

Sheikh Mostafa

List of Publications by Year in Descending Order

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Version: 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	441 citations	11 h-index	20 g-index
43 ext. papers	666 ext. citations	4 avg, IF	4.25 L-index

#	Paper	IF	Citations
39	XGB-RF: A Hybrid Machine Learning Approach for IoT Intrusion Detection. <i>Telecom</i> , 2022 , 3, 52-69	1.8	4
38	Heuristic Optimization of Deep and Shallow Classifiers: An Application for Electroencephalogram Cyclic Alternating Pattern Detection. <i>Entropy</i> , 2022 , 24, 688	2.8	
37	Design and Optimization of ECG Modeling for Generating Different Cardiac Dysrhythmias. <i>Sensors</i> , 2021 , 21,	3.8	1
36	A method based on cardiopulmonary coupling analysis for sleep quality assessment with FPGA implementation. <i>Artificial Intelligence in Medicine</i> , 2021 , 112, 102019	7.4	1
35	An Oximetry Based Wireless Device for Sleep Apnea Detection. <i>Sensors</i> , 2020 , 20,	3.8	13
34	Matrix of Lags: A tool for analysis of multiple dependent time series applied for CAP scoring. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 189, 105314	6.9	5
33	SC3: self-configuring classifier combination for obstructive sleep apnea. <i>Neural Computing and Applications</i> , 2020 , 32, 17825-17841	4.8	0
32	Greedy based convolutional neural network optimization for detecting apnea. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 197, 105640	6.9	5
31	Cyclic alternating pattern estimation based on a probabilistic model over an EEG signal. <i>Biomedical Signal Processing and Control</i> , 2020 , 62, 102063	4.9	5
30	Multi-Objective Hyperparameter Optimization of Convolutional Neural Network for Obstructive Sleep Apnea Detection. <i>IEEE Access</i> , 2020 , 8, 129586-129599	3.5	13
29	A Method for Sleep Quality Analysis Based on CNN Ensemble With Implementation in a Portable Wireless Device. <i>IEEE Access</i> , 2020 , 8, 158523-158537	3.5	2
28	On the use of patterns obtained from LSTM and feature-based methods for time series analysis: application in automatic classification of the CAP A phase subtypes. <i>Journal of Neural Engineering</i> , 2020 ,	5	7
27	Comparison of SFS and mRMR for oximetry feature selection in obstructive sleep apnea detection. <i>Neural Computing and Applications</i> , 2020 , 32, 15711-15731	4.8	6
26	Design of sEMG-based clench force estimator in FPGA using artificial neural networks. <i>Neural Computing and Applications</i> , 2020 , 32, 15813-15823	4.8	0
25	Sleep quality of subjects with and without sleep-disordered breathing based on the cyclic alternating pattern rate estimation from single-lead ECG. <i>Physiological Measurement</i> , 2019 , 40, 105009	2.9	3
24	A Review of Approaches for Sleep Quality Analysis. <i>IEEE Access</i> , 2019 , 7, 24527-24546	3.5	24
23	A Portable Wireless Device for Cyclic Alternating Pattern Estimation from an EEG Monopolar Derivation. <i>Entropy</i> , 2019 , 21, 1203	2.8	5

22	A Systematic Review of Detecting Sleep Apnea Using Deep Learning. <i>Sensors</i> , 2019 , 19,	3.8	34
21	A Review of Obstructive Sleep Apnea Detection Approaches. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 825-837	7.2	66
20	Devices for home detection of obstructive sleep apnea: A review. <i>Sleep Medicine Reviews</i> , 2018 , 41, 149-160	4.9	49
19	A portable wireless device based on oximetry for sleep apnea detection. <i>Computing (Vienna/New York)</i> , 2018 , 100, 1203-1219	2.2	11
18	Automatic detection of cyclic alternating pattern. <i>Neural Computing and Applications</i> , 2018 , 1	4.8	8
17	Automatic Detection of a Phases for CAP Classification 2018 ,		3
16	Combination of Deep and Shallow Networks for Cyclic Alternating Patterns Detection 2018 ,		3
15	Sleep Quality Estimation by Cardiopulmonary Coupling Analysis. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 2233-2239	4.8	11
14	Sleep Quality Analysis with Cardiopulmonary Coupling 2018 ,		1
13	Implementation Strategy of Convolution Neural Networks on Field Programmable Gate Arrays for Appliance Classification Using the Voltage and Current (V-I) Trajectory. <i>Energies</i> , 2018 , 11, 2460	3.1	13
12	Analog active filter design using a multi objective genetic algorithm. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 93, 83-94	2.8	8
11	Full image-processing pipeline in field-programmable gate array for a small endoscopic camera. <i>Journal of Electronic Imaging</i> , 2017 , 26, 013005	0.7	
10	A Method for Designing Emg Integrator using an FPGA 2017 ,		1
9	A minimally invasive portable system for sleep apnea detection 2017 ,		1
8	Optimization of sleep apnea detection using SpO2 and ANN 2017 ,		10
7	SpO2 based sleep apnea detection using deep learning 2017 ,		18
6	FPGA Implementation of Gamma Correction using a Piecewise Linear Approach for a Small Size Endoscopic Camera. <i>IS&T International Symposium on Electronic Imaging</i> , 2016 , 2016, 1-6	1	
5	On the implementation of the gamma function for image correction on a endoscopic camera 2016 ,		1

4	Voiceless Bangla vowel recognition using sEMG signal. <i>SpringerPlus</i> , 2016 , 5, 1522	4
3	An adaptive level dependent wavelet thresholding for ECG denoising. <i>Biocybernetics and Biomedical Engineering</i> , 2014 , 34, 238-249	5-7 87
2	Human emotion recognition using frequency & statistical measures of EEG signal 2013 ,	15
1	Clench force estimation by surface electromyography for neural prosthesis hand 2012 ,	3