

Sridhar Krishnan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

229
papers

2,840
citations

29
h-index

46
g-index

258
ext. papers

3,571
ext. citations

2.6
avg, IF

5.85
L-index

#	Paper	IF	Citations
229	LibD3C: Ensemble classifiers with a clustering and dynamic selection strategy. <i>Neurocomputing</i> , 2014 , 123, 424-435	5.4	199
228	Phase mapping of cardiac fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010 , 3, 105-14	6.4	113
227	Real-time classification of forearm electromyographic signals corresponding to user-selected intentional movements for multifunction prosthesis control. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2007 , 15, 535-42	4.8	106
226	Statistical analysis of gait rhythm in patients with Parkinson's disease. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2010 , 18, 150-8	4.8	95
225	Discrimination of pathological voices using a time-frequency approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2005 , 52, 421-30	5	86
224	. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011 , 19, 2197-2209		82
223	Wavelet-based sparse functional linear model with applications to EEGs seizure detection and epilepsy diagnosis. <i>Medical and Biological Engineering and Computing</i> , 2013 , 51, 49-60	3.1	76
222	Trends in audio signal feature extraction methods. <i>Applied Acoustics</i> , 2020 , 158, 107020	3.1	69
221	Gaussian Mixture Modeling of Keystroke Patterns for Biometric Applications. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 816-826		64
220	Wearable Hardware Design for the Internet of Medical Things (IoMT). <i>Sensors</i> , 2018 , 18,	3.8	62
219	Parametric representation and screening of knee joint vibroarthrographic signals. <i>IEEE Transactions on Biomedical Engineering</i> , 1997 , 44, 1068-74	5	61
218	Adventitious sounds identification and extraction using temporal-spectral dominance-based features. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 3078-87	5	59
217	Localized rotational activation in the left atrium during human atrial fibrillation: relationship to complex fractionated atrial electrograms and low-voltage zones. <i>Heart Rhythm</i> , 2013 , 10, 1830-8	6.7	58
216	Trends in biomedical signal feature extraction. <i>Biomedical Signal Processing and Control</i> , 2018 , 43, 41-63	4.9	57
215	Modified local discriminant bases algorithm and its application in analysis of human knee joint vibration signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 517-23	5	54
214	. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2007 , 15, 1236-1246		53
213	Biosignal monitoring using wearables: Observations and opportunities. <i>Biomedical Signal Processing and Control</i> , 2017 , 38, 22-33	4.9	46

212	. <i>IEEE Transactions on Multimedia</i> , 2005 , 7, 308-315	6.6	45
211	Gaussian Mixture Modeling of Short-Time Fourier Transform Features for Audio Fingerprinting. <i>IEEE Transactions on Information Forensics and Security</i> , 2006 , 1, 457-463	8	42
210	Computer-aided analysis of gait rhythm fluctuations in amyotrophic lateral sclerosis. <i>Medical and Biological Engineering and Computing</i> , 2009 , 47, 1165-71	3.1	41
209	Smart metering and functionalities of smart meters in smart grid - a review 2015 ,		38
208	Combining least-squares support vector machines for classification of biomedical signals: a case study with knee-joint vibroarthrographic signals. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2011 , 23, 63-77	2	38
207	Signal feature extraction by multi-scale PCA and its application to respiratory sound classification. <i>Medical and Biological Engineering and Computing</i> , 2012 , 50, 759-68	3.1	34
206	Compressive sensing of electrocardiogram signals by promoting sparsity on the second-order difference and by using dictionary learning. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014 , 8, 293-302	5.1	32
205	Knee joint vibration signal analysis with matching pursuit decomposition and dynamic weighted classifier fusion. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 904267	2.8	32
204	Combining Temporal Features by Local Binary Pattern for Acoustic Scene Classification. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2017 , 25, 1315-1321	3.6	30
203	Time-Frequency Analysis via Ramanujan Sums. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 352-355	3.2	30
202	Effective dysphonia detection using feature dimension reduction and kernel density estimation for patients with Parkinson's disease. <i>PLoS ONE</i> , 2014 , 9, e88825	3.7	30
201	Feature identification in the time-frequency plane by using the Hough-Badon transform. <i>Pattern Recognition</i> , 2001 , 34, 1147-1158	7.7	29
200	Computer-aided diagnosis of knee-joint disorders via vibroarthrographic signal analysis: a review. <i>Critical Reviews in Biomedical Engineering</i> , 2010 , 38, 201-24	1.1	26
199	Shift-invariant discrete wavelet transform analysis for retinal image classification. <i>Medical and Biological Engineering and Computing</i> , 2007 , 45, 1211-22	3.1	26
198	Wavelet-based characterization of gait signal for neurological abnormalities. <i>Gait and Posture</i> , 2015 , 41, 634-9	2.6	25
197	Auditory display of knee-joint vibration signals. <i>Journal of the Acoustical Society of America</i> , 2001 , 110, 3292-304	2.2	25
196	Combining Vocal Source and MFCC Features for Enhanced Speaker Recognition Performance Using GMMs 2007 ,		23
195	Feature analysis of pathological speech signals using local discriminant bases technique. <i>Medical and Biological Engineering and Computing</i> , 2005 , 43, 457-64	3.1	22

