

# Xiaofeng Liang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A complex Tibetan upper mantle: A fragmented Indian slab and no south-verging subduction of Eurasian lithosphere. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 333-334, 101-111	5.3	91
33	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> , <b>2016</b> , 443, 162-175	5.3	84
32	Lithospheric and upper mantle structure of the northeastern Tibetan Plateau. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		65
31	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> , <b>2015</b> , 432, 103-114	5.3	48
30	Weakly coupled lithospheric extension in southern Tibet. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 430, 171-177	5.3	44
29	Cyclical one-way continental rupture-drift in the Tethyan evolution: Subduction-driven plate tectonics. <i>Science China Earth Sciences</i> , <b>2019</b> , 62, 2005-2016	4.6	43
28	Joint inversion of surface waves and teleseismic body waves across the Tibetan collision zone: the fate of subducted Indian lithosphere. <i>Geophysical Journal International</i> , <b>2014</b> , 198, 1526-1542	2.6	33
27	Indian mantle corner flow at southern Tibet revealed by shear wave splitting measurements. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	31
26	Magmatic underplating beneath the Emeishan large igneous province (South China) revealed by the COMGRA-ELIP experiment. <i>Tectonophysics</i> , <b>2016</b> , 672-673, 16-23	3.1	28
25	Crustal and mantle velocity models of southern Tibet from finite frequency tomography. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		26
24	Earthquake distribution in southern Tibet and its tectonic implications. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		26
23	Limited southward underthrusting of the Asian lithosphere and material extrusion beneath the northeastern margin of Tibet, inferred from teleseismic Rayleigh wave tomography. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2017</b> , 122, 7172-7189	3.6	22
22	3-D lithospheric structure beneath southern Tibet from Rayleigh-wave tomography with a 2-D seismic array. <i>Geophysical Journal International</i> , <b>2011</b> , 185, 593-608	2.6	22
21	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> , <b>2019</b> , 514, 75-83	5.3	20
20	Delamination of southern Puna lithosphere revealed by body wave attenuation tomography. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 549-566	3.6	18
19	Subduction of the Indian slab into the mantle transition zone revealed by receiver functions. <i>Tectonophysics</i> , <b>2017</b> , 702, 61-69	3.1	17
18	2.5-Dimensional tomography of uppermost mantle beneath Sichuan-Yunnan and surrounding regions. <i>Tectonophysics</i> , <b>2014</b> , 627, 193-204	3.1	15

17	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> , <b>2020</b> , 531, 115954	5.3	13
16	Analysis of the seismicity in central Tibet based on the SANDWICH network and its tectonic implications. <i>Tectonophysics</i> , <b>2017</b> , 702, 1-7	3.1	12
15	Crustal structures across the western Weihe Graben, North China: Implications for extrusion tectonics at the northeast margin of Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2015</b> , 120, 5070-5081	3.6	12
14	Subduction tectonics vs. Plume tectonics Discussion on driving forces for plate motion. <i>Science China Earth Sciences</i> , <b>2020</b> , 63, 315-328	4.6	12
13	SANDWICH: A 2D Broadband Seismic Array in Central Tibet. <i>Seismological Research Letters</i> , <b>2016</b> , 87, 864-873	3	12
12	Upper Crustal Weak Zone in Central Tibet: An Implication From Three-Dimensional Seismic Velocity and Attenuation Tomography Results. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 4654-4672	3.6	10
11	Unusually thickened crust beneath the Emeishan large igneous province detected by virtual deep seismic sounding. <i>Tectonophysics</i> , <b>2017</b> , 721, 387-394	3.1	9
10	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> , <b>2019</b> , 109, 1968-1984	2.3	7
9	Lateral Structural Variation of the Lithosphere-Asthenosphere System in the Northeastern to Eastern Iranian Plateau and Its Tectonic Implications. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126,	3.6	5
8	Pn uppermost mantle tomography of Central Tibet: Implication for mechanisms of N-S rifts and conjugate faults. <i>Tectonophysics</i> , <b>2020</b> , 788, 228499	3.1	4
7	Lateral Seismic Anisotropy Variations Record Interaction Between Tibetan Mantle Flow and Plume-Strengthened Yangtze Craton. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2020JB020841	3.6	4
6	Magmatic Underplating Thickening of the Crust of the Southern Tibetan Plateau Inferred From Receiver Function Analysis. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093754	4.9	4
5	Asthenospheric Flow Channel From Northeastern Tibet Imaged by Seismic Tomography Between Ordos Block and Yangtze Craton. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093561	4.9	3
4	Deep electrical resistivity structure across the Gyaring Co Fault in Central Tibet revealed by magnetotelluric data and its implication. <i>Tectonophysics</i> , <b>2021</b> , 809, 228835	3.1	2
3	Burial Process of a Seismic Station by Moving Dunes in Tarim Basin. <i>Seismological Research Letters</i> , <b>2020</b> , 91, 2936-2941	3	0
2	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> , <b>2019</b> , 93, 74-74	0.7	
1	High-resolution uppermost mantle velocity structure beneath central Tibet and its implications for geodynamics. <i>Acta Geologica Sinica</i> , <b>2019</b> , 93, 55-55	0.7	