

Zhouchuan Huang

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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	Two crustal low-velocity channels beneath SE Tibet revealed by joint inversion of Rayleigh wave dispersion and receiver functions. <i>Earth and Planetary Science Letters</i> , 2015 , 415, 16-24	5.3	132
54	Structural heterogeneity in the megathrust zone and mechanism of the 2011 Tohoku-oki earthquake (Mw 9.0). <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	119
53	Seismic heterogeneity and anisotropy of the Honshu arc from the Japan Trench to the Japan Sea. <i>Geophysical Journal International</i> , 2011 , 184, 1428-1444	2.6	96
52	Seismic anisotropy and mantle dynamics beneath China. <i>Earth and Planetary Science Letters</i> , 2011 , 306, 105-117	5.3	94
51	Mantle structure and dynamics beneath SE Tibet revealed by new seismic images. <i>Earth and Planetary Science Letters</i> , 2015 , 411, 100-111	5.3	85
50	P wave tomography and anisotropy beneath Southeast Asia: Insight into mantle dynamics. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 5154-5174	3.6	76
49	Shear wave anisotropy in the crust, mantle wedge, and subducting Pacific slab under northeast Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	70
48	Shear wave splitting in the southern margin of the Ordos Block, north China. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	52
47	Aseismic deep subduction of the Philippine Sea plate and slab window. <i>Journal of Asian Earth Sciences</i> , 2013 , 75, 82-94	2.8	44
46	Mechanism of the 2011 Tohoku-oki earthquake (Mw 9.0) and tsunami: Insight from seismic tomography. <i>Journal of Asian Earth Sciences</i> , 2013 , 70-71, 160-168	2.8	43
45	On the trade-off between seismic anisotropy and heterogeneity: Numerical simulations and application to Northeast Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 3255-3277	3.6	43
44	Upper mantle structure and dynamics beneath Southeast China. <i>Physics of the Earth and Planetary Interiors</i> , 2010 , 182, 161-169	2.3	43
43	Three-dimensional P wave azimuthal anisotropy in the lithosphere beneath China. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 5686-5712	3.6	38
42	Aseismic Deep Slab and Mantle Flow Beneath Alaska: Insight From Anisotropic Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 1700-1724	3.6	36
41	Mapping P-wave azimuthal anisotropy in the crust and upper mantle beneath the United States. <i>Physics of the Earth and Planetary Interiors</i> , 2013 , 225, 28-40	2.3	35
40	Insight into NE Tibetan Plateau expansion from crustal and upper mantle anisotropy revealed by shear-wave splitting. <i>Earth and Planetary Science Letters</i> , 2017 , 478, 66-75	5.3	34
39	Teleseismic shear-wave splitting in SE Tibet: Insight into complex crust and upper-mantle deformation. <i>Earth and Planetary Science Letters</i> , 2015 , 432, 354-362	5.3	33

38	Frequency-dependent shear-wave splitting and multilayer anisotropy in northeast Japan. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	33
37	Insight into the subducted Indian slab and origin of the Tengchong volcano in SE Tibet from receiver function analysis. <i>Earth and Planetary Science Letters</i> , 2018 , 482, 567-579	5.3	31
36	Relocating the 2011 Tohoku-oki earthquakes (M 6.0-9.0). <i>Tectonophysics</i> , 2013 , 586, 35-45	3.1	26
35	Seismic imaging of the Amur-Dkhotsk plate boundary zone in the Japan Sea. <i>Physics of the Earth and Planetary Interiors</i> , 2011 , 188, 82-95	2.3	25
34	Shear wave splitting across the Ailao Shan-Red River fault zone, SW China. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	21
33	P and S Wave Tomography Beneath the SE Tibetan Plateau: Evidence for Lithospheric Delamination. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 10292-10308	3.6	20
32	P Wave Anisotropic Tomography of the SE Tibetan Plateau: Evidence for the Crustal and Upper-Mantle Deformations. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 8957-8978	3.6	19
31	Crustal tomography of the 2016 Kumamoto earthquake area in West Japan using P and PmP data. <i>Geophysical Journal International</i> , 2018 , 214, 1151-1163	2.6	18
30	P-wave tomography, anisotropy and seismotectonics in the eastern margin of Japan Sea. <i>Tectonophysics</i> , 2010 , 489, 177-188	3.1	17
29	Crustal stress field in Yunnan: implication for crust-mantle coupling. <i>Earthquake Science</i> , 2016 , 29, 105-115	3.1	16
28	Structural Heterogeneity and Anisotropy in the Source Zone of the 2018 Eastern Iburi Earthquake in Hokkaido, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 7052-7066	3.6	15
27	Crustal structure beneath the Weihe Graben in central China: Evidence for the tectonic regime transformation in the Cenozoic. <i>Journal of Asian Earth Sciences</i> , 2014 , 81, 105-114	2.8	12
26	Tomography, Seismotectonics, and Mantle Dynamics of Central and Eastern United States. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 8890-8907	3.6	9
25	Anisotropic 3-D Ray Tracing and Its Application to Japan Subduction Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 4088-4108	3.6	9
24	Imaging the Mantle Lithosphere below the China cratons using S-to-p converted waves. <i>Tectonophysics</i> , 2019 , 754, 73-79	3.1	8
23	P Wave Azimuthal Anisotropic Tomography in Northern Chile: Insight Into Deformation in the Subduction Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 742-765	3.6	8
22	Isotropic and Anisotropic P Wave Velocity Structures of the Crust and Uppermost Mantle Beneath Turkey. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019566	3.6	7
21	Sharp Lateral Moho Variations Across the SE Tibetan Margin and Their Implications for Plateau Growth. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018117	3.6	7

