

# Samit Kumar Ghosh

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

472  
citations

933410

10  
h-index

1125717

13  
g-index

21  
all docs

21  
docs citations

21  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated detection of heart valve diseases using chirplet transform and multiclass composite classifier with PCG signals. Computers in Biology and Medicine, 2020, 118, 103632.	7.0	83
2	Automated accurate emotion recognition system using rhythm-specific deep convolutional neural network technique with multi-channel EEG signals. Computers in Biology and Medicine, 2021, 134, 104428.	7.0	72
3	Automated Detection of Heart Valve Disorders From the PCG Signal Using Time-Frequency Magnitude and Phase Features. , 2019, 3, 1-4.		56
4	AFCNNNet: Automated detection of AF using chirplet transform and deep convolutional bidirectional long short term memory network with ECG signals. Computers in Biology and Medicine, 2021, 137, 104783.	7.0	40
5	Detection of Atrial Fibrillation from Single Lead ECG Signal Using Multirate Cosine Filter Bank and Deep Neural Network. Journal of Medical Systems, 2020, 44, 114.	3.6	36
6	Development of Automated Sleep Stage Classification System Using Multivariate Projection-Based Fixed Boundary Empirical Wavelet Transform and Entropy Features Extracted from Multichannel EEG Signals. Entropy, 2020, 22, 1141.	2.2	31
7	Time-Frequency-Domain Deep Learning Framework for the Automated Detection of Heart Valve Disorders Using PCG Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	30
8	Automated Classification of Mental Arithmetic Tasks Using Recurrent Neural Network and Entropy Features Obtained from Multi-Channel EEG Signals. Electronics (Switzerland), 2021, 10, 1079.	3.1	27
9	Sensing performance of energy detector in cognitive radio networks. International Journal of Information Technology (Singapore), 2019, 11, 773-778.	2.7	16
10	Evaluation of Performance Metrics and Denoising of PCG Signal using Wavelet Based Decomposition. , 2020, , .		14
11	Multichannel Multiscale Two-Stage Convolutional Neural Network for the Detection and Localization of Myocardial Infarction Using Vectorcardiogram Signal. Applied Sciences (Switzerland), 2021, 11, 7920.	2.5	13
12	Deep Layer Kernel Sparse Representation Network for the Detection of Heart Valve Ailments from the Time-Frequency Representation of PCG Recordings. BioMed Research International, 2020, 2020, 1-16.	1.9	12
13	Heart Sound Data Acquisition and Preprocessing Techniques. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 244-264.	0.2	9
14	Low power high performance carry select adder. , 2017, , .		7
15	A Transform Domain Approach for the Compression of Fetal Phonocardiogram Signal. , 2021, 5, 1-4.		7
16	Comparative error rate analysis of cooperative spectrum sensing in non-fading and fading environments. , 2015, , .		6
17	A Novel Algorithm based on Stockwell Transform for Boundary Detection and Segmentation of Heart Sound Components from PCG signal. , 2019, , .		5
18	INVESTIGATION OF DISCRETE WAVELET TRANSFORM DOMAIN OPTIMAL PARAMETRIC APPROACH FOR DENOISING OF PHONOCARDIOGRAM SIGNAL. Journal of Mechanics in Medicine and Biology, 2022, 22, .	0.7	4

#	ARTICLE	IF	CITATIONS
19	Classification of PCG Signals using Fourier-based Synchrosqueezing Transform and Support Vector Machine. , 2021, , .		3
20	Implementation of Children Activity Tracking System Based on Internet of Things. Advances in Intelligent Systems and Computing, 2020, , 713-721.	0.6	1
21	Optimal Voting Rule and Minimization of Total Error Rate in Cooperative Spectrum Sensing for Cognitive Radio Networks. Journal of Telecommunications and Information Technology, 2021, 1, 43-50.	0.4	0