Cosimo Ieracitano

List of Publications by Year
in descending order

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36	1,356	516215 16	500791 28
papers	citations	h-index	g-index

38	38	38	1194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel multi-modal machine learning based approach for automatic classification of EEG recordings in dementia. Neural Networks, 2020, 123, 176-190.	3.3	185
2	A Convolutional Neural Network approach for classification of dementia stages based on 2D-spectral representation of EEG recordings. Neurocomputing, 2019, 323, 96-107.	3.5	175
3	A novel statistical analysis and autoencoder driven intelligent intrusion detection approach. Neurocomputing, 2020, 387, 51-62.	3.5	135
4	A deep CNN approach to decode motor preparation of upper limbs from timeâ€“frequency maps of EEG signals at source level. Neural Networks, 2020, 124, 357-372.	3.3	109
5	A fuzzy-enhanced deep learning approach for early detection of Covid-19 pneumonia from portable chest X-ray images. Neurocomputing, 2022, 481, 202-215.	3.5	79
6	Deep convolutional neural networks for classification of mild cognitive impaired and Alzheimer's disease patients from scalp EEG recordings. , 2016, , .		78
7	Brain Network Analysis of Compressive Sensed High-Density EEG Signals in AD and MCI Subjects. IEEE Transactions on Industrial Informatics, 2019, 15, 527-536.	7.2	68
8	Permutation Jaccard Distance-Based Hierarchical Clustering to Estimate EEG Network Density Modifications in MCI Subjects. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5122-5135.	7.2	58
9	A Survey on the Role of Wireless Sensor Networks and IoT in Disaster Management. Springer Natural Hazards, 2019, , 57-66.	0.1	44
10	A Hybrid-Domain Deep Learning-Based BCI For Discriminating Hand Motion Planning From EEG Sources. International Journal of Neural Systems, 2021, 31, 2150038.	3.2	44
11	A novelÂexplainable machine learning approachÂfor EEG-based brain-computer interface systems. Neural Computing and Applications, 2022, 34, 11347-11360.	3.2	43
12	Statistical Analysis Driven Optimized Deep Learning System for Intrusion Detection. Lecture Notes in Computer Science, 2018, , 759-769.	1.0	38
13	Towards Explainable andÂPrivacy-Preserving Artificial Intelligence forÂPersonalisation inÂAutism Spectrum Disorder. Lecture Notes in Computer Science, 2022, , 356-370.	1.0	30
14	A Highly-Efficient Fuzzy-Based Controller With High Reduction Inputs and Membership Functions for a Grid-Connected Photovoltaic System. IEEE Access, 2020, 8, 163225-163237.	2.6	29
15	Information Theoretic-Based Interpretation of a Deep Neural Network Approach in Diagnosing Psychogenic Non-Epileptic Seizures. Entropy, 2018, 20, 43.	1.1	27
16	Exploiting Deep Learning for Persian Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 597-604.	1.0	25
17	A Machine Learning Approach Involving Functional Connectivity Features to Classify Rest-EEG Psychogenic Non-Epileptic Seizures from Healthy Controls. Sensors, 2022, 22, 129.	2.1	23
18	An explainable Artificial Intelligence approach to study MCI to AD conversion via HD-EEG processing. Clinical EEG and Neuroscience, 2023, 54, 51-60.	0.9	19

#	Article	IF	Citations
19	A Time-Frequency based Machine Learning System for Brain States Classification via EEG Signal Processing. , 2019, , .		17
20	Permutation Entropy-Based Interpretability of Convolutional Neural Network Models for Interictal EEG Discrimination of Subjects with Epileptic Seizures vs. Psychogenic Non-Epileptic Seizures. Entropy, 2022, 24, 102.	1.1	16
21	A Permutation Disalignment Index-Based Complex Network Approach to Evaluate Longitudinal Changes in Brain-Electrical Connectivity. Entropy, 2017, 19, 548.	1.1	15
22	Compressibility of High-Density EEG Signals in Stroke Patients. Sensors, 2018, 18, 4107.	2.1	12
23	Deep Learning Approaches to Electrophysiological Multivariate Time-Series Analysis. , 2019, , 219-243.		11
24	Wavelet coherence-based clustering of EEG signals to estimate the brain connectivity in absence epileptic patients. , 2017, , .		10
25	Toward an Automatic Classification ofÂSEM Images of Nanomaterials via a Deep Learning Approach. Smart Innovation, Systems and Technologies, 2020, , 61-72.	0.5	10
26	An Ensemble Based Classification Approach for Persian Sentiment Analysis. Smart Innovation, Systems and Technologies, 2021, , 207-215.	0.5	9
27	A Convolutional Neural Network based self-learning approach for classifying neurodegenerative states from EEG signals in dementia. , 2020, , .		8
28	1D Convolutional Neural Network approach to classify voluntary eye blinks in EEG signals for BCI applications. , 2020, , .		7
29	SoCNNet: An Optimized Sobel Filter Based Convolutional Neural Network forÂSEM Images Classification ofÂNanomaterials. Smart Innovation, Systems and Technologies, 2021, , 103-113.	0.5	7
30	A Novel Approach to Shadow Boundary Detection Based on an Adaptive Direction-Tracking Filter for Brain-Machine Interface Applications. Applied Sciences (Switzerland), 2020, 10, 6761.	1.3	6
31	A Neural Network Approach for Predicting the Diameters of Electrospun Polyvinylacetate (PVAc) Nanofibers. Communications in Computer and Information Science, 2017, , 27-38.	0.4	5
32	Hierarchical clustering of the electroencephalogram spectral coherence to study the changes in brain connectivity in Alzheimer's disease. , 2016, , .		4
33	A Machine-learning and Compressive-sensing Inspired Approach to the Optimal Array Pattern Synthesis. , 2019, , .		3
34	MPnnet: a Motion Planning Decoding Convolutional Neural Network for EEG-based Brain Computer Interfaces. , 2021, , .		3
35	Toward an Augmented and Explainable Machine Learning Approach for Classification of Defective Nanomaterial Patches. Proceedings of the International Neural Networks Society, 2021, , 244-255.	0.6	2
36	Estimating the Asymmetry of Brain Network Organization in Stroke Patients from High-Density EEG Signals. Smart Innovation, Systems and Technologies, 2020, , 475-483.	0.5	1