

Hua-Wei Zhou

List of Publications by Year in descending order

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54
papers

1,133
citations

623734

14
h-index

414414

32
g-index

55
all docs

55
docs citations

55
times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	Tomographic evidence for wholesale underthrusting of India beneath the entire Tibetan plateau. <i>Journal of Asian Earth Sciences</i> , 2005, 25, 445-457.	2.3	142
2	<i>P</i> and <i>S</i> wave travel time inversions for subducting slab under the island arcs of the northwest Pacific. <i>Journal of Geophysical Research</i> , 1990, 95, 6829-6851.	3.3	135
3	A high-resolution <i>P</i> wave model for the top 1200 km of the mantle. <i>Journal of Geophysical Research</i> , 1996, 101, 27791-27810.	3.3	108
4	Rapid three-dimensional hypocentral determination using a master station method. <i>Journal of Geophysical Research</i> , 1994, 99, 15439.	3.3	94
5	Reverse time migration: A prospect of seismic imaging methodology. <i>Earth-Science Reviews</i> , 2018, 179, 207-227.	9.1	82
6	Modeling of residual spheres for subduction zone earthquakes: 1. Apparent slab penetration signatures in the NW Pacific caused by deep diffuse mantle anomalies. <i>Journal of Geophysical Research</i> , 1990, 95, 6799-6827.	3.3	53
7	How well can we resolve the deep seismic slab with seismic tomography?. <i>Geophysical Research Letters</i> , 1988, 15, 1425-1428.	4.0	47
8	Multiscale deformable-layer tomography. <i>Geophysics</i> , 2006, 71, R11-R19.	2.6	47
9	Mapping of <i>P</i> -wave slab anomalies beneath the Tonga, Kermadec and New Hebrides arcs. <i>Physics of the Earth and Planetary Interiors</i> , 1990, 61, 199-229.	1.9	42
10	Observations on earthquake stress axes and seismic morphology of deep slabs. <i>Geophysical Journal International</i> , 1990, 103, 377-401.	2.4	39
11	Blind Test of Methods for Obtaining 2-D Near-Surface Seismic Velocity Models from First-Arrival Traveltimes. <i>Journal of Environmental and Engineering Geophysics</i> , 2013, 18, 183-194.	0.5	25
12	Slope of the geoid spectrum and constraints on mantle viscosity stratification. <i>Geophysical Research Letters</i> , 1996, 23, 3063-3066.	4.0	23
13	Static corrections in mountainous areas using Fresnel-wavepath tomography. <i>Journal of Applied Geophysics</i> , 2014, 111, 242-249.	2.1	16
14	Multi-scale Tomography for Crustal <i>P</i> and <i>S</i> Velocities in Southern California. <i>Pure and Applied Geophysics</i> , 2004, 161, 283-302.	1.9	14
15	First-break vertical seismic profiling tomography for Vinton Salt Dome. <i>Geophysics</i> , 2006, 71, U29-U36.	2.6	14
16	Constrained deformable layer tomostatics. <i>Geophysics</i> , 2009, 74, WCB35-WCB46.	2.6	14
17	Upper crustal structure beneath the northern South Yellow Sea revealed by wide-angle seismic tomography and joint interpretation of geophysical data. <i>Geological Journal</i> , 2016, 51, 108-122.	1.3	13
18	Direct inversion of velocity interfaces. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	11

