Hua-Wei Zhou

List of Publications by Year
in descending order

54	1,133	623734 14	414414 32
papers	citations	h-index	g-index

55	55	55	884
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Velocity model building for single-offset VSP data via deformable-layer tomography: A Texas salt dome example. Geophysics, 2021, 86, U63-U73.	2.6	4
3	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
4	Inversion for Salt Flank Geometry Using Transmitted P- and S-Wave Travel Times. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6504-6511.	6.3	3
5	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
6	Synthesis of Directional Wave Packets from Shot Records. Pure and Applied Geophysics, 2019, 176, 4321-4333.	1.9	1
7	Assessing the source radiation pattern (SRP) of onshore seismic data: Preliminary results. , 2019, , .		1
8	Reverse time migration: A prospect of seismic imaging methodology. Earth-Science Reviews, 2018, 179, 207-227.	9.1	82
9	Impact and Solutions of Seawater Heterogeneity on Wide-Angle Tomographic Inversion of Crustal Velocities in Deep Marine Environmentsâ€”Numerical Studies. Journal of Earth Science (Wuhan, China), 2018, 29, 1380-1389.	3.2	4
10	Imaging improvement in angle-domain common-image-gathers by a local stack utilizing segmentation method. , 2018, , .		1
11	Tomographic velocity model building for complex near-surface and its impact on depth imaging. , 2018, , .		1
12	Velocity model building based on multiscale deformable-layer tomography using first-arrival and reflection traveltimes. , 2018, , .		0
13	Local model roughness constrained full waveform inversion. , 2018, , .		0
14	Propagation of Gaussian wave packets in complex media and application to fracture characterization. Geophysical Journal International, 2017, 210, 1244-1251.	2.4	6
15	Joint inversion for microseismic event positions and velocity structures by combining multiscale deformable-layer tomography and master station earthquake location method. , 2016, , .		1
16	Upper crustal structure beneath the northern South Yellow Sea revealed by wideâ€angle seismic tomography and joint interpretation of geophysical data. Geological Journal, 2016, 51, 108-122.	1.3	13
17	A layer-cell approach of near-surface first-arrival tomography. , 2016, , .		3
18	Quantification of the Impact of Seismic Anisotropy in Microseismic Location. International Journal of Geosciences, 2016, 07, 884-890.	0.6	2

#	Article	IF	Citations
19	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
20	Evaluation of multi-scale full waveform inversion with marine vertical cable data. Journal of Earth Science (Wuhan, China), 2015, 26, 481-486.	3.2	11
21	An evaluation of reverse-time imaging of clustering earthquakes. Journal of Earth Science (Wuhan,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	1
22	Linear traveltime perturbation interpolation: a novel method to compute 3-D traveltimes. Geophysical Journal International, 2015, 203, 548-552.	2.4	5
23	Multi-scale reflection layer tomography to estimate base-salt geometry. , 2015, , .		2
24	Reverse-time imaging of a doublet of microearthquakes in the Three Gorges Reservoir region. Geophysical Journal International, 2014, 196, 1858-1868.	2.4	6
25	Static corrections in mountainous areas using Fresnel-wavepath tomography. Journal of Applied Geophysics, 2014, 111, 242-249.	2.1	16
26	Blind Test of Methods for Obtaining 2-D Near-Surface Seismic Velocity Models from First-Arrival Traveltimes. Journal of Environmental and Engineering Geophysics, 2013, 18, 183-194.	0.5	25
27	Deformable layer tomostatics with 3D gradient velocity models. , 2012, , .		0
28	Wave-equation global datuming based on the double square root operator. Geophysics, 2011, 76, U35-U43.	2.6	11
29	Traveltime inversion and error analysis for layered anisotropy. Journal of Applied Geophysics, 2011, 73, 101-110.	2.1	7
30	Tomographic velocity model building of the near surface with velocity-inversion interfaces: A test using the Yilmaz model. Geophysics, 2010, 75, U39-U47.	2.6	10
31	A comparative analysis of deformable layer tomography and cell tomography along the LARSE lines in southern California. Geophysical Journal International, 2010, 180, 1200-1222.	2.4	11
32	Constrained deformable layer tomostatics. Geophysics, 2009, 74, WCB35-WCB46.	2.6	14
33	Deformable layer tomostatics: 2D examples in western China. The Leading Edge, 2009, 28, 206-210.	0.7	6
34	Crustal-scale prestack depth imaging of the 1994 and 1999 LARSE surveys. Geophysical Prospecting, 2008, 56, 577-585.	1.9	6
35	Multiscale migration tomography to constrain depth-imaging artifacts. Geophysics, 2008, 73, VE217-VE222.	2.6	3
36	Multiscale deformable-layer tomography. Geophysics, 2006, 71, R11-R19.	2.6	47

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37	First-break vertical seismic profiling tomography for Vinton Salt Dome. Geophysics, 2006, 71, U29-U36.	2.6	14
38	Tomographic evidence for wholesale underthrusting of India beneath the entire Tibetan plateau. Journal of Asian Earth Sciences, 2005, 25, 445-457.	2.3	142
39	Multi-scale Tomography for Crustal P and S Velocities in Southern California. Pure and Applied Geophysics, 2004, 161, 283-302.	1.9	14
40	Direct inversion of velocity interfaces. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	11
41	Miocene rifting in the Los Angeles basin: Evidence from the Puente Hills half-graben, volcanic rocks, and P-wave tomography. Geology, 2002, 30, 451.	4.4	10
42	New Perspectives on Mantle Dynamics from High-resolution Seismic Tomographic Model P1200. , 1998, , 503-525.		3
43	Slope of the geoid spectrum and constraints on mantle viscosity stratification. Geophysical Research Letters, 1996, 23, 3063-3066.	4.0	23
44	A high-resolutionPwave model for the top 1200 km of the mantle. Journal of Geophysical Research, 1996, 101, 27791-27810.	3.3	108
45	Waveform response to the morphology of 2-D subducted slabs. Geophysical Journal International, 1995, 121, 511-522.	2.4	4
46	Determination of reflector angular position using directional phase-encoded wavefield. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 15-25.	6.3	2
47	Artificial generation of a directional phase-encoded wavefield. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 262-267.	6.3	1
48	A revisit toPwave travel time statics at teleseismic stations. Journal of Geophysical Research, 1994, 99, 17849-17862.	3.3	10
49	Rapid three-dimensional hypocentral determination using a master station method. Journal of Geophysical Research, 1994, 99, 15439.	3.3	94
50	Observations on earthquake stress axes and seismic morphology of deep slabs. Geophysical Journal International, 1990, 103, 377-401.	2.4	39
51	Mapping of P-wave slab anomalies beneath the Tonga, Kermadec and New Hebrides arcs. Physics of the Earth and Planetary Interiors, 1990, 61, 199-229.	1.9	42
52	Modeling of residual spheres for subduction zone earthquakes: 1. Apparent slab penetration signatures in the NW Pacific caused by deep diffuse mantle anomalies. Journal of Geophysical Research, 1990, 95, 6799-6827.	3.3	53
53	P and S wave travel time inversions for subducting slab under the island arcs of the northwest Pacific. Journal of Geophysical Research, 1990, 95, 6829-6851.	3.3	135
54	How well can we resolve the deep seismic slab with seismic tomography?. Geophysical Research Letters, 1988, 15, 1425-1428.	4.0	47