194	Patient-specific seizure detection in long-term EEG using wavelet decomposition. <i>Biomedical Signal Processing and Control</i> , 2018 , 46, 157-165	4.9	21
193	Patient-specific seizure detection in long-term EEG using signal-derived empirical mode decomposition (EMD)-based dictionary approach. <i>Journal of Neural Engineering</i> , 2018 , 15, 056004	5	21
192	. <i>IEEE Transactions on Multimedia</i> , 2006 , 8, 925-936	6.6	19
191	Advanced K-means clustering algorithm for large ECG data sets based on a collaboration of compressed sensing theory and K-SVD approach. <i>Signal, Image and Video Processing</i> , 2016 , 10, 113-120	1.6	18
190	Adaptive Spatial Filter Based on Similarity Indices to Preserve the Neural Information on EEG Signals during On-Line Processing. <i>Sensors</i> , 2017 , 17,	3.8	18
189	A Joint Time-Frequency and Matrix Decomposition Feature Extraction Methodology for Pathological Voice Classification. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009,	1.9	18
188	Subject-specific EEG channel selection using non-negative matrix factorization for lower-limb motor imagery recognition. <i>Journal of Neural Engineering</i> , 2020 , 17, 026029	5	18
187	T wave alternans evaluation using adaptive time-frequency signal analysis and non-negative matrix factorization. <i>Medical Engineering and Physics</i> , 2011 , 33, 700-11	2.4	17
186	System based on subject-specific bands to recognize pedaling motor imagery: towards a BCI for lower-limb rehabilitation. <i>Journal of Neural Engineering</i> , 2019 , 16, 056005	5	17
185	Pathological speech signal analysis and classification using empirical mode decomposition. <i>Medical and Biological Engineering and Computing</i> , 2013 , 51, 811-21	3.1	16
184	An independent-BCI based on SSVEP using Figure-Ground Perception (FGP). <i>Biomedical Signal Processing and Control</i> , 2016 , 26, 69-79	4.9	15
183	A Wavelet-PCA-Based Fingerprinting Scheme for Peer-to-Peer Video File Sharing. <i>IEEE Transactions on Information Forensics and Security</i> , 2010 , 5, 365-373	8	15
182	A Low-Cost Lower-Limb Brain-Machine Interface Triggered by Pedaling Motor Imagery for Post-Stroke Patients Rehabilitation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 988-996	4.8	13
181	Visual saliency's modulatory effect on just noticeable distortion profile and its application in image watermarking. <i>Signal Processing: Image Communication</i> , 2013 , 28, 917-928	2.8	13
180	Quantification of fragmented QRS complex using intrinsic time-scale decomposition. <i>Biomedical Signal Processing and Control</i> , 2017 , 31, 513-523	4.9	13
179	On the Use of Complementary Spectral Features for Speaker Recognition. <i>Eurasip Journal on Advances in Signal Processing</i> , 2007 , 2008,	1.9	13
178	Time-Frequency Signal Synthesis and Its Application in Multimedia Watermark Detection. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006 , 2006, 1	1.9	13
177	Effective low-power wearable wireless surface EMG sensor design based on analog-compressed sensing. <i>Sensors</i> , 2014 , 14, 24305-28	3.8	12

