Shivnarayan Patidar

List of Publications by Year
in descending order

29 papers	1,090 citations	686830 13 h-index	839053 18 g-index
29 all docs	29 docs citations	29 times ranked	980 citing authors

#	Article	IF	Citations
1	Epileptic seizure classification in EEG signals using second-order difference plot of intrinsic mode functions. Computer Methods and Programs in Biomedicine, 2014, 113, 494-502.	2.6	231
2	Automated diagnosis of coronary artery disease using tunable-Q wavelet transform applied on heart rate signals. Knowledge-Based Systems, 2015, 82, 1-10.	4.0	152
3	Detection of epileptic seizure using Kraskov entropy applied on tunable-Q wavelet transform of EEG signals. Biomedical Signal Processing and Control, 2017, 34, 74-80.	3.5	134
4	Classification of cardiac sound signals using constrained tunable-Q wavelet transform. Expert Systems With Applications, 2014, 41, 7161-7170.	4.4	97
5	An integrated alcoholic index using tunable-Q wavelet transform based features extracted from EEG signals for diagnosis of alcoholism. Applied Soft Computing Journal, 2017, 50, 71-78.	4.1	97
6	Automatic diagnosis of septal defects based on tunable-Q wavelet transform of cardiac sound signals. Expert Systems With Applications, 2015, 42, 3315-3326.	4.4	76
7	Accurate tunable-Q wavelet transform based method for QRS complex detection. Computers and Electrical Engineering, 2019, 75, 101-111.	3.0	58
8	Segmentation of cardiac sound signals by removing murmurs using constrained tunable-Q wavelet transform. Biomedical Signal Processing and Control, 2013, 8, 559-567.	3.5	53
9	Automated pre-screening of arrhythmia using hybrid combination of Fourierâ€“Bessel expansion and LSTM. Computers in Biology and Medicine, 2020, 120, 103753.	3.9	35
10	Classification of Normal and Epileptic Seizure EEG Signals Based on Empirical Mode Decomposition. Studies in Fuzziness and Soft Computing, 2015, , 367-388.	0.6	31
11	Tensor learning of pointwise mutual information from EHR data for early prediction of sepsis. Computers in Biology and Medicine, 2021, 134, 104430.	3.9	20
12	Automated detection of abnormal heart sound signals using Fano-factor constrained tunable quality wavelet transform. Biocybernetics and Biomedical Engineering, 2021, 41, 111-126.	3.3	17
13	Early Prediction of Sepsis From Clinical Data Using Ratio and Power-Based Features. Critical Care Medicine, 2020, 48, e1343-e1349.	0.4	15
14	Constrained Tunable-Q Wavelet Transform based Analysis of Cardiac Sound Signals. AASRI Procedia, 2013, 4, 57-63.	0.6	12
15	A correlation matrix-based tensor decomposition method for early prediction of sepsis from clinical data. Biocybernetics and Biomedical Engineering, 2021, 41, 1013-1024.	3.3	12
16	Tunable-Q wavelet transform based optimal compression of cardiac sound signals. , 2016, , .		10
17	Atrial Fibrillation Detection Using Convolutional Neural Networks. , 0, , .		8
18	A Continuous Wavelet Transform Based Method for Detecting Heart Valve Disorders Using Phonocardiograph Signals. Communications in Computer and Information Science, 2012, , 513-520.	0.4	7

#	Article	IF	Citations
19	Classification of Heart Disorders Based on Tunable-Q Wavelet Transform of Cardiac Sound Signals. Studies in Computational Intelligence, 2015, , 239-264.	0.7	4
20	Detection of septal defects from cardiac sound signals using tunable-Q wavelet transform. , 2014, , .		3
21	Design and Implementation of Tunable Bandpass Filter for Biomedical Applications. , 2016, , .		3
22	Automated Detection of Atrial Fbrillation using Fourier-Bessel expansion and Teager Energy Operator from Electrocardiogram Signals. , 0, , .		3
23	Application of Recurrent Neural Network for the Prediction of Target Non-Apneic Arousal Regions in Physiological Signals. , 0, , .		3
24	An Explainable Machine Learning Model for Early Prediction of Sepsis Using ICU Data. , 0, , .		3
25	Diagnosis of Sepsis Using Ratio Based Features. , 0, , .		3
26	Automated diagnosis of coronary artery disease using scalogram-based tensor decomposition with heart rate signals. Medical Engineering and Physics, 2022, 110, 103811.	0.8	3
27	Design of Area-Power-Delay Efficient Square Root Carry Select Adder. , 2018, , .		0
28	A Fourier-Bessel Expansion-Based Method for Automated Detection of Atrial Fibrillation From Electrocardiogram Signals. Advances in Medical Diagnosis, Treatment, and Care, 2019, , 248-277.	0.1	0
29	Diagnosis of Cardiac Abnormalities Applying Scattering Transform and Fourier-Bessel Expansion on ECG Signals. , 2021, , .		0