

Huazhong Wang

List of Publications by Year in descending order

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63
papers

241
citations

1162367

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docs citations

63
times ranked

170
citing authors

#	ARTICLE	IF	CITATIONS
1	Angle gathers from reverse time migration using analytic wavefield propagation and decomposition in the time domain. <i>Geophysics</i> , 2016, 81, S1-S9.	1.4	28
2	Wave equation least square imaging using the local angular Hessian for amplitude correction. <i>Geophysical Prospecting</i> , 2011, 59, 651-661.	1.0	24
3	Seismic absolute acoustic impedance inversion with L1 norm reflectivity constraint and combined first- and second-order total variation regularizations. <i>Journal of Geophysics and Engineering</i> , 2019, 16, 773-788.	0.7	16
4	3D Kirchhoff prestack time migration in average illumination-azimuth and incident-angle domain for isotropic and vertical transversely isotropic media. <i>Geophysics</i> , 2011, 76, S15-S27.	1.4	15
5	Efficient amplitude encoding least-squares reverse time migration using cosine basis. <i>Geophysical Prospecting</i> , 2016, 64, 1483-1497.	1.0	13
6	Efficient wave-mode separation in vertical transversely isotropic media. <i>Geophysics</i> , 2017, 82, C35-C47.	1.4	12
7	Ray-illumination compensation for adjoint-state first-arrival traveltome tomography. <i>Geophysics</i> , 2021, 86, U109-U119.	1.4	10
8	A generalized Rytov approximation for accurate calculation of phase variation in strong perturbation media. <i>Geophysical Journal International</i> , 2019, 219, 968-974.	1.0	9
9	2-D elastic wave modeling with frequency-space 25-point finite-difference operators. <i>Applied Geophysics</i> , 2009, 6, 259-266.	0.1	8
10	Application of Frequency-Dependent Traveltime Tomography to 2D Crosswell Seismic Field Data. <i>Journal of Environmental and Engineering Geophysics</i> , 2017, 22, 421-426.	1.0	7
11	A True-Amplitude Imaging Method Based on Gaussian Beam Migration and Demigration. <i>Pure and Applied Geophysics</i> , 2020, 177, 4707-4718.	0.8	7
12	Azimuthal opening angle domain imaging in 3D Gaussian beam depth migration. <i>Journal of Geophysics and Engineering</i> , 2013, 10, 025013.	0.7	6
13	Automatic first-arrival picking method via intelligent Markov optimal decision processes. <i>Journal of Geophysics and Engineering</i> , 2021, 18, 406-417.	0.7	6
14	Data-domain wave equation reflection traveltome tomography. <i>Journal of Earth Science (Wuhan)</i> , 2021, 42, 1115-1125.	1.1	5
15	Efficient angle-domain common-image gathers using Cauchy-condition-based polarization vectors. <i>Geophysics</i> , 2016, 81, S69-S77.	1.4	5
16	Application of 3-D FKK Filtering in 3-D High-density Onshore Seismic Field Data. <i>Journal of Environmental and Engineering Geophysics</i> , 2018, 23, 369-376.	1.0	5
17	3-D Butterworth Filtering for 3-D High-density Onshore Seismic Field Data. <i>Journal of Environmental and Engineering Geophysics</i> , 2018, 23, 223-233.	1.0	5
18	Noniterative least-squares reverse time migration based on an efficient asymptotic Hessian/point-spread function estimation. <i>Geophysics</i> , 2022, 87, S169-S184.	1.4	5

