Xiaokai Wang

List of Publications by Year
in descending order

36 papers	311 citations	1040056 9 h-index	940533 16 g-index
36 all docs	36 docs citations	36 times ranked	156 citing authors

#	Article	IF	Citations
1	An Unsupervised Deep Learning Method for Denoising Prestack Random Noise. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	22
2	Attenuation of the Multiple Reflection-Refraction in 2-D Common-Shot Gather via Random-Derangement-Based FX Cadzow Filter. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
3	Accelerating Seismic Dip Estimation With Deep Learning. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
4	MoG-Based Robust Sparse Representation for Seismic Erratic Noise Suppression. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
5	Seismic Thin Interbeds Analysis Based on High-Order Synchrosqueezing Transform. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	7
6	Eliminating harmonic noise in vibroseis data through sparsity-promoted waveform modeling. Geophysics, 2022, 87, V183-V191.	2.6	8
7	A common-reflection-point gather random noise attenuation method based on the synchrosqueezing wavelet transform. Interpretation, 2022, 10, SA59-SA67.	1.1	1
8	Subsurface Elastic Parameter Reconstruction Based on Seismic Data From the High-Speed Trains Using Full Waveform Inversion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-8.	6.3	4
9	Seismic Intelligent Deblending via Plug and Play Method With Blended CSGs Trained Deep CNN Gaussian Denoiser. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	3
10	Separation of seismic multiple reflection-refraction based on morphological component analysis with high-resolution linear Radon transform. Geophysics, 2022, 87, V367-V379.	2.6	2
11	Seismic Fault Interpretation Using 3-D Scattering Wavelet Transform CNN. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
12	Accelerating seismic scattered noise attenuation in offset-vector tile domain: Application of deep learning. Geophysics, 2022, 87, V505-V519.	2.6	10
13	The Second-Order Synchrosqueezing Continuous Wavelet Transform and Its Application in the High-Speed-Train Induced Seismic Signal. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1109-1113.	3.1	15
14	A dictionary learning method with atom splitting for seismic footprint suppression. Geophysics, 2021, 86, V509-V523.	2.6	8
15	Deep learning for prestack strong scattered noise suppression. , 2021, , .		2
16	Attenuation of diffractions from reinforcement mesh in GPR data using derangement-based FX Cadzow filter. , 2021, , .		2
17	Poststack Seismic Data Denoising Based on 3-D Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1598-1629.	6.3	89
18	Must we have labels for denoising seismic data based on deep learning?. , 2020, , .		5

#	Article	IF	Citations
19	Is the sparsity enough? Random noise suppression in prestack seismic data using sparsity and lowrankness simultaneously. , 2020, , .		0
20	Texture attribute analysis based on strong background interference suppression. Interpretation, 2020, 8, T475-T486.	1.1	0
21	Robust Seismic Volumetric Dip Estimation Combining Structure Tensor and Multiwindow Technology. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 395-405.	6.3	20
22	An Efficient Eigenstructure-Based Coherence Measure via Dimensionality Reduction. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1711-1715.	3.1	2
23	Distributed acoustic sensing coupling noise removal based on sparse optimization. Interpretation, 2019, 7, T373-T382.	1.1	22
24	An implementation of the seismic resolution enhancing network based on GAN. , 2019, , .		11
25	Effects of Attenuation on Seismic Reflections. , 2019, , .		0
26	An Iterative Zero-Offset VSP Wavefield Separating Method Based on the Error Analysis of SVD Filtering. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1164-1168.	3.1	12
27	Random noise attenuation method for seismic data based on deep residual networks. , 2018, , .		7
28	Attenuation and dispersion of predicted seismic waves in the simplified poroelastic theory. , 2018, , .		0
29	Seismic reconstruction via constrained dictionary learning. , 2018, , .		3
30	Sparsity-optimized separation of body waves and ground-roll by constructing dictionaries using tunable Q-factor wavelet transforms with different Q-factors. Geophysical Journal International, 2017, 211, 621-636.	2.4	11
31	A modified Cadzow filtering algorithm based on anti-picket fence effect. , 2017, , .		0
32	Sparsity-enabled ground-roll attenuation using two-dimensional continuous wavelet transform. , 2017, , .		0
33	The seismic random noise attenuation method based on enhanced bandelet transform. Journal of Applied Geophysics, 2015, 116, 146-155.	2.1	10
34	An efficient implementation of eigenstructure-based coherence algorithm using recursion strategies and the power method. Journal of Applied Geophysics, 2012, 82, 11-18.	2.1	17
35	On the method of detecting the discontinuity of seismic data via 3D wavelet transform. , 2010, , .		4
36	A Fast 3rd Generation Coherence Algorithm Realizing Method. , 2010, , .		3