

Omar Sad

List of Publications by Year in descending order

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288
citing authors

#	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.	7.2	5
2	CapsPhase: Capsule Neural Network for Seismic Phase Classification and Picking. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	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.	2.7	34
4	Statistics-Guided Residual Dictionary Learning for Footprint Noise Removal. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	5
5	Unsupervised 3-D Random Noise Attenuation Using Deep Skip Autoencoder. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	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.	1.4	13
7	A MATLAB code package for 2D/3D local slope estimation and structural filtering. Geophysics, 2022, 87, F1-F14.	1.4	17
8	3D Microseismic Monitoring Using Machine Learning. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	16
9	Real-Time Earthquake Detection and Magnitude Estimation Using Vision Transformer. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	17
10	High-resolution and robust microseismic grouped imaging and grouping strategy analysis. Geophysical Prospecting, 2022, 70, 980-1002.	1.0	2
11	Deep Learning Approach for Earthquake Parameters Classification in Earthquake Early Warning System. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1293-1297.	1.4	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.	1.7	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.	2.7	40
14	A fully unsupervised and highly generalized deep learning approach for random noise suppression. Geophysical Prospecting, 2021, 69, 709-726.	1.0	60
15	SCALODEEP: A Highly Generalized Deep Learning Framework for Real-Time Earthquake Detection. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021473.	1.4	39
16	Seismic Data Compression Using Deep Learning. IEEE Access, 2021, 9, 58161-58169.	2.6	9
17	Geomagnetic micro-pulsation automatic detection via deep learning approach guided with discrete wavelet transform. Journal of King Saud University - Science, 2021, 33, 101263.	1.6	4
18	Deep denoising autoencoder for seismic random noise attenuation. Geophysics, 2020, 85, V367-V376.	1.4	182

#	ARTICLE	IF	CITATIONS
19	Automatic waveform-based source-location imaging using deep learning extracted microseismic signals. <i>Geophysics</i> , 2020, 85, KS171-KS183.	1.4	35
20	Automatic arrival time detection for earthquakes based on Modified Laplacian of Gaussian filter. <i>Computers and Geosciences</i> , 2018, 113, 43-53.	2.0	21
21	Automatic Arrival Time Detection for Earthquakes Based on Stacked Denoising Autoencoder. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1687-1691.	1.4	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. <i>Geophysical Prospecting</i> , 0, , .	1.0	2