#	ARTICLE	IF	CITATIONS
19	3D traveltine computation for quasi-P-wave in orthorhombic media using dynamic programming. Geophysics, 2018, 83, C27-C35.	1.4	4
20	Angle-domain common imaging gather extraction via Kirchhoff prestack depth migration based on a traveltine table in transversely isotropic media. Journal of Geophysics and Engineering, 2018, 15, 568-575.	0.7	4
21	Automatic traveltine inversion via sparse decomposition of seismic data. Geophysics, 2018, 83, R659-R668.	1.4	4
22	Three-dimensional angle-domain double-square-root migration in VTI media for the large-scale wide-azimuth seismic data. Acta Geophysica, 2020, 68, 1021-1037.	1.0	4
23	Rytov-approximation-based wave-equation traveltine tomography. Geophysics, 2020, 85, R289-R297.	1.4	4
24	Double-square-root one-way wave equation prestack tau migration in heterogeneous media. Geophysical Prospecting, 2007, 56, 071117033702002-???.	1.0	3
25	Amplitude-preserving plane-wave prestack time migration for AVO analysis. Applied Geophysics, 2008, 5, 212-218.	0.1	3
26	A strategy for source wavefield reconstruction in reverse time migration. , 2011, , .		3
27	3D P-wave traveltine computation in transversely isotropic media using layer-by-layer wavefront marching. Geophysical Prospecting, 2018, 66, 1303-1314.	1.0	3
28	One-way wave propagation in the ray-centred coordinate system for vertical transversely isotropic media. Acta Geophysica, 2021, 69, 1225-1239.	1.0	3
29	3D traveltine computation from rugged topography in VTI/TTI media. , 2011, , .		3
30	Target-oriented curved-wave prestack depth migration by controlled illumination. Geophysics, 2009, 74, S95-S104.	1.4	2
31	Viscoelastic Fluid Factor Inversion and Application in Luojia Oilfield Based on Broadband Impedance. Geofluids, 2021, 2021, 1-8.	0.3	2
32	DSR equation prestack tau migration in heterogeneous media. , 2006, , .		2
33	Least square migration with Hessian in the local angle domain. , 2009, , .		2
34	2D frequency-space domain finite-difference elastic-wave modeling using compressed storage format. , 2009, , .		2
35	A self-adaptive algorithm for choosing reference velocities in the presence of lateral velocity variations. Applied Geophysics, 2006, 3, 226-233.	0.1	1
36	High-Resolution Linear Radon Transformation With L0-norm Constraint. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	A novel approach of seismic instantaneous frequency extraction and its application on field data. , 2015, , .		1
38	3D offset plane-wave finite-difference prestack time migration. , 2009, , .		1
39	Frequency grouping coding scheme for blended source imaging. , 2011, , .		1
40	Improving the quality of common-image gathers using DTW and local similarity. , 2019, , .		1
41	Vandermonde constrained CANDECOMP/ PARAFAC tensor decomposition for high-dimensional seismic data reconstruction. Geophysics, 0, , 1-79.	1.4	1
42	Methods and applications of 3-D wave equation common-azimuth prestack migration. Frontiers of Earth Science, 2007, 1, 366-372.	0.5	0
43	The mathematical and geophysical meaning of least-squares migration and its implementation in FK domain. , 2009, , .		0
44	Target-oriented wavelet design for vibrator blended acquisition. , 2011, , .		0
45	Sparse local time-frequency (SLTF) decompositions and its application. , 2011, , .		0
46	Fast wave mode separation for weakly VTI media. , 2015, , .		0
47	Prestack frequency-dependent viscoelastic fluid factor inversion and application in Shengli Oilfield. , 2018, , .		0
48	An Effective Acoustic Impedance Imaging Based on a Broadband Gaussian Beam Migration. Energies, 2021, 14, 4105.	1.6	0
49	Beam propagation of the 15-degree equation and prestack depth migration in tilted transversely isotropic media using a ray-centred coordinate system. Geophysical Prospecting, 2021, 69, 1625.	1.0	0
50	Data fusion by radial basis function approximation with application in varying velocity mapping. , 2021, , .		0
51	Selective simulation of two-way wavefield in VTI media. , 2021, , .		0
52	Reducing the acquisition footprint using coordinate transformation. , 2009, , .		0
53	Kirchhoff integral PSTM from rugged topography. , 2009, , .		0
54	Least-squares seismic data regularization with t -domain prestack time migration. , 2009, , .		0

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55	Viscoacoustic offset plane-wave finite-difference prestack time migration. , 2010, , .		0
56	Enhanced Model-based Water-layer Related Demultiple. , 2014, , .		0
57	Separate Multiple and Primary with Sparse Constraints in Local Tau-p domain. , 2014, , .		0
58	High-accuracy Wave Equation ADCIG using High resolution Radon spectrum. , 2014, , .		0
59	Automatic first-breaks picking algorithm under the constraint of image segmentation. , 2018, , .		0
60	LSRTM in visco-acoustic medium on CPU/GPU heterogeneous platform and its application. , 2018, , .		0
61	Broadband Impedance Model Building with the broadband, wide-azimuth and high density seismic data. , 2019, , .		0
62	Structural interpretation and seismic processing in RGB-HSV color domain. , 2019, , .		0
63	High-dimensional center filtering method based on block matching. , 2019, , .		0