Zhouchuan Huang

List of Publications by Year in Descending Order

55 papers	1,441 citations	21 h-index	37 g-index
56 ext. papers	1,754 ext. citations	3.3 avg, IF	4.86 L-index

#	Paper	IF	Citations
55	Rayleigh wave tomography of central and southern Mongolia. *Tectonophysics*, **2022**, 229426	3.1	0
54	Seismic structure and subduction dynamics of the western Japan arc. *Tectonophysics*, **2021**, 802, 228743	3.1	3
53	Mantle dynamics in the SE Tibetan Plateau revealed by teleseismic shear-wave splitting analysis. *Physics of the Earth and Planetary Interiors*, **2021**, 313, 106687	2.3	2
52	Lithospheric structures beneath the western Mongolian Plateau: Insight from S wave receiver function. *Journal of Asian Earth Sciences*, **2021**, 212, 104733	2.8	6
51	Mantle Convection in Subduction Zones. *Geophysical Monograph Series*, **2021**, 283-301	1.1	
50	Layered crustal azimuthal anisotropy beneath the northeastern Tibetan Plateau revealed by Rayleigh-wave Eikonal tomography. *Earth and Planetary Science Letters*, **2021**, 563, 116891	5.3	5
49	P and S wave tomography of east-central China: insight into past and present mantle dynamics. *Tectonophysics*, **2021**, 809, 228859	3.1	5
48	Isotropic and Anisotropic P Wave Velocity Structures of the Crust and Uppermost Mantle Beneath Turkey. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB019566	3.6	7
47	Seismic tomography in the southern margin of the Sichuan Basin: Insight into the plateau-craton interaction and seismotectonics in the SE Tibetan Plateau. *Journal of Asian Earth Sciences*, **2020**, 199, 104464	2.8	3
46	Structural Heterogeneity in Source Zones of the 2018 Anchorage Intraslab Earthquake and the 1964 Alaska Megathrust Earthquake. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2019GC008812	3.6	6
45	Lateral variation of the mantle transition zone beneath the Tibetan Plateau: Insight into thermal processes during Indian–Asian collision. *Physics of the Earth and Planetary Interiors*, **2020**, 301, 106452	2.3	1
44	A Method for Estimating the Crustal Azimuthal Anisotropy and Moho Orientation Simultaneously Using Receiver Functions. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018405	3.6	1
43	Sharp Lateral Moho Variations Across the SE Tibetan Margin and Their Implications for Plateau Growth. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018117	3.6	7
42	Layered crustal anisotropy and deformation in the SE Tibetan plateau revealed by Markov-Chain-Monte-Carlo inversion of receiver functions. *Physics of the Earth and Planetary Interiors*, **2020**, 306, 106522	2.3	6
41	Tectonic evolution of the eastern margin of the Tibetan plateau: Insight from crustal structures using P wave receiver functions. *Journal of Asian Earth Sciences*, **2020**, 191, 104230	2.8	3
40	Upper-Mantle Anisotropy and Dynamics Beneath Northeast Asia: Insight From SKS and Local S Splitting Analysis. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2020GC009160	3.6	5
39	Aseismic Deep Slab and Mantle Flow Beneath Alaska: Insight From Anisotropic Tomography. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 1700-1724	3.6	36

