

Yanghua Wang

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115
papers

2,802
citations

27
h-index

49
g-index

132
ext. papers

3,512
ext. citations

2.5
avg, IF

6.09
L-index

#	Paper	IF	Citations
115	A stable and efficient approach of inverse Q filtering. <i>Geophysics</i> , 2002 , 67, 657-663	3.1	213
114	Inverse Q -filter for seismic resolution enhancement. <i>Geophysics</i> , 2006 , 71, V51-V60	3.1	193
113	Crustal structure across Longmenshan fault belt from passive source seismic profiling. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	144
112	Seismic time-frequency spectral decomposition by matching pursuit. <i>Geophysics</i> , 2007 , 72, V13-V20	3.1	132
111	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	2.3	112
110	Frequencies of the Ricker wavelet. <i>Geophysics</i> , 2015 , 80, A31-A37	3.1	107
109	Approximations to the Zoeppritz equations and their use in AVO analysis. <i>Geophysics</i> , 1999 , 64, 1920-1927	3.1	78
108	Quantifying the effectiveness of stabilized inverseQfiltering. <i>Geophysics</i> , 2003 , 68, 337-345	3.1	75
107	Q analysis on reflection seismic data. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	73
106	Reflection seismic waveform tomography. <i>Journal of Geophysical Research</i> , 2009 , 114,		62
105	Multichannel matching pursuit for seismic trace decomposition. <i>Geophysics</i> , 2010 , 75, V61-V66	3.1	62
104	2016 ,		60
103	Seismic trace interpolation in the f-x-y domain. <i>Geophysics</i> , 2002 , 67, 1232-1239	3.1	55
102	Multiple subtraction using an expanded multichannel matching filter. <i>Geophysics</i> , 2003 , 68, 346-354	3.1	51
101	The Moho beneath western Tibet: Shear zones and eclogitization in the lower crust. <i>Earth and Planetary Science Letters</i> , 2014 , 408, 370-377	5.3	49
100	Inverse- Q filtered migration. <i>Geophysics</i> , 2008 , 73, S1-S6	3.1	48
99	Modified Kolsky model for seismic attenuation and dispersion. <i>Journal of Geophysics and Engineering</i> , 2004 , 1, 187-196	1.3	44

98	Crosshole seismic waveform tomography - I. Strategy for real data application. <i>Geophysical Journal International</i> , 2006 , 166, 1224-1236	2.6	40
97	Crustal and upper mantle velocity structure in Yunnan, Southwest China. <i>Tectonophysics</i> , 2009 , 471, 171-185	3.85	38
96	Multiple attenuation: coping with the spatial truncation effect in the Radon transform domain. <i>Geophysical Prospecting</i> , 2003 , 51, 75-87	1.9	36
95	Tomographic inversion of reflection seismic amplitude data for velocity variation. <i>Geophysical Journal International</i> , 1995 , 123, 355-372	2.6	36
94	Reservoir characterization based on seismic spectral variations. <i>Geophysics</i> , 2012 , 77, M89-M95	3.1	34
93	Stable Q analysis on vertical seismic profiling data. <i>Geophysics</i> , 2014 , 79, D217-D225	3.1	33
92	Sensitivities of seismic traveltimes and amplitudes in reflection tomography. <i>Geophysical Journal International</i> , 1997 , 131, 618-642	2.6	32
91	Generalized seismic wavelets. <i>Geophysical Journal International</i> , 2015 , 203, 1172-1178	2.6	30
90	Seismic migration with inverse Q filtering. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	29
89	Inversion of Reflection Seismic Amplitude Data For Interface Geometry. <i>Geophysical Journal International</i> , 1994 , 117, 92-110	2.6	28
88	The Ricker wavelet and the Lambert W function. <i>Geophysical Journal International</i> , 2015 , 200, 111-115	2.6	27
87	Reverse time migration of 3D vertical seismic profile data. <i>Geophysics</i> , 2016 , 81, S31-S38	3.1	27
86	Sparseness-constrained least-squares inversion: Application to seismic wave reconstruction. <i>Geophysics</i> , 2003 , 68, 1633-1638	3.1	27
85	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	3.1	25
84	Simultaneous inversion for model geometry and elastic parameters. <i>Geophysics</i> , 1999 , 64, 182-190	3.1	24
83	Seismic waveform simulation with pseudo-orthogonal grids for irregular topographic models. <i>Geophysical Journal International</i> , 2013 , 194, 1778-1788	2.6	23
82	Fracture effects in seismic attenuation images reconstructed by waveform tomography. <i>Geophysics</i> , 2009 , 74, R25-R34	3.1	22
81	Crustal structure across the Dabie-Bulu orogenic belt revealed by seismic velocity profiles. <i>Journal of Geophysics and Engineering</i> , 2007 , 4, 436-442	1.3	22

