

# Yun Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,282  
citations

257450

24  
h-index

223800

46  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic signature of the collision between the east Tibetan escape flow and the Sichuan Basin. <i>Earth and Planetary Science Letters</i> , 2010, 292, 254-264.	4.4	203
2	Tearing of the Indian lithospheric slab beneath southern Tibet revealed by SKS-wave splitting measurements. <i>Earth and Planetary Science Letters</i> , 2015, 413, 13-24.	4.4	171
3	Crustal structure across Longmenshan fault belt from passive source seismic profiling. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	164
4	Crustal anisotropy from Moho converted Ps wave splitting analysis and geodynamic implications beneath the eastern margin of Tibet and surrounding regions. <i>Gondwana Research</i> , 2013, 24, 946-957.	6.0	138
5	3D imaging of subducting and fragmenting Indian continental lithosphere beneath southern and central Tibet using body-wave finite-frequency tomography. <i>Earth and Planetary Science Letters</i> , 2016, 443, 162-175.	4.4	135
6	An overview of the crustal structure of the Tibetan plateau after 35 years of deep seismic soundings. <i>Journal of Asian Earth Sciences</i> , 2011, 40, 977-989.	2.3	122
7	Crustal "upper mantle seismic velocity structure across Southeastern China. <i>Tectonophysics</i> , 2005, 395, 137-157.	2.2	100
8	Magmatic underplating and crustal growth in the Emeishan Large Igneous Province, SW China, revealed by a passive seismic experiment. <i>Earth and Planetary Science Letters</i> , 2015, 432, 103-114.	4.4	78
9	Crustal structure of the Paleozoic Kunlun orogeny from an active-source seismic profile between Moba and Guide in East Tibet, China. <i>Gondwana Research</i> , 2011, 19, 994-1007.	6.0	74
10	The Moho beneath western Tibet: Shear zones and eclogitization in the lower crust. <i>Earth and Planetary Science Letters</i> , 2014, 408, 370-377.	4.4	71
11	Weakly coupled lithospheric extension in southern Tibet. <i>Earth and Planetary Science Letters</i> , 2015, 430, 171-177.	4.4	65
12	Crustal structure across northeastern Tibet from wide-angle seismic profiling: Constraints on the Caledonian Qilian orogeny and its reactivation. <i>Tectonophysics</i> , 2013, 606, 140-159.	2.2	58
13	Crustal velocity structure in the Emeishan large igneous province and evidence of the Permian mantle plume activity. <i>Science China Earth Sciences</i> , 2015, 58, 1133-1147.	5.2	53
14	Radial anisotropy in the crust and upper mantle beneath the Qinghai-Tibet Plateau and surrounding regions. <i>Journal of Asian Earth Sciences</i> , 2009, 36, 289-302.	2.3	52
15	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. <i>Earth and Planetary Science Letters</i> , 2019, 514, 75-83.	4.4	51
16	Love and Rayleigh Wave Tomography of the Qinghai-Tibet Plateau and Surrounding Areas. <i>Pure and Applied Geophysics</i> , 2010, 167, 1171-1203.	1.9	50
17	A plume-modified lithospheric barrier to the southeastward flow of partially molten Tibetan crust inferred from magnetotelluric data. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116493.	4.4	39
18	S-wave velocity and Poisson's ratio structure of crust in Yunnan and its implication. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 210-218.	0.9	38

