

# Ram Bilas Pachori

## List of Publications by Year in descending order

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214  
papers

11,697  
citations

29994

54  
h-index

37111

96  
g-index

216  
all docs

216  
docs citations

216  
times ranked

5571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of epileptic electroencephalogram signals using tunable-Q wavelet transform based filter-bank. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 877-891.	3.3	15
2	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.	3.5	109
3	Dorsal-Ventral Visual Pathways and Object Characteristics: Beamformer Source Analysis of EEG. Computers, Materials and Continua, 2022, 70, 2347-2363.	1.5	0
4	Epileptic-seizure classification using phase-space representation of FBSE-EWT based EEG sub-band signals and ensemble learners. Biomedical Signal Processing and Control, 2022, 71, 103138.	3.5	52
5	Automated diagnosis of muscle diseases from EMG signals using empirical mode decomposition based method. Biomedical Signal Processing and Control, 2022, 71, 103098.	3.5	22
6	COVID-19 disease identification from chest CT images using empirical wavelet transformation and transfer learning. Biomedical Signal Processing and Control, 2022, 71, 103076.	3.5	37
7	Isomorphic 2D/3D Objects and Saccadic Characteristics in Mental Rotation. Computers, Materials and Continua, 2022, 70, 433-450.	1.5	2
8	Logistic Regression With Tangent Space-Based Cross-Subject Learning for Enhancing Motor Imagery Classification. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1188-1197.	2.6	17
9	Automatic Diagnosis of Different Grades of Diabetic Retinopathy and Diabetic Macular Edema Using 2-D-FBSE-FAWT. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	27
10	Automated classification of valvular heart diseases using FBSE-EWT and PSR based geometrical features. Biomedical Signal Processing and Control, 2022, 73, 103445.	3.5	26
11	Automated Recognition of Imagined Commands From EEG Signals Using Multivariate Fast and Adaptive Empirical Mode Decomposition Based Method. , 2022, 6, 1-4.		10
12	FB Dictionary Based SSBL-EM and Its Application for Multi-Class SSVEP Classification Using Eight-Channel EEG Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	5
13	EEG signal based seizure detection focused on Hjorth parameters from tunable-Q wavelet sub-bands. Biomedical Signal Processing and Control, 2022, 76, 103645.	3.5	21
14	Automated Detection of Pulmonary Diseases From Lung Sound Signals Using Fixed-Boundary-Based Empirical Wavelet Transform. , 2022, 6, 1-4.		17
15	Screening chronic myeloid leukemia neutrophils using a novel 3-Dimensional Spectral Gradient Mapping algorithm on hyperspectral images. Computer Methods and Programs in Biomedicine, 2022, 220, 106836.	2.6	4
16	Sparse spectrum based swarm decomposition for robust nonstationary signal analysis with application to sleep apnea detection from EEG. Biomedical Signal Processing and Control, 2022, 77, 103792.	3.5	11
17	Automatic Diagnosis of Type of Glaucoma Using Order-One 2D-FBSE-EWT. , 2022, , .		1
18	Assessment of Chanting Effects Using EEG Signals. , 2022, , .		5

