# Jianwei

## List of Publications by Year in descending order

| 33 papers | 1,543 citations | 471509 17 h-index | 395702 33 g-index |
|---|---|---|---|
| 33 all docs | 33 docs citations | 33 times ranked | 975 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Deep-learning inversion: A next-generation seismic velocity model building method. Geophysics, 2019, 84, R583-R599. | 2.6 | 315 |
| 2 | Deep learning for denoising. Geophysics, 2019, 84, V333-V350. | 2.6 | 222 |
| 3 | Deep Learning for Geophysics: Current and Future Trends. Reviews of Geophysics, 2021, 59, e2021RG000742. | 23.0 | 187 |
| 4 | What can machine learning do for seismic data processing? An interpolation application. Geophysics, 2017, 82, V163-V177. | 2.6 | 163 |
| 5 | Can learning from natural image denoising be used for seismic data interpolation?. Geophysics, 2020, 85, WA115-WA136. | 2.6 | 71 |
| 6 | Complex Variational Mode Decomposition for Slop-Preserving Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 586-597. | 6.3 | 64 |
| 7 | Intelligent interpolation by Monte Carlo machine learning. Geophysics, 2018, 83, V83-V97. | 2.6 | 49 |
| 8 | Split Bregman iterative algorithm for sparse reconstruction of electrical impedance tomography. Signal Processing, 2012, 92, 2952-2961. | 3.7 | 44 |
| 9 | Velocity model building in a crosswell acquisition geometry with image-trained artificial neural networks. Geophysics, 2020, 85, U31-U46. | 2.6 | 44 |
| 10 | Compressive Sensing of Roller Bearing Faults via Harmonic Detection from Under-Sampled Vibration Signals. Sensors, 2015, 15, 25648-25662. | 3.8 | 36 |
| 11 | Sparse graph-regularized dictionary learning for suppressing random seismic noise. Geophysics, 2018, 83, V215-V231. | 2.6 | 36 |
| 12 | Automatic velocity picking from semblances with a new deep-learning regression strategy: Comparison with a classification approach. Geophysics, 2021, 86, U1-U13. | 2.6 | 36 |
| 13 | Compressed sensing of complex-valued data. Signal Processing, 2012, 92, 357-362. | 3.7 | 33 |
| 14 | Adaptive Dictionary Learning for Blind Seismic Data Denoising. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1273-1277. | 3.1 | 30 |
| 15 | Structured Graph Dictionary Learning and Application on the Seismic Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1883-1893. | 6.3 | 20 |
| 16 | A nonstationary sparse spike deconvolution with anelastic attenuation. Geophysics, 2019, 84, R221-R234. | 2.6 | 20 |
| 17 | Deep-learning projector for optical diffraction tomography. Optics Express, 2020, 28, 3905. | 3.4 | 19 |
| 18 | Blind sparse-spike deconvolution with thin layers and structure. Geophysics, 2020, 85, V481-V496. | 2.6 | 15 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Removal of curtaining effects by a variational model with directional forward differences. Computer Vision and Image Understanding, 2017, 155, 24-32. | 4.7 | 14 |
| 20 | Noise attenuation in a low-dimensional manifold. Geophysics, 2017, 82, V321-V334. | 2.6 | 14 |
| 21 | Seismic data reconstruction via weighted nuclear-norm minimization. Inverse Problems in Science and Engineering, 2015, 23, 277-291. | 1.2 | 13 |
| 22 | Random noise attenuation using an improved anisotropic total variation regularization. Journal of Applied Geophysics, 2017, 144, 173-187. | 2.1 | 13 |
| 23 | Seismic Random Noise Attenuation via Self-Supervised Transfer Learning. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 13 |
| 24 | Denoising with weak signal preservation by group-sparsity transform learning. Geophysics, 2019, 84, V351-V368. | 2.6 | 12 |
| 25 | A Level-Set-Based Image Assimilation Method: Potential Applications for Predicting the Movement of Oil Spills. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6330-6343. | 6.3 | 11 |
| 26 | Topological data assimilation using Wasserstein distance. Inverse Problems, 2019, 35, 015006. | 2.0 | 11 |
| 27 | Off-the-grid vertical seismic profile data regularization by a compressive sensing method. Geophysics, 2020, 85, V157-V168. | 2.6 | 9 |
| 28 | Robust Estimation of Multiple Local Dips via Multidirectional Component Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2798-2810. | 6.3 | 8 |
| 29 | Line survey joint denoising via low-rank minimization. Geophysics, 2019, 84, V21-V32. | 2.6 | 8 |
| 30 | Ground roll attenuation based on an empirical curvelet transform. Applied Geophysics, 2018, 15, 111-117. | 0.6 | 6 |
| 31 | A compound method for random noise attenuation. Geophysical Prospecting, 2018, 66, 1548-1567. | 1.9 | 5 |
| 32 | Linearized dynamic warping with â„" 1 -norm constraint for multi-component registration. Journal of Applied Geophysics, 2017, 139, 170-176. | 2.1 | 1 |
| 33 | Assimilation of Images via Dictionary Learning-Based Sparsity Regularization Strategy: An Application for Retrieving Fluid Flows. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20. | 6.3 | 1 |