

Yanghua Wang

List of Publications by Year in descending order

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129
papers

4,000
citations

147566

31
h-index

143772

57
g-index

132
all docs

132
docs citations

132
times ranked

1853
citing authors

#	ARTICLE	IF	CITATIONS
1	A stable and efficient approach of inverse Q filtering. <i>Geophysics</i> , 2002, 67, 657-663.	1.4	313
2	Inverse Q -filter for seismic resolution enhancement. <i>Geophysics</i> , 2006, 71, V51-V60.	1.4	296
3	Seismic time-frequency spectral decomposition by matching pursuit. <i>Geophysics</i> , 2007, 72, V13-V20.	1.4	199
4	Crustal structure across Longmenshan fault belt from passive source seismic profiling. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	164
5	Frequencies of the Ricker wavelet. <i>Geophysics</i> , 2015, 80, A31-A37.	1.4	147
6	Crustal structure and contact relationship revealed from deep seismic sounding data in South China. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 165, 114-126.	0.7	130
7	Approximations to the Zoeppritz equations and their use in AVO analysis. <i>Geophysics</i> , 1999, 64, 1920-1927.	1.4	126
8	Qanalysis on reflection seismic data. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	101
9	Multichannel matching pursuit for seismic trace decomposition. <i>Geophysics</i> , 2010, 75, V61-V66.	1.4	94
10	Reflection seismic waveform tomography. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	92
11	Quantifying the effectiveness of stabilized inverseQfiltering. <i>Geophysics</i> , 2003, 68, 337-345.	1.4	90
12	Multiple subtraction using an expanded multichannel matching filter. <i>Geophysics</i> , 2003, 68, 346-354.	1.4	75
13	The Moho beneath western Tibet: Shear zones and eclogitization in the lower crust. <i>Earth and Planetary Science Letters</i> , 2014, 408, 370-377.	1.8	71
14	Seismic trace interpolation in the f-k domain. <i>Geophysics</i> , 2002, 67, 1232-1239.	1.4	70
15	Inverse- Q filtered migration. <i>Geophysics</i> , 2008, 73, S1-S6.	1.4	70
16	Modified Kolsky model for seismic attenuation and dispersion. <i>Journal of Geophysics and Engineering</i> , 2004, 1, 187-196.	0.7	64
17	Crosshole seismic waveform tomography - I. Strategy for real data application. <i>Geophysical Journal International</i> , 2006, 166, 1224-1236.	1.0	53
18	Multiple attenuation: coping with the spatial truncation effect in the Radon transform domain. <i>Geophysical Prospecting</i> , 2003, 51, 75-87.	1.0	50

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19	Stable Q analysis on vertical seismic profiling data. <i>Geophysics</i> , 2014, 79, D217-D225.	1.4	46
20	Generalized seismic wavelets. <i>Geophysical Journal International</i> , 2015, 203, 1172-1178.	1.0	46
21	Tomographic inversion of reflection seismic amplitude data for velocity variation. <i>Geophysical Journal International</i> , 1995, 123, 355-372.	1.0	45
22	Crustal and upper mantle velocity structure in Yunnan, Southwest China. <i>Tectonophysics</i> , 2009, 471, 171-185.	0.9	45
23	Reverse time migration of 3D vertical seismic profile data. <i>Geophysics</i> , 2016, 81, S31-S38.	1.4	43
24	The Ricker wavelet and the Lambert W function. <i>Geophysical Journal International</i> , 2015, 200, 111-115.	1.0	42
25	Reservoir characterization based on seismic spectral variations. <i>Geophysics</i> , 2012, 77, M89-M95.	1.4	41
26	Sensitivities of seismic traveltimes and amplitudes in reflection tomography. <i>Geophysical Journal International</i> , 1997, 131, 618-642.	1.0	40
27	Seismic migration with inverse Q filtering. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	36
28	Least-squares RTM with L1 norm regularisation. <i>Journal of Geophysics and Engineering</i> , 2016, 13, 666-673.	0.7	35
29	Inversion of Reflection Seismic Amplitude Data For Interface Geometry. <i>Geophysical Journal International</i> , 1994, 117, 92-110.	1.0	34
30	Seismic waveform simulation with pseudo-orthogonal grids for irregular topographic models. <i>Geophysical Journal International</i> , 2013, 194, 1778-1788.	1.0	33
31	Simultaneous inversion for model geometry and elastic parameters. <i>Geophysics</i> , 1999, 64, 182-190.	1.4	32
32	Sparseness-constrained least-squares inversion: Application to seismic wave reconstruction. <i>Geophysics</i> , 2003, 68, 1633-1638.	1.4	32
33	Mesozoic lithospheric deformation in the North China block: Numerical simulation of evolution from orogenic belt to extensional basin system. <i>Tectonophysics</i> , 2005, 405, 47-63.	0.9	30
34	Fracture effects in seismic attenuation images reconstructed by waveform tomography. <i>Geophysics</i> , 2009, 74, R25-R34.	1.4	30
35	2.5-D poroelastic wave modelling in double porosity media. <i>Geophysical Journal International</i> , 2011, 186, 1285-1294.	1.0	28
36	Seismic elastic RTM with vector-wavefield decomposition. <i>Journal of Geophysics and Engineering</i> , 2019, 16, 509-524.	0.7	28

