Huazhong Wang

List of Publications by Year
in descending order

63 papers	**241** citations	1162367 **8** h-index	1125271 **13** g-index
63 all docs	**63** docs citations	**63** times ranked	**170** citing authors

#	Article	IF	Citations
1	Noniterative least-squares reverse time migration based on an efficient asymptotic Hessian/point-spread function estimation. Geophysics, 2022, 87, S169-S184.	1.4	5
2	One-way wave propagation in the ray-centred coordinate system for vertical transversely isotropic media. Acta Geophysica, 2021, 69, 1225-1239.	1.0	3
3	Automatic first-arrival picking method via intelligent Markov optimal decision processes. Journal of Geophysics and Engineering, 2021, 18, 406-417.	0.7	6
4	Viscoelastic Fluid Factor Inversion and Application in Luojia Oilfield Based on Broadband Impedance. Geofluids, 2021, 2021, 1-8.	0.3	2
5	An Effective Acoustic Impedance Imaging Based on a Broadband Gaussian Beam Migration. Energies, 2021, 14, 4105.	1.6	0
6	Beam propagation of the 15â€degree equation and prestack depth migration in tilted transversely isotropic media using a rayâ€centred coordinate system. Geophysical Prospecting, 2021, 69, 1625.	1.0	0
7	Ray-illumination compensation for adjoint-state first-arrival traveltime tomography. Geophysics, 2021, 86, U109-U119.	1.4	10
8	Data fusion by radial basis function approximation with application in varying velocity mapping. , 2021, , .		0
9	Selective simulation of two-way wavefield in VTI media. , 2021, , .		0
10	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
11	A True-Amplitude Imaging Method Based on Gaussian Beam Migration and Demigration. Pure and Applied Geophysics, 2020, 177, 4707-4718.	0.8	7
12	Rytov-approximation-based wave-equation traveltime tomography. Geophysics, 2020, 85, R289-R297.	1.4	4
13	A generalized Rytov approximation for accurate calculation of phase variation in strong perturbation media. Geophysical Journal International, 2019, 219, 968-974.	1.0	9
14	Seismic absolute acoustic impedance inversion with L1 norm reflectivity constraint and combined first- and second-order total variation regularizations. Journal of Geophysics and Engineering, 2019, 16, 773-788.	0.7	16
15	Broadband Impedance Model Building with the broadband, wide-azimuth and high density seismic data. , 2019, , .		0
16	Improving the quality of common-image gathers using DTW and local similarity. , 2019, , .		1
17	Structural interpretation and seismic processing in RGB-HSV color domain. , 2019, , .		0
18	High-dimensional center filtering method based on block matching. , 2019, , .		0

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19	3D traveltime 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 traveltime table in transversely isotropic media. Journal of Geophysics and Engineering, 2018, 15, 568-575.	0.7	4
21	Prestack frequency-dependent viscoelastic fluid factor inversion and application in Shengli Oilfield. , 2018, , .		0
22	Application of 3-D FKK Filtering in 3-D High-density Onshore Seismic Field Data. Journal of Environmental and Engineering Geophysics, 2018, 23, 369-376.	1.0	5
23	Automatic traveltime inversion via sparse decomposition of seismic data. Geophysics, 2018, 83, R659-R668.	1.4	4
24	3D Pâ€wave traveltime computation in transversely isotropic media using layerâ€byâ€layer wavefront marching. Geophysical Prospecting, 2018, 66, 1303-1314.	1.0	3
25	3-D Butterworth Filtering for 3-D High-density Onshore Seismic Field Data. Journal of Environmental and Engineering Geophysics, 2018, 23, 223-233.	1.0	5
26	Automatic first-breaks picking algorithm under the constraint of image segmentation. , 2018, , .		0
27	LSRTM in visco-acoustic medium on CPUGPU heterogeneous platform and its application. , 2018, , .		0
28	Efficient wave-mode separation in vertical transversely isotropic media. Geophysics, 2017, 82, C35-C47.	1.4	12
29	Application of Frequency-Dependent Traveltime Tomography to 2D Crosswell Seismic Field Data. Journal of Environmental and Engineering Geophysics, 2017, 22, 421-426.	1.0	7
30	Efficient angle-domain common-image gathers using Cauchy-condition-based polarization vectors. Geophysics, 2016, 81, S69-S77.	1.4	5
31	Efficient amplitude encoding leastâ€squares reverse time migration using cosine basis. Geophysical Prospecting, 2016, 64, 1483-1497.	1.0	13
32	Angle gathers from reverse time migration using analytic wavefield propagation and decomposition in the time domain. Geophysics, 2016, 81, S1-S9.	1.4	28
33	Fast wave mode separation for weakly VTI media. , 2015, , .		0
34	A novel approach of seismic instantaneous frequency extraction and its application on field data. , 2015, , .		1
35	Data-domain wave equation reflection traveltime tomography. Journal of Earth Science (Wuhan,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	5
36	High-Resolution Linear Radon Transformation With L0-norm Constraint. , 2014, , .		1

