28	Unusually thickened crust beneath the Emeishan large igneous province detected by virtual deep seismic sounding. *Tectonophysics*, **2017**, 721, 387-394	3.1	9
27	Contrasting crustal deformation mechanisms in the Longmenshan and West Qinling orogenic belts, NE Tibet, revealed by magnetotelluric data. *Journal of Asian Earth Sciences*, **2019**, 176, 120-128	2.8	8

26	S-wave velocity images of the Dead Sea Basin provided by ambient seismic noise. *Journal of Asian Earth Sciences*, **2013**, 75, 26-35	2.8	8
25	Upper-Crustal Anisotropy of the Conjugate Strike-Slip Fault Zone in Central Tibet Analyzed Using Local Earthquakes and Shear-Wave Splitting. *Bulletin of the Seismological Society of America*, **2019**, 109, 1968-1984	2.3	7
24	Reconstruction of Semblance Section for the Crust/Mantle Reflection Structure by Wide-Angle Seismic Data. *Chinese Journal of Geophysics*, **2004**, 47, 533-538		6
23	Geophysical constraints on mesozoic disruption of North China Craton by underplating-triggered lower-crust flow of the Archaean lithosphere. *Terra Nova*, **2013**, 25, 245-251	3	6
22	Pn uppermost mantle tomography of Central Tibet: Implication for mechanisms of N-S rifts and conjugate faults. *Tectonophysics*, **2020**, 788, 228499	3.1	4
21	Complex Polarization Analysis Based on Windowed Hilbert Transform and Its Application. *Chinese Journal of Geophysics*, **2005**, 48, 960-967		4
20	Lateral Seismic Anisotropy Variations Record Interaction Between Tibetan Mantle Flow and Plume-Strengthened Yangtze Craton. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB020841	3.6	4
19	Magnetotelluric Evidence for Distributed Lithospheric Modification Beneath the Yinchuan-Jilantai Rift System and Its Implications for Late Cenozoic Rifting in Western North China. *Journal of Geophysical Research: Solid Earth*, **2022**, 127,	3.6	3
18	Geodynamic processes of the continental deep subduction: Constraints from the fine crustal structure beneath the Pamir plateau. *Science China Earth Sciences*, **2020**, 63, 649-661	4.6	2
17	Deep electrical resistivity structure across the Gyaring Co Fault in Central Tibet revealed by magnetotelluric data and its implication. *Tectonophysics*, **2021**, 809, 228835	3.1	2
16	Crustal SiO2 Content of the Emeishan Large Igneous Province and its Implications for Magma Volume and Plumbing System. *Geochemistry, Geophysics, Geosystems*, **2021**, 22, e2021GC009783	3.6	2
15	Formation mechanism of the North–South Gravity Lineament in eastern China. *Tectonophysics*, **2021**, 818, 229074	3.1	2
14	Panoptic View of Mantle Flow Beneath Trans-Continental Northeast Asia: Distinct Variation Detected From ~2,000 km Shear Wave Splitting Profile. *Geophysical Research Letters*, **2022**, 49,	4.9	2
13	Magnetotelluric signatures of Neoproterozoic subduction, and subsequent lithospheric reactivation and thinning beneath central South China. *Tectonophysics*, **2022**, 833, 229365	3.1	2
12	New progress on the onshore-offshore seismic survey in East China Continental Margin. *Solid Earth Sciences*, **2019**, 4, 85-91	1.7	1
11	Modeling of Rayleigh wave dispersion in Iberia. *Geoscience Frontiers*, **2011**, 2, 35-48	6	1
10	First-Arrival Traveltime and Amplitude Calculation From Monochromatic Two-Way Wave Equation in Frequency Domain. *Chinese Journal of Geophysics*, **2005**, 48, 467-473		1
9	Back-Arc Extension of the Central Bransfield Basin Induced by Ridge–Trench Collision: Implications From Ambient Noise Tomography and Stress Field Inversion. *Geophysical Research Letters*, **2021**, 48, e2021GL095032	4.9	1

8	Distinct Lithospheric Structure in the Xing'an-Mongolian Orogenic Belt. *Geophysical Research Letters*, **2022**, 49,	4.9	1
7	Geometry-preserving full-waveform tomography and its application in the Longmen Shan area. *Science China Earth Sciences*, **2022**, 65, 437	4.6	0
6	A Synthesis of Geophysical Data in Southeastern North China Craton: Implications for the Formation of the Arcuate Xuhuai Thrust Belt. *Journal of Earth Science (Wuhan, China)*,1	2.2	0
5	Seismic evidence of tearing of the Indian subducting lithospheric slab and the Tibetan mantle lithosphere beneath the Yadong-Gulu rift in central Tibet. *Acta Geologica Sinica*, **2019**, 93, 74-74	0.7	
4	High-resolution uppermost mantle velocity structure beneath central Tibet and its implications for geodynamics. *Acta Geologica Sinica*, **2019**, 93, 55-55	0.7	
3	Multiple superimposed probability tomography on a second electrical field. *Journal of Geophysics and Engineering*, **2009**, 6, 82-86	1.3	
2	A Robust and Accurate Traveltime Calculation from Frequency-domain Two-way Wave-equation Modeling Algorithm. *Geosystem Engineering*, **2004**, 7, 12-20	1.2	
1	The Velocity Tomography with Crosshole Seismic Data. *Chinese Journal of Geophysics*, **2000**, 43, 914-920		