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37	Crustal structure across the Dabie–Sulu orogenic belt revealed by seismic velocity profiles. <i>Journal of Geophysics and Engineering</i> , 2007, 4, 436-442.	0.7	27
38	Porosity prediction using the group method of data handling. <i>Geophysics</i> , 2011, 76, O15-O22.	1.4	26
39	Viabilities of seismic ray impedance and elastic impedance for hydrocarbon-sand discrimination. <i>Geophysics</i> , 2012, 77, M39-M52.	1.4	26
40	Seismic waveform tomography with shot-encoding using a restarted L-BFGS algorithm. <i>Scientific Reports</i> , 2017, 7, 8494.	1.6	26
41	The W transform. <i>Geophysics</i> , 2021, 86, V31-V39.	1.4	26
42	Multiple prediction through inversion: A fully data-driven concept for surface-related multiple attenuation. <i>Geophysics</i> , 2004, 69, 547-553.	1.4	25
43	Carbonate reservoir characterization with lithofacies clustering and porosity prediction. <i>Journal of Geophysics and Engineering</i> , 2011, 8, 592-598.	0.7	25
44	Generalized viscoelastic wave equation. <i>Geophysical Journal International</i> , 2016, 204, 1216-1221.	1.0	25
45	Seismic ray tracing in anisotropic media: A modified Newton algorithm for solving highly nonlinear systems. <i>Geophysics</i> , 2014, 79, T1-T7.	1.4	23
46	Seismic anisotropy estimated from P-wave arrival times in crosshole measurements. <i>Geophysical Journal International</i> , 2011, 184, 1311-1316.	1.0	22
47	Reflection and transmission coefficients of a thin bed. <i>Geophysics</i> , 2016, 81, N31-N39.	1.4	22
48	Seismic characterization of a carbonate reservoir in Tarim Basin. <i>Geophysics</i> , 2017, 82, B177-B188.	1.4	22
49	Pore-scale fluid distributions determined by nuclear magnetic resonance spectra of partially saturated sandstones. <i>Geophysics</i> , 2019, 84, MR107-MR114.	1.4	21
50	Crosshole seismic waveform tomography - II. Resolution analysis. <i>Geophysical Journal International</i> , 2006, 166, 1237-1248.	1.0	20
51	Seismic Resolution Enhancement by Frequency-Dependent Wavelet Scaling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 654-658.	1.4	20
52	Simultaneous inversion of multiples and primaries: Inversion versus subtraction. <i>The Leading Edge</i> , 2003, 22, 814-891.	0.4	18
53	Recovery of a target reflection underneath coal seams. <i>Journal of Geophysics and Engineering</i> , 2004, 1, 46-50.	0.7	18
54	Seismic resolution enhancement for tight-sand gas reservoir characterization. <i>Journal of Geophysics and Engineering</i> , 2009, 6, 21-28.	0.7	18

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55	Least-squares reverse-time migration with sparsity constraints. <i>Journal of Geophysics and Engineering</i> , 2021, 18, 304-316.	0.7	18
56	Robust vector median filtering with a structure-adaptive implementation. <i>Geophysics</i> , 2020, 85, V407-V414.	1.4	18
57	Point-source δ - ϵ transform: A review and comparison of computational methods. <i>Geophysics</i> , 1997, 62, 325-334.	1.4	17
58	Antialiasing conditions in the delay-time Radon transform. <i>Geophysical Prospecting</i> , 2002, 50, 665-672.	1.0	17
59	Crosshole seismic tomography: working solutions to issues in real data travel time inversion. <i>Journal of Geophysics and Engineering</i> , 2005, 2, 139-146.	0.7	17
60	Multichannel algorithms for seismic reflectivity inversion. <i>Journal of Geophysics and Engineering</i> , 2017, 14, 41-50.	0.7	17
61	A constant-Q model for general viscoelastic media. <i>Geophysical Journal International</i> , 2019, 219, 1562-1567.	1.0	17
62	Seismic simultaneous inversion using a multidamped subspace method. <i>Geophysics</i> , 2020, 85, R1-R10.	1.4	17
63	Seismic amplitude inversion for interface geometry: practical approach for application. <i>Geophysical Journal International</i> , 2000, 142, 162-172.	1.0	16
64	Elastic wave modelling by an integrated finite difference method. <i>Geophysical Journal International</i> , 2009, 177, 104-114.	1.0	16
65	Improving adaptive subtraction in seismic multiple attenuation. <i>Geophysics</i> , 2009, 74, V59-V67.	1.4	16
66	Seismic, Waveform Modeling and Tomography. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 1290-1301.	0.1	15
67	Frequency-dependent seismic reflection coefficient for discriminating gas reservoirs. <i>Journal of Geophysics and Engineering</i> , 2011, 8, 508-513.	0.7	15
68	Seismic response of fractures by numerical simulation. <i>Geophysical Journal International</i> , 2012, 189, 591-601.	1.0	15
69	Estimation of Q factors from reflection seismic data for a band-limited and stabilized inverse Q filter driven by an average-Q model. <i>Journal of Applied Geophysics</i> , 2014, 101, 86-94.	0.9	15
70	VSP wave separation by adaptive masking filters. <i>Journal of Geophysics and Engineering</i> , 2016, 13, 412-421.	0.7	15
71	ADI plus interpolation: accurate finite-difference solution to 3D paraxial wave equation. <i>Geophysical Prospecting</i> , 2001, 49, 547-556.	1.0	14
72	Robust time-domain full waveform inversion with normalized zero-lag cross-correlation objective function. <i>Geophysical Journal International</i> , 0, , ggw485.	1.0	14