#	ARTICLE	IF	CITATIONS
19	A novel framework for retinal vessel segmentation using optimal improved frangi filter and adaptive weighted spatial FCM. Computers in Biology and Medicine, 2022, 147, 105770.	3.9	21
20	Emotion Identification From TQWT-Based EEG Rhythms. Advances in Bioinformatics and Biomedical Engineering Book Series, 2022, , 195-216.	0.2	6
21	Empirical Wavelet Transform-Based Framework for Diagnosis of Epilepsy Using EEG Signals. Advances in Bioinformatics and Biomedical Engineering Book Series, 2022, , 217-239.	0.2	3
22	Theoretical Analysis of an Inverse Radon Transform Based Multicomponent Micro-Doppler Parameter Estimation Algorithm. , 2022, , .		0
23	A novel method for the classification of Alzheimer's disease from normal controls using magnetic resonance imaging. Expert Systems, 2021, 38, .	2.9	23
24	FBDM based time-frequency representation for sleep stages classification using EEG signals. Biomedical Signal Processing and Control, 2021, 64, 102265.	3.5	34
25	Application of deep learning techniques for detection of COVID-19 cases using chest X-ray images: A comprehensive study. Biomedical Signal Processing and Control, 2021, 64, 102365.	3.5	282
26	Automatic diagnosis of glaucoma using two-dimensional Fourier-Bessel series expansion based empirical wavelet transform. Biomedical Signal Processing and Control, 2021, 64, 102237.	3.5	57
27	A Novel Multivariate-Multiscale Approach for Computing EEG Spectral and Temporal Complexity for Human Emotion Recognition. IEEE Sensors Journal, 2021, 21, 3579-3591.	2.4	69
28	Sliding Mode Singular Spectrum Analysis for the Elimination of Cross-Terms in Wigner-Ville Distribution. Circuits, Systems, and Signal Processing, 2021, 40, 1207-1232.	1.2	8
29	A Sliding Window Common Spatial Pattern for Enhancing Motor Imagery Classification in EEG-BCI. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	115
30	Directional local ternary co-occurrence pattern for natural image retrieval. Multimedia Tools and Applications, 2021, 80, 15901-15920.	2.6	10
31	An efficient method for identification of epileptic seizures from EEG signals using Fourier analysis. Physical and Engineering Sciences in Medicine, 2021, 44, 443-456.	1.3	31
32	Hand movement recognition from sEMG signals using Fourier decomposition method. Biocybernetics and Biomedical Engineering, 2021, 41, 690-703.	3.3	30
33	Automated Gearbox Fault Diagnosis Using Entropy-Based Features in Flexible Analytic Wavelet Transform (FAWT) Domain. Journal of Vibration Engineering and Technologies, 2021, 9, 1703-1713.	1.3	14
34	Schizophrenia detection technique using multivariate iterative filtering and multichannel EEG signals. Biomedical Signal Processing and Control, 2021, 67, 102525.	3.5	60
35	Automated Detection of Posterior Myocardial Infarction From Vectorcardiogram Signals Using Fourier-Bessel Series Expansion Based Empirical Wavelet Transform. , 2021, 5, 1-4.		21
36	An automatic subject specific channel selection method for enhancing motor imagery classification in EEG-BCI using correlation. Biomedical Signal Processing and Control, 2021, 68, 102574.	3.5	50

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37	Efficient detection of myocardial infarction from single lead ECG signal. Biomedical Signal Processing and Control, 2021, 68, 102678.	3.5	34
38	FBSED based automatic diagnosis of COVID-19 using X-ray and CT images. Computers in Biology and Medicine, 2021, 134, 104454.	3.9	55
39	Derived vectorcardiogram based automated detection of posterior myocardial infarction using FBSE-EWT technique. Biomedical Signal Processing and Control, 2021, 70, 103051.	3.5	21
40	Automated FBSE-EWT based learning framework for detection of epileptic seizures using time-segmented EEG signals. Computers in Biology and Medicine, 2021, 136, 104708.	3.9	36
41	Classification of chronic myeloid leukemia neutrophils by hyperspectral imaging using Euclidean and Mahalanobis distances. Biomedical Signal Processing and Control, 2021, 70, 103025.	3.5	15
42	Automated classification of lung sound signals based on empirical mode decomposition. Expert Systems With Applications, 2021, 184, 115456.	4.4	27
43	Sliding eigenvalue decomposition-based cross-term suppression in Wigner-Ville distribution. Journal of Computational Electronics, 2021, 20, 2245-2254.	1.3	4
44	An empirical wavelet transform-based approach for cross-terms-free Wigner-Ville distribution. Signal, Image and Video Processing, 2020, 14, 249-256.	1.7	22
45	Generalized Fractional Filter-Based Algorithm for Image Denoising. Circuits, Systems, and Signal Processing, 2020, 39, 363-390.	1.2	24
46	An efficient removal of power-line interference and baseline wander from ECG signals by employing Fourier decomposition technique. Biomedical Signal Processing and Control, 2020, 57, 101741.	3.5	95
47	Time-Frequency Domain Deep Convolutional Neural Network for the Classification of Focal and Non-Focal EEG Signals. IEEE Sensors Journal, 2020, 20, 3078-3086.	2.4	75
48	Elimination of Ocular Artifacts From Single Channel EEG Signals Using FBSE-EWT Based Rhythms. IEEE Sensors Journal, 2020, 20, 3687-3696.	2.4	32
49	Classification of focal EEG signals using FBSE based flexible time-frequency coverage wavelet transform. Biomedical Signal Processing and Control, 2020, 62, 102124.	3.5	29
50	Comparing the capabilities of transfer learning models to detect skin lesion in humans. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 1083-1093.	1.0	9
51	A novel approach for classification of mental tasks using multiview ensemble learning (MEL). Neurocomputing, 2020, 417, 558-584.	3.5	27
52	Sliding Eigenvalue Decomposition for Non-stationary Signal Analysis. , 2020, , .		1
53	Seizures classification based on higher order statistics and deep neural network. Biomedical Signal Processing and Control, 2020, 59, 101921.	3.5	62
54	Detection of apnea events from ECG segments using Fourier decomposition method. Biomedical Signal Processing and Control, 2020, 61, 102005.	3.5	69