80	2.5-D poroelastic wave modelling in double porosity media. <i>Geophysical Journal International</i> , 2011 , 186, 1285-1294	2.6	21
79	Viabilities of seismic ray impedance and elastic impedance for hydrocarbon-sand discrimination. <i>Geophysics</i> , 2012 , 77, M39-M52	3.1	21
78	Pore-scale fluid distributions determined by nuclear magnetic resonance spectra of partially saturated sandstones. <i>Geophysics</i> , 2019 , 84, MR107-MR114	3.1	20
77	Least-squares RTM with L1 norm regularisation. <i>Journal of Geophysics and Engineering</i> , 2016 , 13, 666-673	1.3	20
76	Carbonate reservoir characterization with lithofacies clustering and porosity prediction. <i>Journal of Geophysics and Engineering</i> , 2011 , 8, 592-598	1.3	19
75	Seismic anisotropy estimated from P-wave arrival times in crosshole measurements. <i>Geophysical Journal International</i> , 2011 , 184, 1311-1316	2.6	19
74	Porosity prediction using the group method of data handling. <i>Geophysics</i> , 2011 , 76, O15-O22	3.1	19
73	Generalized viscoelastic wave equation. <i>Geophysical Journal International</i> , 2016 , 204, 1216-1221	2.6	17
72	Crosshole seismic waveform tomography - II. Resolution analysis. <i>Geophysical Journal International</i> , 2006 , 166, 1237-1248	2.6	16
71	Recovery of a target reflection underneath coal seams. <i>Journal of Geophysics and Engineering</i> , 2004 , 1, 46-50	1.3	16
70	Seismic waveform tomography with shot-encoding using a restarted L-BFGS algorithm. <i>Scientific Reports</i> , 2017 , 7, 8494	4.9	15
69	Seismic characterization of a carbonate reservoir in Tarim Basin. <i>Geophysics</i> , 2017 , 82, B177-B188	3.1	15
68	Seismic resolution enhancement for tight-sand gas reservoir characterization. <i>Journal of Geophysics and Engineering</i> , 2009 , 6, 21-28	1.3	15
67	Seismic ray tracing in anisotropic media: A modified Newton algorithm for solving highly nonlinear systems. <i>Geophysics</i> , 2014 , 79, T1-T7	3.1	14
66	Frequency-dependent seismic reflection coefficient for discriminating gas reservoirs. <i>Journal of Geophysics and Engineering</i> , 2011 , 8, 508-513	1.3	14
65	Point-source \mathbb{E}_p transform: A review and comparison of computational methods. <i>Geophysics</i> , 1997 , 62, 325-334	3.1	14
64	Simultaneous inversion of multiples and primaries: Inversion versus subtraction. <i>The Leading Edge</i> , 2003 , 22, 814-891	1	14
63	Multiple prediction through inversion: A fully data-driven concept for surface-related multiple attenuation. <i>Geophysics</i> , 2004 , 69, 547-553	3.1	14

