Omar Sad

List of Publications by Year in descending order

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ΟΜΑΡ SAD

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Self-Attention Fully Convolutional DenseNets for Automatic Salt Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3415-3428. | 11.3 | 5 |
| 2 | CapsPhase: Capsule Neural Network for Seismic Phase Classification and Picking. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11. | 6.3 | 20 |
| 3 | Self-Attention Deep Image Prior Network for Unsupervised 3-D Seismic Data Enhancement. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 34 |
| 4 | Statistics-Guided Residual Dictionary Learning for Footprint Noise Removal. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11. | 6.3 | 5 |
| 5 | Unsupervised 3-D Random Noise Attenuation Using Deep Skip Autoencoder. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 6.3 | 37 |
| 6 | Machine Learning for Fast and Reliable Source-Location Estimation in Earthquake Early Warning. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 13 |
| 7 | A MATLAB code package for 2D/3D local slope estimation and structural filtering. Geophysics, 2022, 87, F1-F14. | 2.6 | 17 |
| 8 | 3D Microseismic Monitoring Using Machine Learning. Journal of Geophysical Research: Solid Earth, 2022, 127, . | 3.4 | 16 |
| 9 | Realâ€Time Earthquake Detection and Magnitude Estimation Using Vision Transformer. Journal of Geophysical Research: Solid Earth, 2022, 127, . | 3.4 | 17 |
| 10 | Highâ€resolution and robust microseismic grouped imaging and grouping strategy analysis. Geophysical Prospecting, 2022, 70, 980-1002. | 1.9 | 2 |
| 11 | Deep Learning Approach for Earthquake Parameters Classification in Earthquake Early Warning System. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1293-1297. | 3.1 | 31 |
| 12 | The Multi-Optimized Parameter Technique for Near Online Automatic Determination of Geomagnetic Sudden Commencement Arrival Time. Arabian Journal for Science and Engineering, 2021, 46, 901-908. | 3.0 | 1 |
| 13 | Earthquake Detection and P-Wave Arrival Time Picking Using Capsule Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6234-6243. | 6.3 | 40 |
| 14 | A fully unsupervised and highly generalized deep learning approach for random noise suppression. Geophysical Prospecting, 2021, 69, 709-726. | 1.9 | 60 |
| 15 | SCALODEEP: A Highly Generalized Deep Learning Framework for Realâ€Time Earthquake Detection. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021473. | 3.4 | 39 |
| 16 | Seismic Data Compression Using Deep Learning. IEEE Access, 2021, 9, 58161-58169. | 4.2 | 9 |
| 17 | Geomagnetic micro-pulsation automatic detection via deep leaning approach guided with discrete wavelet transform. Journal of King Saud University - Science, 2021, 33, 101263. | 3.5 | 4 |
| 18 | Deep denoising autoencoder for seismic random noise attenuation. Geophysics, 2020, 85, V367-V376. | 2.6 | 182 |

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|----|--|-----|-----------|
| 19 | Automatic waveform-based source-location imaging using deep learning extracted microseismic signals. Geophysics, 2020, 85, KS171-KS183. | 2.6 | 35 |
| 20 | Automatic arrival time detection for earthquakes based on Modified Laplacian of Gaussian filter. Computers and Geosciences, 2018, 113, 43-53. | 4.2 | 21 |
| 21 | Automatic Arrival Time Detection for Earthquakes Based on Stacked Denoising Autoencoder. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1687-1691. | 3.1 | 23 |
| 22 | Automatic arrival time detection for earthquakes based on fuzzy possibilistic C-Means clustering algorithm. , 2017, , . | | 7 |
| 23 | Automatic arrival time detection for earthquakes based on logarithmic transformation. , 2017, , . | | 4 |
| 24 | Robust local slope estimation by deep learning. Geophysical Prospecting, 0, , . | 1.9 | 2 |