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55	EEG-Based Detection of Focal Seizure Area Using FBSE-EWT Rhythm and SAE-SVM Network. IEEE Sensors Journal, 2020, 20, 11421-11428.	2.4	28
56	EEG-Rhythm Specific Taylorâ€Fourier Filter Bank Implemented With O-Splines for the Detection of Epilepsy Using EEG Signals. IEEE Sensors Journal, 2020, 20, 6542-6551.	2.4	60
57	A fractional filter based efficient algorithm for retinal blood vessel segmentation. Biomedical Signal Processing and Control, 2020, 59, 101883.	3.5	48
58	Detection of sleep apnea from heart beat interval and ECG derived respiration signals using sliding mode singular spectrum analysis. , 2020, 104, 102796.		44
59	A Nonparametric Approach for Multicomponent AMâ€FM Signal Analysis. Circuits, Systems, and Signal Processing, 2020, 39, 6316-6357.	1.2	15
60	Automated emotion recognition based on higher order statistics and deep learning algorithm. Biomedical Signal Processing and Control, 2020, 58, 101867.	3.5	119
61	Development of an Effective Computing Framework for Classification of Motor Imagery EEG Signals for Brainâ€Computer Interface. Algorithms for Intelligent Systems, 2020, , 17-35.	0.5	1
62	Automated Alcoholism Detection Using Fourier-Bessel Series Expansion Based Empirical Wavelet Transform. IEEE Sensors Journal, 2020, 20, 4914-4924.	2.4	35
63	A deep stacked random vector functional link network autoencoder for diagnosis of brain abnormalities and breast cancer. Biomedical Signal Processing and Control, 2020, 58, 101860.	3.5	39
64	Automated focal EEG signal detection based on third order cumulant function. Biomedical Signal Processing and Control, 2020, 58, 101856.	3.5	27
65	Automated Detection of Seizure and Nonseizure EEG Signals Using Two Band Biorthogonal Wavelet Filter Banks. Series in Bioengineering, 2020, , 137-155.	0.3	5
66	Automated Identification of Epileptic Seizures from EEG Signals Using FBSE-EWT Method. Series in Bioengineering, 2020, , 157-179.	0.3	11
67	Enhanced Timeâ€Frequency Representation Based on Variational Mode Decomposition and Wignerâ€Ville Distribution. Advances in Intelligent Systems and Computing, 2020, , 265-284.	0.5	4
68	Iterative Filtering-Based Automated Method for Detection of Normal and ALS EMG Signals. Advances in Intelligent Systems and Computing, 2020, , 33-53.	0.5	1
69	Automatic diagnosis of COVID-19 and pneumonia using FBD method. , 2020, , .		17
70	Classification of EMG Signals Using Eigenvalue Decomposition-Based Time-Frequency Representation. Advances in Bioinformatics and Biomedical Engineering Book Series, 2020, , 96-118.	0.2	8
71	Biomedical Engineering Fundamentals. , 2020, , 547-605.		1
72	Automated Seizure Classification Using Deep Neural Network Based on Autoencoder. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 1-19.	0.2	3