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19	Complex structure of upper mantle beneath the Yadong-Gulu rift in Tibet revealed by S-to-P converted waves. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115954.	4.4	37
20	Lateral variation of the strength of lithosphere across the eastern North China Craton: New constraints on lithospheric disruption. <i>Gondwana Research</i> , 2012, 22, 1047-1059.	6.0	36
21	Magmatic underplating beneath the Emeishan large igneous province (South China) revealed by the COMGRA-ELIP experiment. <i>Tectonophysics</i> , 2016, 672-673, 16-23.	2.2	35
22	Normal faulting from simple shear rifting in South Tibet, using evidence from passive seismic profiling across the Yadong-Gulu Rift. <i>Tectonophysics</i> , 2013, 606, 178-186.	2.2	34
23	Electrical resistivity structure of the Xiaojiang strike-slip fault system (SW China) and its tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 57-67.	2.3	31
24	Continental lithospheric subduction and intermediate-depth seismicity: Constraints from S-wave velocity structures in the Pamir and Hindu Kush. <i>Earth and Planetary Science Letters</i> , 2018, 482, 478-489.	4.4	29
25	Crustal melting beneath orogenic plateaus: Insights from 3-D thermo-mechanical modeling. <i>Tectonophysics</i> , 2019, 761, 1-15.	2.2	27
26	Intracontinental deformation of the Tianshan Orogen in response to India-Asia collision. <i>Nature Communications</i> , 2022, 13, .	12.8	27
27	SKS splitting measurements with horizontal component misalignment. <i>Geophysical Journal International</i> , 2011, 185, 329-340.	2.4	25
28	East-west crustal structure and "down-bowing" Moho under the northern Tibet revealed by wide-angle seismic profile. <i>Science in China Series D: Earth Sciences</i> , 2002, 45, 550.	0.9	23
29	Multisource Remote Sensing Imagery Fusion Scheme Based on Bidimensional Empirical Mode Decomposition (BEMD) and Its Application to the Extraction of Bamboo Forest. <i>Remote Sensing</i> , 2017, 9, 19.	4.0	23
30	Crust-Mantle Velocity Structure of S Wave and Dynamic Process Beneath Burma Arc and Its Adjacent Regions. <i>Chinese Journal of Geophysics</i> , 2008, 51, 105-114.	0.2	22
31	Chain-Style Landslide Hazardous Process: Constraints From Seismic Signals Analysis of the 2017 Xinmo Landslide, SW China. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2025-2037.	3.4	22
32	Using Surface Wave and Receiver Function to Jointly Inverse the Crust-Mantle Velocity Structure in the West Yunnan Area. <i>Chinese Journal of Geophysics</i> , 2005, 48, 1148-1155.	0.2	21
33	Lateral Seismic Anisotropy Variations Record Interaction Between Tibetan Mantle Flow and Plume-Strengthened Yangtze Craton. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020841.	3.4	17
34	Deep electrical resistivity structure across the Gyaring Co Fault in Central Tibet revealed by magnetotelluric data and its implication. <i>Tectonophysics</i> , 2021, 809, 228835.	2.2	17
35	Upper-Crustal Anisotropy of the Conjugate Strike-Slip Fault Zone in Central Tibet Analyzed Using Local Earthquakes and Shear-Wave Splitting. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1968-1984.	2.3	16
36	Overview of deep structures under the Changbaishan volcanic area in Northeast China. <i>Science China Earth Sciences</i> , 2019, 62, 935-952.	5.2	16

