Xiaofeng Liang

List of Publications by Year in Descending Order

34 papers	742 citations	16 h-index	27 g-index
35 ext. papers	957 ext. citations	3.6 avg, IF	3.72 L-index

#	Paper	IF	Citations
34	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
33	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
32	Lateral Structural Variation of the Lithosphere-Asthenosphere System in the Northeastern to Eastern Iranian Plateau and Its Tectonic Implications. *Journal of Geophysical Research: Solid Earth*, **2021**, 126,	3.6	5
31	Asthenospheric Flow Channel From Northeastern Tibet Imaged by Seismic Tomography Between Ordos Block and Yangtze Craton. *Geophysical Research Letters*, **2021**, 48, e2021GL093561	4.9	3
30	Magmatic Underplating Thickening of the Crust of the Southern Tibetan Plateau Inferred From Receiver Function Analysis. *Geophysical Research Letters*, **2021**, 48, e2021GL093754	4.9	4
29	Pn uppermost mantle tomography of Central Tibet: Implication for mechanisms of N-S rifts and conjugate faults. *Tectonophysics*, **2020**, 788, 228499	3.1	4
28	Burial Process of a Seismic Station by Moving Dunes in Tarim Basin. *Seismological Research Letters*, **2020**, 91, 2936-2941	3	0
27	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
26	Subduction tectonics vs. Plume tectonics□Discussion on driving forces for plate motion. *Science China Earth Sciences*, **2020**, 63, 315-328	4.6	12
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	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
23	Upper Crustal Weak Zone in Central Tibet: An Implication From Three-Dimensional Seismic Velocity and Attenuation Tomography Results. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 4654-4672	3.6	10
22	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	
21	Cyclical one-way continental rupture-drift in the Tethyan evolution: Subduction-driven plate tectonics. *Science China Earth Sciences*, **2019**, 62, 2005-2016	4.6	43
20	High-resolution uppermost mantle velocity structure beneath central Tibet and its implications for geodynamics. *Acta Geologica Sinica*, **2019**, 93, 55-55	0.7	
19	Analysis of the seismicity in central Tibet based on the SANDWICH network and its tectonic implications. *Tectonophysics*, **2017**, 702, 1-7	3.1	12
18	Subduction of the Indian slab into the mantle transition zone revealed by receiver functions. *Tectonophysics*, **2017**, 702, 61-69	3.1	17

17	Unusually thickened crust beneath the Emeishan large igneous province detected by virtual deep seismic sounding. *Tectonophysics*, **2017**, 721, 387-394	3.1	9
16	Limited southward underthrusting of the Asian lithosphere and material extrusion beneath the northeastern margin of Tibet, inferred from teleseismic Rayleigh wave tomography. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 7172-7189	3.6	22
15	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
14	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
13	SANDWICH: A 2D Broadband Seismic Array in Central Tibet. *Seismological Research Letters*, **2016**, 87, 864-873	3	12
12	Weakly coupled lithospheric extension in southern Tibet. *Earth and Planetary Science Letters*, **2015**, 430, 171-177	5.3	44
11	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
10	Crustal structures across the western Weihe Graben, North China: Implications for extrusion tectonics at the northeast margin of Tibetan Plateau. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 5070-5081	3.6	12
9	2.5-Dimensional tomography of uppermost mantle beneath Sichuan–Yunnan and surrounding regions. *Tectonophysics*, **2014**, 627, 193-204	3.1	15
8	Delamination of southern Puna lithosphere revealed by body wave attenuation tomography. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 549-566	3.6	18
7	Joint inversion of surface waves and teleseismic body waves across the Tibetan collision zone: the fate of subducted Indian lithosphere. *Geophysical Journal International*, **2014**, 198, 1526-1542	2.6	33
6	A complex Tibetan upper mantle: A fragmented Indian slab and no south-verging subduction of Eurasian lithosphere. *Earth and Planetary Science Letters*, **2012**, 333-334, 101-111	5.3	91
5	Lithospheric and upper mantle structure of the northeastern Tibetan Plateau. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		65
4	Crustal and mantle velocity models of southern Tibet from finite frequency tomography. *Journal of Geophysical Research*, **2011**, 116,		26
3	3-D lithospheric structure beneath southern Tibet from Rayleigh-wave tomography with a 2-D seismic array. *Geophysical Journal International*, **2011**, 185, 593-608	2.6	22
2	Indian mantle corner flow at southern Tibet revealed by shear wave splitting measurements. *Geophysical Research Letters*, **2008**, 35,	4.9	31
1	Earthquake distribution in southern Tibet and its tectonic implications. *Journal of Geophysical Research*, **2008**, 113,		26