#	ARTICLE	IF	CITATIONS
73	Three Channel Wavelet Filter Banks With Minimal Time Frequency Spread for Classification of Seizure-Free and Seizure EEG Signals. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 220-236.	0.2	2
74	Localization of Myocardial Infarction From Multi-Lead ECG Signals Using Multiscale Analysis and Convolutional Neural Network. IEEE Sensors Journal, 2019, 19, 11437-11448.	2.4	55
75	Novel Approaches for the Removal of Motion Artifact From EEG Recordings. IEEE Sensors Journal, 2019, 19, 10600-10608.	2.4	40
76	FBSE-EWT-Based Approach for the Determination of Respiratory Rate From PPG Signals. , 2019, 3, 1-4.		17
77	Epileptic seizure identification using entropy of FBSE based EEG rhythms. Biomedical Signal Processing and Control, 2019, 53, 101569.	3.5	113
78	Discrimination of Focal and Non-Focal Seizures From EEG Signals Using Sliding Mode Singular Spectrum Analysis. IEEE Sensors Journal, 2019, 19, 12286-12296.	2.4	29
79	An Automatic Subject Specific Intrinsic Mode Function Selection for Enhancing Two-Class EEG-Based Motor Imagery-Brain Computer Interface. IEEE Sensors Journal, 2019, 19, 6938-6947.	2.4	70
80	Joint Time-Frequency Domain-Based CAD Disease Sensing System Using ECG Signals. IEEE Sensors Journal, 2019, 19, 3912-3920.	2.4	36
81	A Novel Approach for Detection of Myocardial Infarction From ECG Signals of Multiple Electrodes. IEEE Sensors Journal, 2019, 19, 4509-4517.	2.4	86
82	A NEW TECHNIQUE FOR CLASSIFICATION OF FOCAL AND NONFOCAL EEG SIGNALS USING HIGHER-ORDER SPECTRA. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940010.	0.3	20
83	AUTOMATED GLAUCOMA DETECTION USING CENTER SLICE OF HIGHER ORDER STATISTICS. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940011.	0.3	26
84	Cross-term suppression in the Wigner-Ville distribution using variational mode decomposition. , 2019, , .		6
85	A Filtering Method for Classification of Motor-Imagery EEG Signals for Brain-Computer Interface. , 2019, , .		0
86	Automated Detection of Heart Valve Disorders From the PCG Signal Using Time-Frequency Magnitude and Phase Features. , 2019, 3, 1-4.		56
87	Tangent Space Features-Based Transfer Learning Classification Model for Two-Class Motor Imagery Brain-Computer Interface. International Journal of Neural Systems, 2019, 29, 1950025.	3.2	59
88	Automated glaucoma detection using quasi-bivariate variational mode decomposition from fundus images. IET Image Processing, 2019, 13, 2401-2408.	1.4	48
89	Automated gear fault detection of micron level wear in bevel gears using variational mode decomposition. Journal of Mechanical Science and Technology, 2019, 33, 5769-5777.	0.7	19
90	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.	2.5	26

