# Yun Chen

## List of Publications by Year in Descending Order



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

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

| # | Paper | IF | Citations |
|---|---|---|---|
| 61 | Geometry-preserving full-waveform tomography and its application in the Longmen Shan area. *Science China Earth Sciences*, **2022**, 65, 437 | 4.6 | 0 |
| 60 | 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 |
| 59 | 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 |
| 58 | Distinct Lithospheric Structure in the Xing'an-Mongolian Orogenic Belt. *Geophysical Research Letters*, **2022**, 49, | 4.9 | 1 |
| 57 | Magnetotelluric signatures of Neoproterozoic subduction, and subsequent lithospheric reactivation and thinning beneath central South China. *Tectonophysics*, **2022**, 833, 229365 | 3.1 | 2 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | Formation mechanism of the North–South Gravity Lineament in eastern China. *Tectonophysics*, **2021**, 818, 229074 | 3.1 | 2 |
| 51 | Pn uppermost mantle tomography of Central Tibet: Implication for mechanisms of N-S rifts and conjugate faults. *Tectonophysics*, **2020**, 788, 228499 | 3.1 | 4 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | New progress on the onshore-offshore seismic survey in East China Continental Margin. *Solid Earth Sciences*, **2019**, 4, 85-91 | 1.7 | 1 |
| 46 | 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 |
| 45 | 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 |

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| 44 | Crustal melting beneath orogenic plateaus: Insights from 3-D thermo-mechanical modeling. *Tectonophysics*, **2019**, 761, 1-15 | 3.1 | 10 |
| 43 | 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 |
| 42 | Overview of deep structures under the Changbaishan volcanic area in Northeast China. *Science China Earth Sciences*, **2019**, 62, 935-952 | 4.6 | 10 |
| 41 | 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 |
| 40 | 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 | |
| 39 | High-resolution uppermost mantle velocity structure beneath central Tibet and its implications for geodynamics. *Acta Geologica Sinica*, **2019**, 93, 55-55 | 0.7 | |
| 38 | 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 |
| 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 | Unusually thickened crust beneath the Emeishan large igneous province detected by virtual deep seismic sounding. *Tectonophysics*, **2017**, 721, 387-394 | 3.1 | 9 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | SANDWICH: A 2D Broadband Seismic Array in Central Tibet. *Seismological Research Letters*, **2016**, 87, 864-873 | 3 | 12 |
| 31 | Weakly coupled lithospheric extension in southern Tibet. *Earth and Planetary Science Letters*, **2015**, 430, 171-177 | 5.3 | 44 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |

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| 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 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | Modeling of Rayleigh wave dispersion in Iberia. *Geoscience Frontiers*, **2011**, 2, 35-48 | 6 | 1 |
| 19 | 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 |
| 18 | SKS splitting measurements with horizontal component misalignment. *Geophysical Journal International*, **2011**, 185, 329-340 | 2.6 | 19 |
| 17 | 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 |
| 16 | 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 |
| 15 | Love and Rayleigh Wave Tomography of the Qinghai-Tibet Plateau and Surrounding Areas. *Pure and Applied Geophysics*, **2010**, 167, 1171-1203 | 2.2 | 47 |
| 14 | Multiple superimposed probability tomography on a second electrical field. *Journal of Geophysics and Engineering*, **2009**, 6, 82-86 | 1.3 | |
| 13 | 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 |
| 12 | Crustal structure across Longmenshan fault belt from passive source seismic profiling. *Geophysical Research Letters*, **2009**, 36, | 4.9 | 144 |
| 11 | 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 |
| 10 | Crust□pper mantle seismic velocity structure across Southeastern China. *Tectonophysics*, **2005**, 395, 137-157 | 3.1 | 89 |
| 9 | 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 |

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| 8 | First-Arrival Traveltime and Amplitude Calculation From Monochromatic Two-Way Wave Equation in Frequency Domain. *Chinese Journal of Geophysics*, **2005**, 48, 467-473 | | 1 |
| 7 | 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 |
| 6 | Complex Polarization Analysis Based on Windowed Hilbert Transform and Its Application. *Chinese Journal of Geophysics*, **2005**, 48, 960-967 | | 4 |
| 5 | A Robust and Accurate Traveltime Calculation from Frequency-domain Two-way Wave-equation Modeling Algorithm. *Geosystem Engineering*, **2004**, 7, 12-20 | 1.2 | |
| 4 | Reconstruction of Semblance Section for the Crust/Mantle Reflection Structure by Wide-Angle Seismic Data. *Chinese Journal of Geophysics*, **2004**, 47, 533-538 | | 6 |
| 3 | 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 |
| 2 | The Velocity Tomography with Crosshole Seismic Data. *Chinese Journal of Geophysics*, **2000**, 43, 914-920 | | |
| 1 | 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 |