20	Stress Field in the 2016 Kumamoto Earthquake (M 7.3) Area. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 2638-2652	3.6	6
19	Structural Heterogeneity in Source Zones of the 2018 Anchorage Intralab Earthquake and the 1964 Alaska Megathrust Earthquake. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2019GC008812	3.6	6
18	Layered crustal anisotropy and deformation in the SE Tibetan plateau revealed by Markov-Chain-Monte-Carlo inversion of receiver functions. <i>Physics of the Earth and Planetary Interiors</i> , 2020 , 306, 106522	2.3	6
17	Lithospheric structures beneath the western Mongolian Plateau: Insight from S wave receiver function. <i>Journal of Asian Earth Sciences</i> , 2021 , 212, 104733	2.8	6
16	Stress field in the 2008 Iwate-Miyagi earthquake (M7.2) area. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	5
15	Upper-Mantle Anisotropy and Dynamics Beneath Northeast Asia: Insight From SKS and Local S Splitting Analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC009160	3.6	5
14	Layered crustal azimuthal anisotropy beneath the northeastern Tibetan Plateau revealed by Rayleigh-wave Eikonal tomography. <i>Earth and Planetary Science Letters</i> , 2021 , 563, 116891	5.3	5
13	P and S wave tomography of east-central China: insight into past and present mantle dynamics. <i>Tectonophysics</i> , 2021 , 809, 228859	3.1	5
12	Focal mechanism and stress field in the northeastern Tibetan Plateau: insight into layered crustal deformations. <i>Geophysical Journal International</i> , 2019 , 218, 2066-2078	2.6	4
11	Seismic tomography in the southern margin of the Sichuan Basin: Insight into the plateau-craton interaction and seismotectonics in the SE Tibetan Plateau. <i>Journal of Asian Earth Sciences</i> , 2020 , 199, 104464	2.8	3
10	Distinct lateral variations of upper mantle anisotropy beneath eastern China revealed by shear-wave splitting. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 1842-1855	3.6	3
9	Tectonic evolution of the eastern margin of the Tibetan plateau: Insight from crustal structures using P wave receiver functions. <i>Journal of Asian Earth Sciences</i> , 2020 , 191, 104230	2.8	3
8	Seismic structure and subduction dynamics of the western Japan arc. <i>Tectonophysics</i> , 2021 , 802, 228743	3.1	3
7	SplitRFLab: A MATLAB GUI toolbox for receiver function analysis based on SplitLab. <i>Earthquake Science</i> , 2016 , 29, 17-26	1.5	3
6	Mantle dynamics in the SE Tibetan Plateau revealed by teleseismic shear-wave splitting analysis. <i>Physics of the Earth and Planetary Interiors</i> , 2021 , 313, 106687	2.3	2
5	Lateral variation of the mantle transition zone beneath the Tibetan Plateau: Insight into thermal processes during Indian-Asian collision. <i>Physics of the Earth and Planetary Interiors</i> , 2020 , 301, 106452	2.3	1
4	A Method for Estimating the Crustal Azimuthal Anisotropy and Moho Orientation Simultaneously Using Receiver Functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018405	3.6	1
3	Rayleigh wave tomography of central and southern Mongolia. <i>Tectonophysics</i> , 2022 , 229426	3.1	0

- 2 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
- 1 Mantle Convection in Subduction Zones. *Geophysical Monograph Series*, **2021**, 283-301 1.1