

# Cosimo Ieracitano

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,356  
citations

516215

16  
h-index

500791

28  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1194  
citing authors

#	ARTICLE	IF	CITATIONS
1	An explainable Artificial Intelligence approach to study MCI to AD conversion via HD-EEG processing. <i>Clinical EEG and Neuroscience</i> , 2023, 54, 51-60.	0.9	19
2	A novel explainable machine learning approach for EEG-based brain-computer interface systems. <i>Neural Computing and Applications</i> , 2022, 34, 11347-11360.	3.2	43
3	Permutation Entropy-Based Interpretability of Convolutional Neural Network Models for Interictal EEG Discrimination of Subjects with Epileptic Seizures vs. Psychogenic Non-Epileptic Seizures. <i>Entropy</i> , 2022, 24, 102.	1.1	16
4	A fuzzy-enhanced deep learning approach for early detection of Covid-19 pneumonia from portable chest X-ray images. <i>Neurocomputing</i> , 2022, 481, 202-215.	3.5	79
5	A Machine Learning Approach Involving Functional Connectivity Features to Classify Rest-EEG Psychogenic Non-Epileptic Seizures from Healthy Controls. <i>Sensors</i> , 2022, 22, 129.	2.1	23
6	Towards Explainable and Privacy-Preserving Artificial Intelligence for Personalisation in Autism Spectrum Disorder. <i>Lecture Notes in Computer Science</i> , 2022, , 356-370.	1.0	30
7	MPnnet: a Motion Planning Decoding Convolutional Neural Network for EEG-based Brain Computer Interfaces. , 2021, , .		3
8	A Hybrid-Domain Deep Learning-Based BCI For Discriminating Hand Motion Planning From EEG Sources. <i>International Journal of Neural Systems</i> , 2021, 31, 2150038.	3.2	44
9	Toward an Augmented and Explainable Machine Learning Approach for Classification of Defective Nanomaterial Patches. <i>Proceedings of the International Neural Networks Society</i> , 2021, , 244-255.	0.6	2
10	SoCNNet: An Optimized Sobel Filter Based Convolutional Neural Network for SEM Images Classification of Nanomaterials. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 103-113.	0.5	7
11	An Ensemble Based Classification Approach for Persian Sentiment Analysis. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 207-215.	0.5	9
12	A novel statistical analysis and autoencoder driven intelligent intrusion detection approach. <i>Neurocomputing</i> , 2020, 387, 51-62.	3.5	135
13	A novel multi-modal machine learning based approach for automatic classification of EEG recordings in dementia. <i>Neural Networks</i> , 2020, 123, 176-190.	3.3	185
14	A deep CNN approach to decode motor preparation of upper limbs from time-frequency maps of EEG signals at source level. <i>Neural Networks</i> , 2020, 124, 357-372.	3.3	109
15	A Convolutional Neural Network based self-learning approach for classifying neurodegenerative states from EEG signals in dementia. , 2020, , .		8
16	A Novel Approach to Shadow Boundary Detection Based on an Adaptive Direction-Tracking Filter for Brain-Machine Interface Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6761.	1.3	6
17	1D Convolutional Neural Network approach to classify voluntary eye blinks in EEG signals for BCI applications. , 2020, , .		7
18	A Highly-Efficient Fuzzy-Based Controller With High Reduction Inputs and Membership Functions for a Grid-Connected Photovoltaic System. <i>IEEE Access</i> , 2020, 8, 163225-163237.	2.6	29

#	ARTICLE	IF	CITATIONS
19	Toward an Automatic Classification of ASEM Images of Nanomaterials via a Deep Learning Approach. Smart Innovation, Systems and Technologies, 2020, , 61-72.	0.5	10
20	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
21	A Survey on the Role of Wireless Sensor Networks and IoT in Disaster Management. Springer Natural Hazards, 2019, , 57-66.	0.1	44
22	A Time-Frequency based Machine Learning System for Brain States Classification via EEG Signal Processing. , 2019, , .		17
23	A Machine-learning and Compressive-sensing Inspired Approach to the Optimal Array Pattern Synthesis. , 2019, , .		3
24	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
25	Deep Learning Approaches to Electrophysiological Multivariate Time-Series Analysis. , 2019, , 219-243.		11
26	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
27	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
28	Compressibility of High-Density EEG Signals in Stroke Patients. Sensors, 2018, 18, 4107.	2.1	12
29	Statistical Analysis Driven Optimized Deep Learning System for Intrusion Detection. Lecture Notes in Computer Science, 2018, , 759-769.	1.0	38
30	Exploiting Deep Learning for Persian Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 597-604.	1.0	25
31	Information Theoretic-Based Interpretation of a Deep Neural Network Approach in Diagnosing Psychogenic Non-Epileptic Seizures. Entropy, 2018, 20, 43.	1.1	27
32	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
33	Wavelet coherence-based clustering of EEG signals to estimate the brain connectivity in absence epileptic patients. , 2017, , .		10
34	A Permutation Disalignment Index-Based Complex Network Approach to Evaluate Longitudinal Changes in Brain-Electrical Connectivity. Entropy, 2017, 19, 548.	1.1	15
35	Hierarchical clustering of the electroencephalogram spectral coherence to study the changes in brain connectivity in Alzheimer's disease. , 2016, , .		4
36	Deep convolutional neural networks for classification of mild cognitive impaired and Alzheimer's disease patients from scalp EEG recordings. , 2016, , .		78