176	Wireless Body Area Networks with compressed sensing theory 2012 ,		12
175	CANDECOMP/PARAFAC model order selection based on Reconstruction Error in the presence of Kronecker structured colored noise 2016 , 48, 12-26		11
174	Low Power Wireless Body Area Networks with Compressed sensing theory 2012 ,		11
173	A combined just noticeable distortion model-guided image watermarking. <i>Signal, Image and Video Processing</i> , 2011 , 5, 517-526	1.6	11
172	Small bowel image classification using cross-co-occurrence matrices on wavelet domain. <i>Biomedical Signal Processing and Control</i> , 2009 , 4, 7-15	4.9	11
171	Trends in Compressive Sensing for EEG Signal Processing Applications. <i>Sensors</i> , 2020 , 20,	3.8	11
170	Trends in Heart-Rate Variability Signal Analysis. <i>Frontiers in Digital Health</i> , 2021 , 3, 639444	2.3	11
169	Advanced signal analysis for the detection of periodic limb movements from bilateral ankle actigraphy. <i>Journal of Sleep Research</i> , 2017 , 26, 14-20	5.8	10
168	A Review of Sleep Disorder Diagnosis by Electromyogram Signal Analysis. <i>Critical Reviews in Biomedical Engineering</i> , 2015 , 43, 1-20	1.1	10
167	Robust compressive sensing algorithm for wireless surface electromyography applications. <i>Biomedical Signal Processing and Control</i> , 2015 , 20, 100-106	4.9	10
166	Dynamic principal component analysis with nonoverlapping moving window and its applications to epileptic EEG classification. <i>Scientific World Journal, The</i> , 2014 , 2014, 419308	2.2	10
165	Robust Wireless Sensor Networks with Compressed Sensing Theory. <i>Communications in Computer and Information Science</i> , 2012 , 608-619	0.3	10
164	Discriminant non-stationary signal features clustering using hard and fuzzy cluster labeling. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	10
163	Increasing the reliability of wireless sensor network with a new testing approach based on compressed sensing theory 2011 ,		10
162	Regional frequency variation during human ventricular fibrillation. <i>Medical Engineering and Physics</i> , 2009 , 31, 964-70	2.4	10
161	A telehealth system framework for assessing knee-joint conditions using vibroarthrographic signals. <i>Biomedical Signal Processing and Control</i> , 2020 , 55, 101580	4.9	10
160	Separation of Fetal-ECG From Single-Channel Abdominal ECG Using Activation Scaled Non-Negative Matrix Factorization. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 669-680	7.2	10
159	Compressive Sensing of Foot Gait Signals and Its Application for the Estimation of Clinically Relevant Time Series. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1401-15	5	9