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37	SANDWICH: A 2D Broadband Seismic Array in Central Tibet. <i>Seismological Research Letters</i> , 2016, 87, 864-873.	1.9	14
38	S-wave velocity images of the Dead Sea Basin provided by ambient seismic noise. <i>Journal of Asian Earth Sciences</i> , 2013, 75, 26-35.	2.3	13
39	Unusually thickened crust beneath the Emeishan large igneous province detected by virtual deep seismic sounding. <i>Tectonophysics</i> , 2017, 721, 387-394.	2.2	12
40	Pn uppermost mantle tomography of Central Tibet: Implication for mechanisms of N-S rifts and conjugate faults. <i>Tectonophysics</i> , 2020, 788, 228499.	2.2	12
41	Formation mechanism of the North-South Gravity Lineament in eastern China. <i>Tectonophysics</i> , 2021, 818, 229074.	2.2	12
42	Distinct Lithospheric Structure in the Xing'an-Mongolian Orogenic Belt. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	12
43	Contrasting crustal deformation mechanisms in the Longmenshan and West Qinling orogenic belts, NE Tibet, revealed by magnetotelluric data. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 120-128.	2.3	11
44	Crustal SiO <sub>2</sub> Content of the Emeishan Large Igneous Province and its Implications for Magma Volume and Plumbing System. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009783.	2.5	11
45	Reconstruction of Semblance Section for the Crust/Mantle Reflection Structure by Wide-Angle Seismic Data. <i>Chinese Journal of Geophysics</i> , 2004, 47, 533-538.	0.2	7
46	Magnetotelluric Evidence for Distributed Lithospheric Modification Beneath the Yinchuan-Jilantai Rift System and Its Implications for Late Cenozoic Rifting in Western North China. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	7
47	Geophysical constraints on mesozoic disruption of North China Craton by underplating-triggered lower-crust flow of the Archaean lithosphere. <i>Terra Nova</i> , 2013, 25, 245-251.	2.1	6
48	Back-Arc Extension of the Central Bransfield Basin Induced by Ridge-Trench Collision: Implications From Ambient Noise Tomography and Stress Field Inversion. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095032.	4.0	6
49	Magnetotelluric signatures of Neoproterozoic subduction, and subsequent lithospheric reactivation and thinning beneath central South China. <i>Tectonophysics</i> , 2022, 833, 229365.	2.2	6
50	Complex Polarization Analysis Based on Windowed Hilbert Transform and Its Application. <i>Chinese Journal of Geophysics</i> , 2005, 48, 960-967.	0.2	5
51	Geodynamic processes of the continental deep subduction: Constraints from the fine crustal structure beneath the Pamir plateau. <i>Science China Earth Sciences</i> , 2020, 63, 649-661.	5.2	5
52	Modeling of Rayleigh wave dispersion in Iberia. <i>Geoscience Frontiers</i> , 2011, 2, 35-48.	8.4	4
53	Panoptic View of Mantle Flow Beneath Trans-Continental Northeast Asia: Distinct Variation Detected From $\sim 142,000$ km Shear Wave Splitting Profile. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
54	Geometry-preserving full-waveform tomography and its application in the Longmen Shan area. <i>Science China Earth Sciences</i> , 2022, 65, 437-448.	5.2	3

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55	A Synthesis of Geophysical Data in Southeastern North China Craton: Implications for the Formation of the Arcuate Xuhuai Thrust Belt. <i>Journal of Earth Science (Wuhan, China)</i> , 2022, 33, 552-566.	3.2	3
56	Zhongjie Zhang (1964 – 2013). <i>Tectonophysics</i> , 2014, 627, 4-5.	2.2	2
57	é·¿ç <sup>TM1/2</sup> â±±ç«â±±âCE°æ·±éƒ“æž„æŽœµ<çš„ç”ç©¶è¿;â±•ăŽâ±•æœ». <i>SCIENTIA SINICA Terrae</i> , 2019, 49, 778-796.3		2
58	First-Arrival Traveltime and Amplitude Calculation From Monochromatic Two-Way Wave Equation in Frequency Domain. <i>Chinese Journal of Geophysics</i> , 2005, 48, 467-473.	0.2	1
59	New progress on the onshore-offshore seismic survey in East China Continental Margin. <i>Solid Earth Sciences</i> , 2019, 4, 85-91.	1.7	1
60	The Velocity Tomography with Crosshole Seismic Data. <i>Chinese Journal of Geophysics</i> , 2000, 43, 914-920.	0.2	0
61	A Robust and Accurate Traveltime Calculation from Frequency-domain Two-way Wave-equation Modeling Algorithm. <i>Geosystem Engineering</i> , 2004, 7, 12-20.	1.4	0
62	Multiple superimposed probability tomography on a second electrical field. <i>Journal of Geophysics and Engineering</i> , 2009, 6, 82-86.	1.4	0
63	Seismic evidence of tearing of the Indian subducting lithospheric slab and the Tibetan mantle lithosphere beneath the Yadong-Gulu rift in central Tibet. <i>Acta Geologica Sinica</i> , 2019, 93, 74-74.	1.4	0
64	High-resolution uppermost mantle velocity structure beneath central Tibet and its implications for geodynamics. <i>Acta Geologica Sinica</i> , 2019, 93, 55-55.	1.4	0
65	Density structure of the crust in the Emeishan large igneous province revealed by the Lijiang- Guiyang gravity profile. <i>Earth and Planetary Physics</i> , 2018, 2, 1-8.	1.1	0