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91	Accurate automated detection of congestive heart failure using eigenvalue decomposition based features extracted from HRV signals. Biocybernetics and Biomedical Engineering, 2019, 39, 312-327.	3.3	37
92	Automated classification of hand movements using tunable-Q wavelet transform based filter-bank with surface electromyogram signals. Future Generation Computer Systems, 2019, 93, 96-110.	4.9	45
93	Cross-Subject Emotion Recognition Using Flexible Analytic Wavelet Transform From EEG Signals. IEEE Sensors Journal, 2019, 19, 2266-2274.	2.4	194
94	Automated glaucoma diagnosis using bit-plane slicing and local binary pattern techniques. Computers in Biology and Medicine, 2019, 105, 72-80.	3.9	41
95	Comparison Analysis: Single and Multichannel EMD-Based Filtering with Application to BCI. Advances in Intelligent Systems and Computing, 2019, , 107-118.	0.5	8
96	Optimal Design of Three-Band Orthogonal Wavelet Filter Bank with Stopband Energy for Identification of Epileptic Seizure EEG Signals. Advances in Intelligent Systems and Computing, 2019, , 197-207.	0.5	3
97	Identification of Epileptic Seizures from Scalp EEG Signals Based on TQWT. Advances in Intelligent Systems and Computing, 2019, , 209-221.	0.5	11
98	Double Density Dual-Tree Complex Wavelet Transform-Based Features for Automated Screening of Knee-Joint Vibroarthrographic Signals. Advances in Intelligent Systems and Computing, 2019, , 279-290.	0.5	8
99	An Automated Alcoholism Detection Using Orthogonal Wavelet Filter Bank. Advances in Intelligent Systems and Computing, 2019, , 473-483.	0.5	14
100	Automated Identification System for Focal EEG Signals Using Fractal Dimension of FAWT-Based Sub-bands Signals. Advances in Intelligent Systems and Computing, 2019, , 583-596.	0.5	18
101	Automated CAD Identification System Using Time-Frequency Representation Based on Eigenvalue Decomposition of ECG Signals. Advances in Intelligent Systems and Computing, 2019, , 597-608.	0.5	13
102	Electromyogram Signal Analysis Using Eigenvalue Decomposition of the Hankel Matrix. Advances in Intelligent Systems and Computing, 2019, , 671-682.	0.5	8
103	Computer-Aided Diagnosis of Epilepsy Using Bispectrum of EEG Signals. , 2019, , 197-220.		7
104	Time-frequency representation using IEVDHM-HT with application to classification of epileptic EEG signals. IET Science, Measurement and Technology, 2018, 12, 72-82.	0.9	104
105	Dual-Tree Complex Wavelet Transform-Based Features for Automated Alcoholism Identification. International Journal of Fuzzy Systems, 2018, 20, 1297-1308.	2.3	63
106	Design of Time-Frequency-Localized Two-Band Orthogonal Wavelet Filter Banks. Circuits, Systems, and Signal Processing, 2018, 37, 3295-3312.	1.2	4
107	Fourier-Bessel series expansion based empirical wavelet transform for analysis of non-stationary signals. , 2018, 78, 185-196.		128
108	A novel approach for automated detection of focal EEG signals using empirical wavelet transform. Neural Computing and Applications, 2018, 29, 47-57.	3.2	152

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109	A multi-class EEG-based BCI classification using multivariate empirical mode decomposition based filtering and Riemannian geometry. <i>Expert Systems With Applications</i> , 2018, 95, 201-211.	4.4	194
110	Focal EEG signal detection based on constant-bandwidth TQWT filter-banks. , 2018, , .		12
111	Fourier-Bessel series expansion based technique for automated classification of focal and non-focal EEG signals. , 2018, , .		10
112	Instantaneous fundamental frequency estimation of speech signals using tunable-Q wavelet transform. , 2018, , .		2
113	Automated System for Epileptic EEG Detection Using Iterative Filtering. , 2018, 2, 1-4.		73
114	Improved Eigenvalue Decomposition-Based Approach for Reducing Cross-Terms in Wigner-Ville Distribution. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 3330-3350.	1.2	23
115	Eigenvalue Decomposition of Hankel Matrix-Based Time-Frequency Representation for Complex Signals. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 3313-3329.	1.2	22
116	Automated diagnosis of atrial fibrillation ECG signals using entropy features extracted from flexible analytic wavelet transform. <i>Biocybernetics and Biomedical Engineering</i> , 2018, 38, 564-573.	3.3	80
117	Baseline wander and power line interference removal from ECG signals using eigenvalue decomposition. <i>Biomedical Signal Processing and Control</i> , 2018, 45, 33-49.	3.5	79
118	Automated Classification of Focal and Non-Focal EEG Signals Based on Bivariate Empirical Mode Decomposition. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2018, , 13-33.	0.3	12
119	Automated Diagnosis of Glaucoma Using Empirical Wavelet Transform and Correntropy Features Extracted From Fundus Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 803-813.	3.9	194
120	A Multivariate Approach for Patient-Specific EEG Seizure Detection Using Empirical Wavelet Transform. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2003-2015.	2.5	320
121	Histogram refinement for texture descriptor based image retrieval. <i>Signal Processing: Image Communication</i> , 2017, 53, 73-85.	1.8	23
122	Automatic sleep stages classification based on iterative filtering of electroencephalogram signals. <i>Neural Computing and Applications</i> , 2017, 28, 2959-2978.	3.2	140
123	Decision support system for focal EEG signals using tunable-Q wavelet transform. <i>Journal of Computational Science</i> , 2017, 20, 52-60.	1.5	73
124	An automatic detection of focal EEG signals using new class of time-frequency localized orthogonal wavelet filter banks. <i>Knowledge-Based Systems</i> , 2017, 118, 217-227.	4.0	147
125	Optimal duration-bandwidth localized antisymmetric biorthogonal wavelet filters. <i>Signal Processing</i> , 2017, 134, 87-99.	2.1	46
126	Determination of instantaneous fundamental frequency of speech signals using variational mode decomposition. <i>Computers and Electrical Engineering</i> , 2017, 62, 630-647.	3.0	37