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73	Reflection seismic waveform tomography of physical modelling data. Journal of Geophysics and Engineering, 2016, 13, 146-151.	0.7	14
74	Seismic Waveform Tomography With Simplified Restarting Scheme. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 135-139.	1.4	14
75	Multichannel maximum-entropy method for the Wigner-Ville distribution. Geophysics, 2020, 85, V25-V31.	1.4	14
76	Multiple prediction through inversion: Theoretical advancements and real data application. Geophysics, 2007, 72, V33-V39.	1.4	13
77	High-resolution seismic processing by Gabor deconvolution. Journal of Geophysics and Engineering, 2013, 10, .	0.7	13
78	Crosshole seismic tomography including the anisotropy effect. Journal of Geophysics and Engineering, 2011, 8, 316-321.	0.7	12
79	Seismic waveform simulation for models with fluctuating interfaces. Scientific Reports, 2018, 8, 3098.	1.6	12
80	Geodynamic modelling of crustal deformation of the North China block: a preliminary study. Journal of Geophysics and Engineering, 2004, 1, 63-69.	0.7	11
81	The P-wave velocity structure of the crust-mantle transition zone in the continent of China. Journal of Geophysics and Engineering, 2005, 2, 268-276.	0.7	11
82	Vertical crustal motions across Eastern Tibet revealed by topography-dependent seismic tomography. Scientific Reports, 2017, 7, 3243.	1.6	11
83	Petrologic composition model of the upper crust in Bohai Bay basin, China, based on Lamé impedances. Applied Geophysics, 2009, 6, 327-336.	0.1	10
84	Seismic signatures of carbonate caves affected by near-surface absorptions. Journal of Geophysics and Engineering, 2015, 12, 1015-1023.	0.7	9
85	Crosshole seismic tomography with cross-firing geometry. Geophysics, 2016, 81, R139-R146.	1.4	9
86	Simultaneous inversion for velocity and attenuation by waveform tomography. Journal of Applied Geophysics, 2016, 131, 103-108.	0.9	9
87	High-frequency wavefield extrapolation using the Fourier neural operator. Journal of Geophysics and Engineering, 2022, 19, 269-282.	0.7	9
88	Seismic attenuation in fractured media. Journal of Geophysics and Engineering, 2015, 12, 26-32.	0.7	8
89	Lithospheric delamination and upwelling asthenosphere in the Longmenshan area: insight from teleseismic P-wave tomography. Scientific Reports, 2019, 9, 6967.	1.6	8
90	Dispersion and Stability Condition of Seismic Wave Simulation in TTI Media. Pure and Applied Geophysics, 2019, 176, 1549-1559.	0.8	8

