

Hang Wang

List of Publications by Year in descending order

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149
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Deep Learning Seismic Random Noise Attenuation via Improved Residual Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7968-7981. | 6.3 | 47 |
| 2 | Fast Dictionary Learning for High-Dimensional Seismic Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7098-7108. | 6.3 | 32 |
| 3 | Self-training and learning the waveform features of microseismic data using an adaptive dictionary. Geophysics, 2020, 85, KS51-KS61. | 2.6 | 26 |
| 4 | Nonstationary predictive filtering for seismic random noise suppression – A tutorial. Geophysics, 2021, 86, W21-W30. | 2.6 | 25 |
| 5 | Robust damped rank-reduction method for simultaneous denoising and reconstruction of 5D seismic data. Geophysics, 2021, 86, V71-V89. | 2.6 | 23 |
| 6 | Separation and imaging of seismic diffractions using a localized rank-reduction method with adaptively selected ranks. Geophysics, 2020, 85, V497-V506. | 2.6 | 22 |
| 7 | Five-dimensional seismic data reconstruction using the optimally damped rank-reduction method. Geophysical Journal International, 2019, 218, 224-246. | 2.4 | 20 |
| 8 | A MATLAB code package for 2D/3D local slope estimation and structural filtering. Geophysics, 2022, 87, F1-F14. | 2.6 | 17 |
| 9 | Fast and Robust Low-Rank Approximation for Five-Dimensional Seismic Data Reconstruction. IEEE Access, 2020, 8, 175501-175512. | 4.2 | 13 |
| 10 | Five-dimensional seismic data reconstruction using the optimally damped rank-reduction method. Geophysical Journal International, 2020, 222, 1824-1845. | 2.4 | 12 |
| 11 | 5D dealiased seismic data interpolation using nonstationary prediction-error filter. Geophysics, 2021, 86, V419-V429. | 2.6 | 9 |
| 12 | Robust Nonstationary Local Slope Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6225-6233. | 6.3 | 7 |
| 13 | Adaptive frequency-domain nonlocal means for seismic random noise attenuation. Geophysics, 2021, 86, V143-V152. | 2.6 | 6 |
| 14 | Nonstationary local slope estimation via forward-backward space derivative calculation. Geophysics, 2022, 87, N1-N11. | 2.6 | 6 |
| 15 | Large Dip Calculation via Robust Nonstationary Plane-Wave Destruction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10. | 6.3 | 6 |
| 16 | Statistics-Guided Residual Dictionary Learning for Footprint Noise Removal. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11. | 6.3 | 5 |
| 17 | 3-D Seismic Diffraction Separation and Imaging Using the Local Rank-Reduction Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10. | 6.3 | 4 |
| 18 | Iterative Gaussian mixture model and multi-channel attributes for arrival picking in the extremely noisy environment. Geophysical Prospecting, 0, , . | 1.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Fast High-Resolution Hyperbolic Radon Transform. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10. | 6.3 | 2 |
| 20 | Frequency-Space-Dependent Smoothing Regularized Nonstationary Predictive Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9. | 6.3 | 2 |
| 21 | Sinusoidal Seismic Noise Suppression Using Randomized Principal Component Analysis. IEEE Access, 2020, 8, 152131-152145. | 4.2 | 1 |
| 22 | Simultaneous Reconstruction and Denoising of Extremely Sparse 5-D Seismic Data by a Simple and Effective Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 6.3 | 1 |