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37	Enhanced Model-based Water-layer Related Demultiple. , 2014, , .		0
38	Separate Multiple and Primary with Sparse Constraints in Local Tau-p domain. , 2014, , .		0
39	High-accuracy Wave Equation ADCIG using High resolution Radon spectrum. , 2014, , .		0
40	Azimuth–opening angle domain imaging in 3D Gaussian beam depth migration. Journal of Geophysics and Engineering, 2013, 10, 025013.	0.7	6
41	3D Kirchhoff prestack time migration in average illumination-azimuth and incident-angle domain for isotropic and vertical transversely isotropic media. Geophysics, 2011, 76, S15-S27.	1.4	15
42	Target–oriented wavelet design for vibrator blended acquisition. , 2011, , .		0
43	Sparse local time–frequency (SLTF) decompositions and its application. , 2011, , .		0
44	Wave equation least square imaging using the local angular Hessian for amplitude correction. Geophysical Prospecting, 2011, 59, 651-661.	1.0	24
45	A strategy for source wavefield reconstruction in reverse time migration. , 2011, , .		3
46	3D traveltime computation from rugged topography in VTI/TTI media. , 2011, , .		3
47	Frequency grouping coding scheme for blended source imaging. , 2011, , .		1
48	Visco–acoustic offset plane–wave finite–difference prestack time migration. , 2010, , .		0
49	The mathematical and geophysical meaning of least–squares migration and its implementation in FK domain. , 2009, , .		0
50	2-D elastic wave modeling with frequency-space 25-point finite-difference operators. Applied Geophysics, 2009, 6, 259-266.	0.1	8
51	Target-oriented curved-wave prestack depth migration by controlled illumination. Geophysics, 2009, 74, S95-S104.	1.4	2
52	Least square migration with Hessian in the local angle domain. , 2009, , .		2
53	2–D frequency–space domain finite–difference elastic–wave modeling using compressed storage format. , 2009, , .		2
54	3D offset plane–wave finite–difference pre–stack time migration. , 2009, , .		1

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55	Reducing the acquisition footprint using coordinate transformation. , 2009, , .		0
56	Kirchhoff integral PSTM from rugged topography. , 2009, , .		0
57	Least‐squares seimic data regularization with t‐k domain prestack time migration. , 2009, , .		0
58	Amplitude-preserving plane-wave prestack time migration for AVO analysis. Applied Geophysics, 2008, 5, 212-218.	0.1	3
59	Double-square-root one-way wave equation prestack tau migration in heterogeneous media. Geophysical Prospecting, 2007, 56, 071117033702002-???.	1.0	3
60	Methods and applications of 3-D wave equation common-azimuth prestack migration. Frontiers of Earth Science, 2007, 1, 366-372.	0.5	0
61	A self-adaptive algorithm for choosing reference velocities in the presence of lateral velocity variations. Applied Geophysics, 2006, 3, 226-233.	0.1	1
62	DSR equation prestack tau migration in heterogeneous media. , 2006, , .		2
63	Vandermonde constrained CANDECOMP/ PARAFAC tensor decomposition for high-dimensional seismic data reconstruction. Geophysics, 0, , 1-79.	1.4	1