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91	Prediction of hydrocarbon reservoirs within coal-bearing formations. Journal of Geophysics and Engineering, 2020, 17, 484-492.	0.7	8
92	Decomposition of Structural Amplitude Effect and AVO Attributes: Application to a Gas-water Contact. Pure and Applied Geophysics, 2002, 159, 1305-1320.	0.8	7
93	Mixed-phase wavelet estimation by iterative linear inversion of high-order statistics. Journal of Geophysics and Engineering, 2007, 4, 184-193.	0.7	7
94	Simultaneous computation of seismic slowness paths and the travelttime field in anisotropic media. Geophysical Journal International, 2013, 195, 1141-1148.	1.0	7
95	Stabilised inverse-Q filtering for seismic characterisation of carbonate reservoirs. Journal of Geophysics and Engineering, 2019, 16, 190-197.	0.7	7
96	Pore-pressure diffusion during water injection in fractured media. Geophysics, 2020, 85, MR51-MR56.	1.4	7
97	Building a full-waveform inversion starting model from wells with dynamic time warping and convolutional neural networks. Geophysics, 2022, 87, R223-R230.	1.4	7
98	Velocity analysis after migration. Geophysical Prospecting, 2002, 50, 539-545.	1.0	6
99	Seismic resolution enhancement in shale-oil reservoirs. Geophysics, 2018, 83, B281-B287.	1.4	6
100	Mask filtering to the Wigner-Ville distribution. Geophysics, 2021, 86, V489-V496.	1.4	6
101	Geophysical constraints on mesozoic disruption of North China Craton by underplatingâ€ triggered lowerâ€ crust flow of the Archaean lithosphere. Terra Nova, 2013, 25, 245-251.	0.9	6
102	Seismic wave equation formulated by generalized viscoelasticity in fluid-saturated porous media. Geophysics, 0, , 1-37.	1.4	6
103	Seismic wave simulation by velocityâ€ stress wave equations in two-phase anisotropic media. Journal of Geophysics and Engineering, 2014, 11, 015008.	0.7	5
104	Comparing different approaches of time-lapse seismic inversion. Journal of Geophysics and Engineering, 2020, 17, 929-939.	0.7	5
105	Spatial Filter for the Pseudo-spectral Implementation of Fractional Derivative Wave Equation. Pure and Applied Geophysics, 2022, 179, 2831-2840.	0.8	5
106	Gabor deconvolution using regularized smoothing. , 2012, , .		4
107	Seismic, Waveform Modeling and Tomography. Encyclopedia of Earth Sciences Series, 2020, , 1-15.	0.1	4
108	Relative amplitude preserved Pâ€ P and Pâ€ SV wave seismic sections. Journal of Geophysics and Engineering, 2004, 1, 259-262.	0.7	3

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109	Wavelet-preserved PP- and PS-wave registration. Journal of Geophysics and Engineering, 2010, 7, 395-403.	0.7	3
110	Waveform Tomography of Two-Dimensional Three-Component Seismic Data for HTI Anisotropic Media. Pure and Applied Geophysics, 2018, 175, 4321-4342.	0.8	3
111	Seismic shot-encoding schemes for waveform inversion. Journal of Geophysics and Engineering, 2020, 17, 906-913.	0.7	3
112	Predicting the thickness of sand strata in a sand-shale interbed reservoir based on seismic facies analysis. Journal of Geophysics and Engineering, 0, , .	0.7	3
113	Suppressing migration noise in reverse time migration of vertical seismic profiles by multiple stacking estimation. Geophysics, 2022, 87, S223-S235.	1.4	3
114	Crustal P-wave velocity distributions and metalotectonics around the North China Craton. Geological Society Special Publication, 2007, 280, 293-302.	0.8	1
115	Mixed-phase wavelet estimation using unwrapped phase of bispectrum. , 2009, , .		1
116	Viabilities of PP-wave ray and elastic impedance for hydrocarbon-sand discrimination. , 2011, , .		1
117	Estimation of PP-wave ray impedance from elastic impedance. , 2011, , .		1
118	Radiation pattern analyses for seismic multi-parameter inversion of HTI anisotropic media. Journal of Geophysics and Engineering, 0, , .	0.7	1
119	Seismic, Waveform Modeling and Tomography. Encyclopedia of Earth Sciences Series, 2021, , 1608-1621.	0.1	1
120	Amplitude-preserving calibration of PP and PS wave reflection events. , 2009, , .		1
121	Full-waveform inversion with fractality information of the subsurface. , 2019, , .		1
122	Generating surface-offset common-image gathers with backward wavefield synthesis. Geophysics, 2022, 87, S129-S135.	1.4	1
123	Seismic reflectivity inversion using an L1-norm basis-pursuit method and GPU parallelisation. Journal of Geophysics and Engineering, 0, , .	0.7	0
124	Semi-exact local absorbing boundary condition for seismic wave simulation. Journal of Geophysics and Engineering, 2021, 18, 62-73.	0.7	0
125	The behavior of elastic moduli with fluid content in the VTI media. Journal of Petroleum Science and Engineering, 2022, 208, 109308.	2.1	0
126	Seismic multiple prediction through inversion for real data application. , 2006, , .		0

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127	Reflection seismic waveform tomography: Strategies for real data application. , 2009, , .		0
128	An efficient source wavefield reconstruction scheme using single boundary layer values for the spectral element method. Earth and Planetary Physics, 2019, 3, 342-357.	0.4	0
129	Q-compensation technology robustly driven by frequency : Shunbei Oilfield. , 2019, , .		0