62	The W transform. <i>Geophysics</i> , 2021 , 86, V31-V39	3.1	14
61	Reflection and transmission coefficients of a thin bed. <i>Geophysics</i> , 2016 , 81, N31-N39	3.1	13
60	Elastic wave modelling by an integrated finite difference method. <i>Geophysical Journal International</i> , 2009 , 177, 104-114	2.6	13
59	ADI plus interpolation: accurate finite-difference solution to 3D paraxial wave equation. <i>Geophysical Prospecting</i> , 2001 , 49, 547-556	1.9	13
58	Seismic amplitude inversion for interface geometry: practical approach for application. <i>Geophysical Journal International</i> , 2000 , 142, 162-172	2.6	13
57	Multichannel algorithms for seismic reflectivity inversion. <i>Journal of Geophysics and Engineering</i> , 2017 , 14, 41-50	1.3	12
56	Seismic elastic RTM with vector-wavefield decomposition. <i>Journal of Geophysics and Engineering</i> , 2019 , 16, 509-524	1.3	12
55	VSP wave separation by adaptive masking filters. <i>Journal of Geophysics and Engineering</i> , 2016 , 13, 412-421	3	12
54	Seismic response of fractures by numerical simulation. <i>Geophysical Journal International</i> , 2012 , 189, 591-601	3	12
53	Improving adaptive subtraction in seismic multiple attenuation. <i>Geophysics</i> , 2009 , 74, V59-V67	3.1	12
52	Seismic Resolution Enhancement by Frequency-Dependent Wavelet Scaling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 654-658	4.1	11
51	Antialiasing conditions in the delay-time Radon transform. <i>Geophysical Prospecting</i> , 2002 , 50, 665-672	1.9	11
50	The P-wave velocity structure of the crustmantle transition zone in the continent of China. <i>Journal of Geophysics and Engineering</i> , 2005 , 2, 268-276	1.3	11
49	Seismic simultaneous inversion using a multidamped subspace method. <i>Geophysics</i> , 2020 , 85, R1-R10	3.1	11
48	Geodynamic modelling of crustal deformation of the North China block: a preliminary study. <i>Journal of Geophysics and Engineering</i> , 2004 , 1, 63-69	1.3	10
47	Seismic Waveform Tomography With Simplified Restarting Scheme. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 135-139	4.1	10
46	A constant-Q model for general viscoelastic media. <i>Geophysical Journal International</i> , 2019 , 219, 1562-1567	3.1	9
45	Reflection seismic waveform tomography of physical modelling data. <i>Journal of Geophysics and Engineering</i> , 2016 , 13, 146-151	1.3	9

44	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	1.7	9
43	Crosshole seismic tomography: working solutions to issues in real data travel time inversion. <i>Journal of Geophysics and Engineering</i> , 2005 , 2, 139-146	1.3	9
42	Seismic attenuation in fractured media. <i>Journal of Geophysics and Engineering</i> , 2015 , 12, 26-32	1.3	8
41	High-resolution seismic processing by Gabor deconvolution. <i>Journal of Geophysics and Engineering</i> , 2013 , 10,	1.3	8
40	Petrologic composition model of the upper crust in Bohai Bay basin, China, based on Lamé impedances. <i>Applied Geophysics</i> , 2009 , 6, 327-336	0.5	8
39	Crosshole seismic tomography including the anisotropy effect. <i>Journal of Geophysics and Engineering</i> , 2011 , 8, 316-321	1.3	8
38	Multichannel maximum-entropy method for the Wigner-Ville distribution. <i>Geophysics</i> , 2020 , 85, V25-V31	3.1	8
37	Vertical crustal motions across Eastern Tibet revealed by topography-dependent seismic tomography. <i>Scientific Reports</i> , 2017 , 7, 3243	4.9	7
36	Seismic signatures of carbonate caves affected by near-surface absorptions. <i>Journal of Geophysics and Engineering</i> , 2015 , 12, 1015-1023	1.3	7
35	Multiple prediction through inversion: Theoretical advancements and real data application. <i>Geophysics</i> , 2007 , 72, V33-V39	3.1	7
34	Robust vector median filtering with a structure-adaptive implementation. <i>Geophysics</i> , 2020 , 85, V407-V414	4.4	7
33	Simultaneous inversion for velocity and attenuation by waveform tomography. <i>Journal of Applied Geophysics</i> , 2016 , 131, 103-108	1.7	6
32	Simultaneous computation of seismic slowness paths and the travelttime field in anisotropic media. <i>Geophysical Journal International</i> , 2013 , 195, 1141-1148	2.6	6
31	Geophysical constraints on mesozoic disruption of North China Craton by underplating-triggered lower-crust flow of the Archaean lithosphere. <i>Terra Nova</i> , 2013 , 25, 245-251	3	6
30	Least-squares reverse-time migration with sparsity constraints. <i>Journal of Geophysics and Engineering</i> , 2021 , 18, 304-316	1.3	6
29	Lithospheric delamination and upwelling asthenosphere in the Longmenshan area: insight from teleseismic P-wave tomography. <i>Scientific Reports</i> , 2019 , 9, 6967	4.9	5
28	Seismic waveform simulation for models with fluctuating interfaces. <i>Scientific Reports</i> , 2018 , 8, 3098	4.9	5
27	Seismic resolution enhancement in shale-oil reservoirs. <i>Geophysics</i> , 2018 , 83, B281-B287	3.1	5

