

# Omar Sad

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

624  
citations

623574

14  
h-index

713332

21  
g-index

24  
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24  
docs citations

24  
times ranked

288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep denoising autoencoder for seismic random noise attenuation. <i>Geophysics</i> , 2020, 85, V367-V376.	1.4	182
2	A fully unsupervised and highly generalized deep learning approach for random noise suppression. <i>Geophysical Prospecting</i> , 2021, 69, 709-726.	1.0	60
3	Earthquake Detection and P-Wave Arrival Time Picking Using Capsule Neural Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 6234-6243.	2.7	40
4	SCALODEEP: A Highly Generalized Deep Learning Framework for Real-Time Earthquake Detection. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021473.	1.4	39
5	Unsupervised 3-D Random Noise Attenuation Using Deep Skip Autoencoder. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	2.7	37
6	Automatic waveform-based source-location imaging using deep learning extracted microseismic signals. <i>Geophysics</i> , 2020, 85, KS171-KS183.	1.4	35
7	Self-Attention Deep Image Prior Network for Unsupervised 3-D Seismic Data Enhancement. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	2.7	34
8	Deep Learning Approach for Earthquake Parameters Classification in Earthquake Early Warning System. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1293-1297.	1.4	31
9	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
10	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
11	CapsPhase: Capsule Neural Network for Seismic Phase Classification and Picking. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	2.7	20
12	A MATLAB code package for 2D/3D local slope estimation and structural filtering. <i>Geophysics</i> , 2022, 87, F1-F14.	1.4	17
13	Real-Time Earthquake Detection and Magnitude Estimation Using Vision Transformer. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	17
14	3D Microseismic Monitoring Using Machine Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	16
15	Machine Learning for Fast and Reliable Source-Location Estimation in Earthquake Early Warning. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	13
16	Seismic Data Compression Using Deep Learning. <i>IEEE Access</i> , 2021, 9, 58161-58169.	2.6	9
17	Automatic arrival time detection for earthquakes based on fuzzy possibilistic C-Means clustering algorithm. , 2017, , .		7
18	Statistics-Guided Residual Dictionary Learning for Footprint Noise Removal. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Self-Attention Fully Convolutional DenseNets for Automatic Salt Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3415-3428.	7.2	5
20	Automatic arrival time detection for earthquakes based on logarithmic transformation. , 2017, , .		4
21	Geomagnetic micro-pulsation automatic detection via deep leaning approach guided with discrete wavelet transform. Journal of King Saud University - Science, 2021, 33, 101263.	1.6	4
22	Robust local slope estimation by deep learning. Geophysical Prospecting, 0, , .	1.0	2
23	High-resolution and robust microseismic grouped imaging and grouping strategy analysis. Geophysical Prospecting, 2022, 70, 980-1002.	1.0	2
24	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