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127	Speech enhancement based on mEMD&VMD method. Electronics Letters, 2017, 53, 502-504.	0.5	42
128	Automated detection of focal EEG signals using features extracted from flexible analytic wavelet transform. Pattern Recognition Letters, 2017, 94, 180-188.	2.6	108
129	A new approach to characterize epileptic seizures using analytic time-frequency flexible wavelet transform and fractal dimension. Pattern Recognition Letters, 2017, 94, 172-179.	2.6	330
130	Time&frequency localized three-band biorthogonal wavelet filter bank using semidefinite relaxation and nonlinear least squares with epileptic seizure EEG signal classification. , 2017, 62, 259-273.		115
131	A parametrization technique to design joint time&frequency optimized discrete-time biorthogonal wavelet bases. Signal Processing, 2017, 135, 107-120.	2.1	41
132	A new method for non-stationary signal analysis using eigenvalue decomposition of the Hankel matrix and Hilbert transform. , 2017, , .		14
133	CLASSIFICATION OF FOCAL AND NONFOCAL EEG SIGNALS USING FEATURES DERIVED FROM FOURIER-BASED RHYTHMS. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740002.	0.3	54
134	A NOVEL APPROACH TO DETECT EPILEPTIC SEIZURES USING A COMBINATION OF TUNABLE-Q WAVELET TRANSFORM AND FRACTAL DIMENSION. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740003.	0.3	91
135	A novel approach for time&frequency localization of scaling functions and design of three-band biorthogonal linear phase wavelet filter banks. , 2017, 69, 309-322.		37
136	Iterative variational mode decomposition based automated detection of glaucoma using fundus images. Computers in Biology and Medicine, 2017, 88, 142-149.	3.9	106
137	Instantaneous Area Based Online Detection of Bend Generated Error in a Raman Optical Fiber Distributed Temperature Sensor. , 2017, 1, 1-4.		8
138	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
139	Characterization of coronary artery disease using flexible analytic wavelet transform applied on ECG signals. Biomedical Signal Processing and Control, 2017, 31, 301-308.	3.5	114
140	Automated Diagnosis of Epilepsy Using Key-Point-Based Local Binary Pattern of EEG Signals. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 888-896.	3.9	181
141	Classification of seizure and non-seizure EEG signals based on EMD-TQWT method. , 2017, , .		19
142	Computer aided detection of abnormal EMG signals based on tunable-Q wavelet transform. , 2017, , .		25
143	Automated identification of epileptic seizure EEG signals using empirical wavelet transform based Hilbert marginal spectrum. , 2017, , .		18
144	Tunable-Q Wavelet Transform Based Multiscale Entropy Measure for Automated Classification of Epileptic EEG Signals. Applied Sciences (Switzerland), 2017, 7, 385.	1.3	213

