Qiang Xu

List of Publications by Citations

26 papers	740 citations	12 h-index	27 g-index
34 ext. papers	950 ext. citations	3.5 avg, IF	3.67 L-index

#	Paper	IF	Citations
26	The boundary between the Indian and Asian tectonic plates below Tibet. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11229-33	11.5	252
25	Quantifying the rise of the Himalaya orogen and implications for the South Asian monsoon. *Geology* , **2017**, 45, 215-218	5	178
24	Mapping crustal structure beneath southern Tibet: Seismic evidence for continental crustal underthrusting. *Gondwana Research*, **2015**, 27, 1487-1493	5.1	45
23	Convergence of the Indian and Eurasian plates under eastern Tibet revealed by seismic tomography. *Geochemistry, Geophysics, Geosystems*, **2012**, 13, n/a-n/a	3.6	35
22	Detailed Configuration of the Underthrusting Indian Lithosphere Beneath Western Tibet Revealed by Receiver Function Images. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 8257-8269	3.6	28
21	Crustal structure of the central Qaidam basin imaged by seismic wide-angle reflection/refraction profiling. *Tectonophysics*, **2013**, 584, 174-190	3.1	25
20	The lithosphere-asthenosphere boundary revealed by S-receiver functions from the Hi-CLIMB experiment. *Geophysical Journal International*, **2011**, 187, 414-420	2.6	23
19	Distinct lateral contrast of the crustal and upper mantle structure beneath northeast Tibetan plateau from receiver function analysis. *Physics of the Earth and Planetary Interiors*, **2013**, 217, 1-9	2.3	18
18	Imaging lithospheric structure of the eastern Himalayan syntaxis: New insights from receiver function analysis. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 2323-2332	3.6	16
17	Paleoaltimetry Potentiality of Branched GDGTs From Southern Tibet. *Geochemistry, Geophysics, Geosystems*, **2018**, 19, 551-564	3.6	13
16	Moho offset beneath the central Bangong-Nujiang suture of Tibetan Plateau. *Science Bulletin*, **2010** , 55, 607-613		13
15	Lateral Moho variations and the geometry of the Main Himalayan Thrust beneath the Nepal Himalayan orogen revealed by teleseismic receiver functions. *Geophysical Journal International*, **2018**, 214, 1004-1017	2.6	13
14	Lower-altitude of the Himalayas before the mid-Pliocene as constrained by hydrological and thermal conditions. *Earth and Planetary Science Letters*, **2020**, 545, 116422	5.3	12
13	Crustal and upper mantle velocity structure beneath central Tibet by P-wave teleseismic tomography. *Geophysical Journal International*, **2012**, 190, 1325-1334	2.6	11
12	Seismic Evidence for Lateral Asthenospheric Flow Beneath the Northeastern Tibetan Plateau Derived From S Receiver Functions. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 883-894	3.6	10
11	Density and magnetic intensity of the crust and uppermost mantle across the northern margin of the Tibetan Plateau. *Physics of the Earth and Planetary Interiors*, **2017**, 265, 15-22	2.3	9
10	Detailed Moho variations under Northeast China inferred from receiver function analyses and their tectonic implications. *Physics of the Earth and Planetary Interiors*, **2020**, 300, 106448	2.3	7

9	Complex N□ variations in Moho depth and Vp/Vs ratio beneath the western Tibetan Plateau as revealed by receiver function analysis. *Geophysical Journal International*, **2018**, 214, 895-906	2.6	7
8	Seismic P-wave tomography in eastern Tibet: Formation of the rifts. *Science Bulletin*, **2011**, 56, 2450-2455		7
7	Basement structure and properties of the southern Junggar Basin. *Journal of Geodynamics*, **2018**, 121, 26-35	2.2	6
6	Seismic anisotropy of the crust and upper mantle beneath western Tibet revealed by shear wave splitting measurements. *Geophysical Journal International*, **2019**, 216, 535-544	2.6	6
5	Structure and Stress Field of the Lithosphere Between Pamir and Tarim. *Geophysical Research Letters*, **2021**, 48, e2021GL095413	4.9	2
4	Evidence for Fluids at the Hypocenter of the 2017□Ms 7.0 Jiuzhaigou Earthquake Revealed by Local Earthquake Tomography. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB021036	3.6	2
3	Deep Crustal Contact Between the Pamir and Tarim Basin Deduced From Receiver Functions. *Geophysical Research Letters*, **2021**, 48, e2021GL093271	4.9	1
2	Moho Doublet in Southern Tibet and Its Tectonic Implication. *Acta Geologica Sinica*, **2019**, 93, 43-44	0.7	
1	Mixed crystalline basement of Junggar basin revealed by wide-angle seismic evidence. *Earth Sciences and Subsoil Use*, **2021**, 44, 8-29	0.3	