38	Focal mechanism and stress field in the northeastern Tibetan Plateau: insight into layered crustal deformations. *Geophysical Journal International*, **2019**, 218, 2066-2078	2.6	4
37	Imaging the Mantle Lithosphere below the China cratons using S-to-p converted waves. *Tectonophysics*, **2019**, 754, 73-79	3.1	8
36	Stress Field in the 2016 Kumamoto Earthquake (M 7.3) Area. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 2638-2652	3.6	6
35	Tomography, Seismotectonics, and Mantle Dynamics of Central and Eastern United States. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 8890-8907	3.6	9
34	Insight into the NE Tibetan Plateau expansion from crustal and upper mantle anisotropy revealed by shear-wave splitting. *Acta Geologica Sinica*, **2019**, 93, 143-143	0.7	
33	Structural Heterogeneity and Anisotropy in the Source Zone of the 2018 Eastern Iburi Earthquake in Hokkaido, Japan. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 7052-7066	3.6	15
32	P and S Wave Tomography Beneath the SE Tibetan Plateau: Evidence for Lithospheric Delamination. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 10292-10308	3.6	20
31	P Wave Azimuthal Anisotropic Tomography in Northern Chile: Insight Into Deformation in the Subduction Zone. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 742-765	3.6	8
30	Insight into the subducted Indian slab and origin of the Tengchong volcano in SE Tibet from receiver function analysis. *Earth and Planetary Science Letters*, **2018**, 482, 567-579	5.3	31
29	P Wave Anisotropic Tomography of the SE Tibetan Plateau: Evidence for the Crustal and Upper-Mantle Deformations. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 8957-8978	3.6	19
28	Crustal tomography of the 2016 Kumamoto earthquake area in West Japan using P and PmP data. *Geophysical Journal International*, **2018**, 214, 1151-1163	2.6	18
27	Anisotropic 3-D Ray Tracing and Its Application to Japan Subduction Zone. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 4088-4108	3.6	9
26	Insight into NE Tibetan Plateau expansion from crustal and upper mantle anisotropy revealed by shear-wave splitting. *Earth and Planetary Science Letters*, **2017**, 478, 66-75	5.3	34
25	Crustal stress field in Yunnan: implication for crust-mantle coupling. *Earthquake Science*, **2016**, 29, 105-115	1.5	16
24	SplitRFLab: A MATLAB GUI toolbox for receiver function analysis based on SplitLab. *Earthquake Science*, **2016**, 29, 17-26	1.5	3
23	Teleseismic shear-wave splitting in SE Tibet: Insight into complex crust and upper-mantle deformation. *Earth and Planetary Science Letters*, **2015**, 432, 354-362	5.3	33
22	Mantle structure and dynamics beneath SE Tibet revealed by new seismic images. *Earth and Planetary Science Letters*, **2015**, 411, 100-111	5.3	85
21	P wave tomography and anisotropy beneath Southeast Asia: Insight into mantle dynamics. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 5154-5174	3.6	76

20	On the trade-off between seismic anisotropy and heterogeneity: Numerical simulations and application to Northeast Japan. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 3255-3277	3.6	43
19	Two crustal low-velocity channels beneath SE Tibet revealed by joint inversion of Rayleigh wave dispersion and receiver functions. *Earth and Planetary Science Letters*, **2015**, 415, 16-24	5.3	132
18	Three-dimensional P wave azimuthal anisotropy in the lithosphere beneath China. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 5686-5712	3.6	38
17	Crustal structure beneath the Weihe Graben in central China: Evidence for the tectonic regime transformation in the Cenozoic. *Journal of Asian Earth Sciences*, **2014**, 81, 105-114	2.8	12
16	Mapping P-wave azimuthal anisotropy in the crust and upper mantle beneath the United States. *Physics of the Earth and Planetary Interiors*, **2013**, 225, 28-40	2.3	35
15	Relocating the 2011 Tohoku-oki earthquakes (M 6.0–9.0). *Tectonophysics*, **2013**, 586, 35-45	3.1	26
14	Aseismic deep subduction of the Philippine Sea plate and slab window. *Journal of Asian Earth Sciences*, **2013**, 75, 82-94	2.8	44
13	Mechanism of the 2011 Tohoku-oki earthquake (Mw 9.0) and tsunami: Insight from seismic tomography. *Journal of Asian Earth Sciences*, **2013**, 70-71, 160-168	2.8	43
12	Distinct lateral variations of upper mantle anisotropy beneath eastern China revealed by shear-wave splitting. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 1842-1855	3.6	3
11	Shear wave anisotropy in the crust, mantle wedge, and subducting Pacific slab under northeast Japan. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	70
10	Stress field in the 2008 Iwate-Miyagi earthquake (M7.2) area. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	5
9	Frequency-dependent shear-wave splitting and multilayer anisotropy in northeast Japan. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	33
8	Structural heterogeneity in the megathrust zone and mechanism of the 2011 Tohoku-oki earthquake (Mw 9.0). *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	119
7	Seismic anisotropy and mantle dynamics beneath China. *Earth and Planetary Science Letters*, **2011**, 306, 105-117	5.3	94
6	Seismic imaging of the Amur–Okhotsk plate boundary zone in the Japan Sea. *Physics of the Earth and Planetary Interiors*, **2011**, 188, 82-95	2.3	25
5	Seismic heterogeneity and anisotropy of the Honshu arc from the Japan Trench to the Japan Sea. *Geophysical Journal International*, **2011**, 184, 1428-1444	2.6	96
4	P-wave tomography, anisotropy and seismotectonics in the eastern margin of Japan Sea. *Tectonophysics*, **2010**, 489, 177-188	3.1	17
3	Upper mantle structure and dynamics beneath Southeast China. *Physics of the Earth and Planetary Interiors*, **2010**, 182, 161-169	2.3	43

2	Shear wave splitting in the southern margin of the Ordos Block, north China. *Geophysical Research Letters*, **2008**, 35,	4.9	52
1	Shear wave splitting across the Ailao Shan-Red River fault zone, SW China. *Geophysical Research Letters*, **2007**, 34,	4.9	21