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145	Use of Accumulated Entropies for Automated Detection of Congestive Heart Failure in Flexible Analytic Wavelet Transform Framework Based on Short-Term HRV Signals. <i>Entropy</i> , 2017, 19, 92.	1.1	50
146	Tunable-Q Wavelet Transform Based Multivariate Sub-Band Fuzzy Entropy with Application to Focal EEG Signal Analysis. <i>Entropy</i> , 2017, 19, 99.	1.1	87
147	Automated Diagnosis of Myocardial Infarction ECG Signals Using Sample Entropy in Flexible Analytic Wavelet Transform Framework. <i>Entropy</i> , 2017, 19, 488.	1.1	110
148	An efficient automated technique for CAD diagnosis using flexible analytic wavelet transform and entropy features extracted from HRV signals. <i>Expert Systems With Applications</i> , 2016, 63, 165-172.	4.4	93
149	Tunable-Q wavelet transform based optimal compression of cardiac sound signals. , 2016, , .		10
150	AN IMPROVED ONLINE PARADIGM FOR SCREENING OF DIABETIC PATIENTS USING RR-INTERVAL SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1640003.	0.3	27
151	APPLICATION OF EMPIRICAL MODE DECOMPOSITION-BASED FEATURES FOR ANALYSIS OF NORMAL AND CAD HEART RATE SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1640002.	0.3	43
152	A multivariate empirical mode decomposition based filtering for subject independent BCI. , 2016, , .		26
153	Design of Time-Frequency Optimal Three-Band Wavelet Filter Banks with Unit Sobolev Regularity Using Frequency Domain Sampling. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 4501-4531.	1.2	37
154	Empirical Mode Decomposition-Based Detection of Bend-Induced Error and Its Correction in a Raman Optical Fiber Distributed Temperature Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 1243-1252.	2.4	32
155	Design of Time-Frequency Localized Filter Banks: Transforming Non-convex Problem into Convex Via Semidefinite Relaxation Technique. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3716-3733.	1.2	36
156	Cross-terms reduction in the Wigner-Ville distribution using tunable-Q wavelet transform. <i>Signal Processing</i> , 2016, 120, 288-304.	2.1	103
157	A new method for determination of instantaneous pitch frequency from speech signals. , 2015, , .		9
158	Detection of glottal closure instants from voiced speech signals using the Fourier-Bessel series expansion. , 2015, , .		1
159	An Integrated Index for the Identification of Focal Electroencephalogram Signals Using Discrete Wavelet Transform and Entropy Measures. <i>Entropy</i> , 2015, 17, 5218-5240.	1.1	162
160	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
161	Instantaneous voiced/non-voiced detection in speech signals based on variational mode decomposition. <i>Journal of the Franklin Institute</i> , 2015, 352, 2679-2707.	1.9	104
162	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

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163	Detection of Human Emotions Using Features Based on the Multiwavelet Transform of EEG Signals. Intelligent Systems Reference Library, 2015, , 215-240.	1.0	32
164	Classification of magnetic resonance brain images using bi-dimensional empirical mode decomposition and autoregressive model. Biomedical Engineering Letters, 2015, 5, 311-320.	2.1	14
165	Application of empirical mode decomposition for analysis of normal and diabetic RR-interval signals. Expert Systems With Applications, 2015, 42, 4567-4581.	4.4	77
166	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
167	Parametric representation of speech employing multi-component AFM signal model. International Journal of Speech Technology, 2015, 18, 287-303.	1.4	20
168	An iterative approach for decomposition of multi-component non-stationary signals based on eigenvalue decomposition of the Hankel matrix. Journal of the Franklin Institute, 2015, 352, 4017-4044.	1.9	52
169	Application of Entropy Measures on Intrinsic Mode Functions for the Automated Identification of Focal Electroencephalogram Signals. Entropy, 2015, 17, 669-691.	1.1	271
170	An empirical mode decomposition based filtering method for classification of motor-imagery EEG signals for enhancing brain-computer interface. , 2015, , .		54
171	Empirical mode decomposition based dynamic error correction in SS covered 62.5/125Åµm optical fiber based distributed temperature sensor. Optics and Laser Technology, 2015, 67, 107-118.	2.2	10
172	Raman optical fiber distributed temperature sensor using wavelet transform based simplified signal processing of Raman backscattered signals. Optics and Laser Technology, 2015, 65, 14-24.	2.2	74
173	Classification of epileptic seizures in EEG signals based on phase space representation of intrinsic mode functions. Expert Systems With Applications, 2015, 42, 1106-1117.	4.4	341
174	Classification of seizure and seizure-free EEG signals using local binary patterns. Biomedical Signal Processing and Control, 2015, 15, 33-40.	3.5	147
175	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
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