

Abhijit Bhattacharyya

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,393
citations

840776

11
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1125743

13
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18
all docs

18
docs citations

18
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multivariate Approach for Patient-Specific EEG Seizure Detection Using Empirical Wavelet Transform. IEEE Transactions on Biomedical Engineering, 2017, 64, 2003-2015.	4.2	320
2	Tunable-Q Wavelet Transform Based Multiscale Entropy Measure for Automated Classification of Epileptic EEG Signals. Applied Sciences (Switzerland), 2017, 7, 385.	2.5	213
3	A novel approach for automated detection of focal EEG signals using empirical wavelet transform. Neural Computing and Applications, 2018, 29, 47-57.	5.6	152
4	Fourierâ€™Bessel series expansion based empirical wavelet transform for analysis of non-stationary signals. , 2018, 78, 185-196.		128
5	A deep learning based approach for automatic detection of COVID-19 cases using chest X-ray images. Biomedical Signal Processing and Control, 2022, 71, 103182.	5.7	109
6	Tunable-Q Wavelet Transform Based Multivariate Sub-Band Fuzzy Entropy with Application to Focal EEG Signal Analysis. Entropy, 2017, 19, 99.	2.2	87
7	A Novel Approach for Detection of Myocardial Infarction From ECG Signals of Multiple Electrodes. IEEE Sensors Journal, 2019, 19, 4509-4517.	4.7	86
8	A Novel Multivariate-Multiscale Approach for Computing EEG Spectral and Temporal Complexity for Human Emotion Recognition. IEEE Sensors Journal, 2021, 21, 3579-3591.	4.7	69
9	Localization of Myocardial Infarction From Multi-Lead ECG Signals Using Multiscale Analysis and Convolutional Neural Network. IEEE Sensors Journal, 2019, 19, 11437-11448.	4.7	55
10	Novel Approaches for the Removal of Motion Artifact From EEG Recordings. IEEE Sensors Journal, 2019, 19, 10600-10608.	4.7	40
11	Human emotion recognition based on timeâ€™frequency analysis of multivariate EEG signal. Knowledge-Based Systems, 2022, 238, 107867.	7.1	32
12	A Multi-Channel Approach for Cortical Stimulation Artefact Suppression in Depth EEG Signals Using Time-Frequency and Spatial Filtering. IEEE Transactions on Biomedical Engineering, 2019, 66, 1915-1926.	4.2	26
13	Classification of seizure and non-seizure EEG signals based on EMD-TQWT method. , 2017, , .		19
14	Automated identification of epileptic seizure EEG signals using empirical wavelet transform based Hilbert marginal spectrum. , 2017, , .		18
15	EEG based automatic emotion recognition using EMD and Random forest classifier. , 2019, , .		17
16	Identification of Epileptic Seizures from Scalp EEG Signals Based on TQWT. Advances in Intelligent Systems and Computing, 2019, , 209-221.	0.6	11
17	Automated Identification of Epileptic Seizures from EEG Signals Using FBSE-EWT Method. Series in Bioengineering, 2020, , 157-179.	0.6	11
18	A Filtering Method for Classification of Motor-Imagery EEG Signals for Brain-Computer Interface. , 2019, , .		0