158	Reconstruction of ECG signals for compressive sensing by promoting sparsity on the gradient 2013 ,		9
157	Real-time electrogram analysis for monitoring coronary blood flow during human ventricular fibrillation: implications for CPR. <i>Heart Rhythm</i> , 2011 , 8, 740-9	6.7	9
156	Signal decomposition by multi-scale PCA and its applications to long-term EEG signal classification 2011 ,		9
155	Emotion Recognition Using Novel Speech Signal Features 2007 ,		9
154	Augmenting Dysphonia Voice Using Fourier-based Synchrosqueezing Transform for a CNN Classifier 2019 ,		8
153	Low sampling rate algorithm for wireless ECG systems based on compressed sensing theory. <i>Signal, Image and Video Processing</i> , 2015 , 9, 527-533	1.6	8
152	Small bowel image classification based on Fourier-Zernike moment features and canonical discriminant analysis. <i>Pattern Recognition and Image Analysis</i> , 2013 , 23, 211-216	1	8
151	SVM-based classification of digital modulation signals 2010 ,		8
150	Log-frequency spectrogram for respiratory sound monitoring 2012 ,		8
149	Medical image texture analysis: A case study with small bowel, retinal and mammogram images. <i>Canadian Conference on Electrical and Computer Engineering</i> , 2008 ,		8
148	Chaotic time series prediction using knowledge based Green's Kernel and least-squares support vector machines 2007 ,		8
147	A New Approach for Estimation of Instantaneous Mean Frequency of a Time-Varying Signal. <i>Eurasip Journal on Advances in Signal Processing</i> , 2005 , 2005, 1	1.9	8
146	Feature Representation of Pathophysiology of Parkinsonian Dysarthria		8
145	Real-time fetal ECG extraction from multichannel abdominal ECG using compressive sensing and ICA. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 2794-2797	0.9	7
144	Fast clustering algorithm for large ECG data sets based on CS theory in combination with PCA and K-NN methods. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 98-101	0.9	7
143	Combined just noticeable difference model guided image watermarking 2010 ,		7
142	A singular spectrum analysis-based model-free electrocardiogram denoising technique. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 188, 105304	6.9	7
141	Beat-to-beat T-wave alternans detection using the Ensemble Empirical Mode Decomposition method. <i>Computers in Biology and Medicine</i> , 2016 , 77, 1-8	7	7

140	Analysis of electrocardiogram pre-shock waveforms during ventricular fibrillation. <i>Biomedical Signal Processing and Control</i> , 2015 , 21, 26-33	4.9	6
139	Clustering Parkinson's and Age-Related Voice Impairment Signal Features for Unsupervised Learning. <i>Advances in Data Science and Adaptive Analysis</i> , 2018 , 10, 1840007	0.1	6
138	Matrix-Based Ramanujan-Sums Transforms. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 941-944	3.2	6
137	Automated Quantification of Low-Amplitude Abnormal QRS Peaks From High-Resolution ECG Recordings Predicts Arrhythmic Events in Patients With Cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017 , 10,	6.4	6
136	2013 ,		6
135	Knowledge-Based Green's Kernel for Support Vector Regression. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-16	1.1	6
134	Analysis of the electromyogram of rapid eye movement sleep using wavelet techniques. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 2659-62	0.9	6
133	Classification of knee-joint vibroarthrographic signals using time-domain and time-frequency domain features and least-squares support vector machine 2009 ,		6
132	Wavelet Kernel Principal Component Analysis in Noisy Multiscale Data Classification 2012 , 2012, 1-13		6
131	Audio watermarking time-frequency characteristics. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2003 , 28, 57-61	1.4	6
130	A Device-Independent Efficient Actigraphy Signal-Encoding System for Applications in Monitoring Daily Human Activities and Health. <i>Sensors</i> , 2018 , 18,	3.8	6
129	Trends in human activity recognition with focus on machine learning and power requirements. <i>Machine Learning With Applications</i> , 2021 , 5, 100072	6.5	6
128	Robust QRS detection for HRV estimation from compressively sensed ECG measurements for remote health-monitoring systems. <i>Physiological Measurement</i> , 2018 , 39, 035002	2.9	5
127	Feature analysis of dysphonia speech for monitoring Parkinson's disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 2308-2311	0.9	5
126	2013 ,		5
125	Automated detection of nocturnal slow eye movements modulated by selective serotonin reuptake inhibitors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011 , 35, 126-30	5.5	5
124	Sleep EMG analysis using sparse signal representation and classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3480-3	0.9	5
123	Time-Width Versus Frequency Band Mapping of Energy Distributions. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 978-989	4.8	5