26	Seismic wave simulation by velocity stress wave equations in two-phase anisotropic media. <i>Journal of Geophysics and Engineering</i> , 2014 , 11, 015008	1.3	5
25	Mixed-phase wavelet estimation by iterative linear inversion of high-order statistics. <i>Journal of Geophysics and Engineering</i> , 2007 , 4, 184-193	1.3	5
24	Decomposition of Structural Amplitude Effect and AVO Attributes: Application to a Gas-water Contact. <i>Pure and Applied Geophysics</i> , 2002 , 159, 1305-1320	2.2	5
23	Pore-pressure diffusion during water injection in fractured media. <i>Geophysics</i> , 2020 , 85, MR51-MR56	3.1	5
22	Crosshole seismic tomography with cross-firing geometry. <i>Geophysics</i> , 2016 , 81, R139-R146	3.1	5
21	Prediction of hydrocarbon reservoirs within coal-bearing formations. <i>Journal of Geophysics and Engineering</i> , 2020 , 17, 484-492	1.3	5
20	Robust time-domain full waveform inversion with normalized zero-lag cross-correlation objective function. <i>Geophysical Journal International</i> , 2016 , ggw485	2.6	4
19	Dispersion and Stability Condition of Seismic Wave Simulation in TTI Media. <i>Pure and Applied Geophysics</i> , 2019 , 176, 1549-1559	2.2	4
18	Wavelet-preserved PP- and PS-wave registration. <i>Journal of Geophysics and Engineering</i> , 2010 , 7, 395-403	1.3	3
17	Relative amplitude preserved PP and PSV wave seismic sections. <i>Journal of Geophysics and Engineering</i> , 2004 , 1, 259-262	1.3	3
16	Stabilised inverse-Q filtering for seismic characterisation of carbonate reservoirs. <i>Journal of Geophysics and Engineering</i> , 2019 , 16, 190-197	1.3	2
15	Waveform Tomography of Two-Dimensional Three-Component Seismic Data for HTI Anisotropic Media. <i>Pure and Applied Geophysics</i> , 2018 , 175, 4321-4342	2.2	2
14	Gabor deconvolution using regularized smoothing 2012 ,		2
13	Comparing different approaches of time-lapse seismic inversion. <i>Journal of Geophysics and Engineering</i> , 2020 , 17, 929-939	1.3	2
12	Mask filtering to the Wigner-Ville distribution. <i>Geophysics</i> , 2021 , 86, V489-V496	3.1	2
11	Predicting the thickness of sand strata in a sand-shale interbed reservoir based on seismic facies analysis. <i>Journal of Geophysics and Engineering</i> , 2020 ,	1.3	1
10	Velocity analysis after migration. <i>Geophysical Prospecting</i> , 2002 , 50, 539-545	1.9	1
9	Building a full-waveform inversion starting model from wells with dynamic time warping and convolutional neural networks. <i>Geophysics</i> , 2022 , 87, R223-R230	3.1	1

8	Seismic wave equation formulated by generalized viscoelasticity in fluid-saturated porous media. <i>Geophysics</i> ,1-37	3.1	1
7	Seismic shot-encoding schemes for waveform inversion. <i>Journal of Geophysics and Engineering</i> , 2020 , 17, 906-913	1.3	1
6	Suppressing Migration Noise in VSP Reverse Time Migration by Multiple Stacking Estimation. <i>Geophysics</i> ,1-96	3.1	1
5	High-frequency wavefield extrapolation using the Fourier neural operator. <i>Journal of Geophysics and Engineering</i> , 2022 , 19, 269-282	1.3	1
4	Crustal P-wave velocity distributions and metalotectonics around the North China Craton. <i>Geological Society Special Publication</i> , 2007 , 280, 293-302	1.7	0
3	Semi-exact local absorbing boundary condition for seismic wave simulation. <i>Journal of Geophysics and Engineering</i> , 2021 , 18, 62-73	1.3	
2	The behavior of elastic moduli with fluid content in the VTI media. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109308	4.4	
1	Generating surface-offset common-image gathers with backward wavefield synthesis. <i>Geophysics</i> , 2022 , 87, S129-S135	3.1	