

# Shivnarayan Patidar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7327285/publications.pdf>

Version: 2024-02-01

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	Automated diagnosis of coronary artery disease using scalogram-based tensor decomposition with heart rate signals. <i>Medical Engineering and Physics</i> , 2022, 110, 103811.	0.8	3
2	Automated detection of abnormal heart sound signals using Fano-factor constrained tunable quality wavelet transform. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 111-126.	3.3	17
3	A correlation matrix-based tensor decomposition method for early prediction of sepsis from clinical data. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 1013-1024.	3.3	12
4	Tensor learning of pointwise mutual information from EHR data for early prediction of sepsis. <i>Computers in Biology and Medicine</i> , 2021, 134, 104430.	3.9	20
5	Diagnosis of Cardiac Abnormalities Applying Scattering Transform and Fourier-Bessel Expansion on ECG Signals. , 2021, , .		0
6	Early Prediction of Sepsis From Clinical Data Using Ratio and Power-Based Features. <i>Critical Care Medicine</i> , 2020, 48, e1343-e1349.	0.4	15
7	Automated pre-screening of arrhythmia using hybrid combination of Fourier-Bessel expansion and LSTM. <i>Computers in Biology and Medicine</i> , 2020, 120, 103753.	3.9	35
8	Accurate tunable-Q wavelet transform based method for QRS complex detection. <i>Computers and Electrical Engineering</i> , 2019, 75, 101-111.	3.0	58
9	A Fourier-Bessel Expansion-Based Method for Automated Detection of Atrial Fibrillation From Electrocardiogram Signals. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2019, , 248-277.	0.1	0
10	Design of Area-Power-Delay Efficient Square Root Carry Select Adder. , 2018, , .		0
11	Detection of epileptic seizure using Kraskov entropy applied on tunable-Q wavelet transform of EEG signals. <i>Biomedical Signal Processing and Control</i> , 2017, 34, 74-80.	3.5	134
12	An integrated alcoholic index using tunable-Q wavelet transform based features extracted from EEG signals for diagnosis of alcoholism. <i>Applied Soft Computing Journal</i> , 2017, 50, 71-78.	4.1	97
13	Tunable-Q wavelet transform based optimal compression of cardiac sound signals. , 2016, , .		10
14	Design and Implementation of Tunable Bandpass Filter for Biomedical Applications. , 2016, , .		3
15	Classification of Heart Disorders Based on Tunable-Q Wavelet Transform of Cardiac Sound Signals. <i>Studies in Computational Intelligence</i> , 2015, , 239-264.	0.7	4
16	Automated diagnosis of coronary artery disease using tunable-Q wavelet transform applied on heart rate signals. <i>Knowledge-Based Systems</i> , 2015, 82, 1-10.	4.0	152
17	Automatic diagnosis of septal defects based on tunable-Q wavelet transform of cardiac sound signals. <i>Expert Systems With Applications</i> , 2015, 42, 3315-3326.	4.4	76
18	Classification of Normal and Epileptic Seizure EEG Signals Based on Empirical Mode Decomposition. <i>Studies in Fuzziness and Soft Computing</i> , 2015, , 367-388.	0.6	31

#	ARTICLE	IF	CITATIONS
19	Detection of septal defects from cardiac sound signals using tunable-Q wavelet transform. , 2014, , .		3
20	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
21	Classification of cardiac sound signals using constrained tunable-Q wavelet transform. Expert Systems With Applications, 2014, 41, 7161-7170.	4.4	97
22	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
23	Constrained Tunable-Q Wavelet Transform based Analysis of Cardiac Sound Signals. AASRI Procedia, 2013, 4, 57-63.	0.6	12
24	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
25	Atrial Fibrillation Detection Using Convolutional Neural Networks. , 0, , .		8
26	Automated Detection of Atrial Fbrillation using Fourier-Bessel expansion and Teager Energy Operator from Electrocardiogram Signals. , 0, , .		3
27	Application of Recurrent Neural Network for the Prediction of Target Non-Apneic Arousal Regions in Physiological Signals. , 0, , .		3
28	An Explainable Machine Learning Model for Early Prediction of Sepsis Using ICU Data. , 0, , .		3
29	Diagnosis of Sepsis Using Ratio Based Features. , 0, , .		3