#	ARTICLE	IF	CITATIONS
19	A comparative analysis of deformable layer tomography and cell tomography along the LARSE lines in southern California. <i>Geophysical Journal International</i> , 2010, 180, 1200-1222.	2.4	11
20	Wave-equation global datuming based on the double square root operator. <i>Geophysics</i> , 2011, 76, U35-U43.	2.6	11
21	Evaluation of multi-scale full waveform inversion with marine vertical cable data. <i>Journal of Earth Science (Wuhan, China)</i> , 2015, 26, 481-486.	3.2	11
22	A revisit to P-wave travel time statics at teleseismic stations. <i>Journal of Geophysical Research</i> , 1994, 99, 17849-17862.	3.3	10
23	Miocene rifting in the Los Angeles basin: Evidence from the Puente Hills half-graben, volcanic rocks, and P-wave tomography. <i>Geology</i> , 2002, 30, 451.	4.4	10
24	Tomographic velocity model building of the near surface with velocity-inversion interfaces: A test using the Yilmaz model. <i>Geophysics</i> , 2010, 75, U39-U47.	2.6	10
25	Traveltime inversion and error analysis for layered anisotropy. <i>Journal of Applied Geophysics</i> , 2011, 73, 101-110.	2.1	7
26	Crustal-scale prestack depth imaging of the 1994 and 1999 LARSE surveys. <i>Geophysical Prospecting</i> , 2008, 56, 577-585.	1.9	6
27	Deformable layer tomostatics: 2D examples in western China. <i>The Leading Edge</i> , 2009, 28, 206-210.	0.7	6
28	Reverse-time imaging of a doublet of microearthquakes in the Three Gorges Reservoir region. <i>Geophysical Journal International</i> , 2014, 196, 1858-1868.	2.4	6
29	Propagation of Gaussian wave packets in complex media and application to fracture characterization. <i>Geophysical Journal International</i> , 2017, 210, 1244-1251.	2.4	6
30	Linear traveltime perturbation interpolation: a novel method to compute 3-D traveltimes. <i>Geophysical Journal International</i> , 2015, 203, 548-552.	2.4	5
31	Waveform response to the morphology of 2-D subducted slabs. <i>Geophysical Journal International</i> , 1995, 121, 511-522.	2.4	4
32	Impact and Solutions of Seawater Heterogeneity on Wide-Angle Tomographic Inversion of Crustal Velocities in Deep Marine Environments – Numerical Studies. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 1380-1389.	3.2	4
33	Velocity model building for single-offset VSP data via deformable-layer tomography: A Texas salt dome example. <i>Geophysics</i> , 2021, 86, U63-U73.	2.6	4
34	Multiscale migration tomography to constrain depth-imaging artifacts. <i>Geophysics</i> , 2008, 73, VE217-VE222.	2.6	3
35	A layer-cell approach of near-surface first-arrival tomography. , 2016, , .		3
36	Inversion for Salt Flank Geometry Using Transmitted P- and S-Wave Travel Times. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 6504-6511.	6.3	3

#	ARTICLE	IF	CITATIONS
37	A Layer-cell Tomography Method for Near-surface Velocity Model Building Using First Arrivals. Pure and Applied Geophysics, 2020, 177, 4161-4175.	1.9	3
38	New Perspectives on Mantle Dynamics from High-resolution Seismic Tomographic Model P1200. , 1998, , 503-525.		3
39	Determination of reflector angular position using directional phase-encoded wavefield. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 15-25.	6.3	2
40	Demasking multiple artifact in crustal seismic images from marine reflection data in the southern california borderland. Journal of Earth Science (Wuhan, China), 2015, 26, 592-597.	3.2	2
41	Multi-scale reflection layer tomography to estimate base-salt geometry. , 2015, , .		2
42	Quantification of the Impact of Seismic Anisotropy in Microseismic Location. International Journal of Geosciences, 2016, 07, 884-890.	0.6	2
43	Artificial generation of a directional phase-encoded wavefield. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 262-267.	6.3	1
44	An evaluation of reverse-time imaging of clustering earthquakes. Journal of Earth Science (Wuhan,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	1
45	Joint inversion for microseismic event positions and velocity structures by combining multiscale deformable-layer tomography and master station earthquake location method. , 2016, , .		1
46	Synthesis of Directional Wave Packets from Shot Records. Pure and Applied Geophysics, 2019, 176, 4321-4333.	1.9	1
47	Imaging improvement in angle-domain common-image-gathers by a local stack utilizing segmentation method. , 2018, , .		1
48	Tomographic velocity model building for complex near-surface and its impact on depth imaging. , 2018, , .		1
49	Assessing the source radiation pattern (SRP) of onshore seismic data: Preliminary results. , 2019, , .		1
50	High-resolution teleseismic tomographic crustal imaging for potential seismogenic segment of the central Tan-Lu Fault Zone, East China. Tectonophysics, 2022, 823, 229196.	2.2	1
51	Imaging Enhancement in Angle-Domain Common-Image-Gathers Using the Connected-Component Labeling Method. Pure and Applied Geophysics, 2020, 177, 4897-4912.	1.9	0
52	Deformable layer tomostatics with 3D gradient velocity models. , 2012, , .		0
53	Velocity model building based on multiscale deformable-layer tomography using first-arrival and reflection traveltimes. , 2018, , .		0
54	Local model roughness constrained full waveform inversion. , 2018, , .		0