122	Physiological Signal Analysis and Classification of Stress from Virtual Reality Video Game. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2020, 2020, 867-870</i>	0.9	5
121	Deep Learning of EEG Time-Frequency Representations for Identifying Eye States. <i>Advances in Data Science and Adaptive Analysis, 2018, 10, 1840006</i>	0.1	5
120	Robust identification of QRS-complexes in electrocardiogram signals using a combination of interval and trigonometric threshold values. <i>Biomedical Signal Processing and Control, 2020, 61, 102007</i>	4.9	4
119	Sound event detection in real-life audio using joint spectral and temporal features. <i>Signal, Image and Video Processing, 2018, 12, 1345-1352</i>	1.6	4
118	Feature-based MRI data fusion for cardiac arrhythmia studies. <i>Computers in Biology and Medicine, 2016, 72, 13-21</i>	7	4
117	New channel model for wireless body area network with compressed sensing theory. <i>IET Wireless Sensor Systems, 2013, 3, 85-92</i>	1.6	4
116	A high reliability detection algorithm for wireless ECG systems based on compressed sensing theory. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013, 4722-5</i>	0.9	4
115	Exploiting the ambiguity domain for non-stationary biomedical signal classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 1934-7</i>	0.9	4
114	Discriminative time-frequency kernels for gait analysis for amyotrophic lateral sclerosis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011, 2011, 2683-6</i>	0.9	4
113	Supervised retinal biometrics in different lighting conditions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011, 2011, 3971-4</i>	0.9	4
112	Spatio-temporal Just Noticeable Distortion Model Guided Video Watermarking. <i>Lecture Notes in Computer Science, 2009, 887-897</i>	0.9	4
111	An adaptive classifier fusion method for analysis of knee-joint vibroarthrographic signals 2009,		4
110	Articulation and Empirical Mode Decomposition Features in Diadochokinetic Exercises for the Speech Assessment of Parkinson Disease Patients. <i>Lecture Notes in Computer Science, 2019, 688-696</i>	0.9	4
109	Hierarchical decomposition based on a variation of empirical mode decomposition. <i>Signal, Image and Video Processing, 2017, 11, 793-800</i>	1.6	3
108	Actigraphic detection of periodic limb movements: development and validation of a potential device-independent algorithm. A proof of concept study. <i>Sleep, 2019, 42,</i>	1.1	3
107	Nonnegative matrix factorization and sparse representation for the automated detection of periodic limb movements in sleep. <i>Medical and Biological Engineering and Computing, 2016, 54, 1641-1654</i> ^{3,1}		3
106	Non-stationary signal feature characterization using adaptive dictionaries and non-negative matrix factorization. <i>Signal, Image and Video Processing, 2016, 10, 1025-1032</i>	1.6	3
105	Analysis of electrooculography signals for the detection of Myasthenia Gravis. <i>Clinical Neurophysiology, 2019, 130, 2105-2113</i>	4.3	3

104	Performance of compressive sensing for the reconstruction of different QRS pulses in ECG signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2017, 2017, 825-828</i>	0.9	3
103	Localization of brain activities using multiway analysis of EEG tensor via EMD and reassigned TF representation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 113-6</i>	0.9	3
102	Sparse principal component extraction and classification of long-term biomedical signals 2012,		3
101	Chin EMG analysis for REM sleep behavior disorders 2012,		3
100	Learning sparse dictionary for long-term biomedical signal classification and clustering 2012,		3
99	Non-negative matrix factorization and sparse representation for sleep signal classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2013, 2013, 4318-21</i>	0.9	3
98	Audio feature clustering for hearing aid systems 2009,		3
97	A video-driven just noticeable distortion profile for watermarking 2009,		3
96	Signal classification via multi-scale PCA and empirical classification methods. <i>International Journal of Mechatronics and Automation, 2011, 1, 213</i>	0.2	3
95	Parametric Time-Frequency Analysis and Its Applications in Music Classification. <i>Eurasip Journal on Advances in Signal Processing, 2010, 2010,</i>	1.9	3
94	CN Tower Lightning Current Derivative Heidler Model Analysis and Transmission 2008,		3
93	Perceptual Coding of Audio Signals Using Adaptive Time-Frequency Transform. <i>Eurasip Journal on Audio, Speech, and Music Processing, 2007, 2007, 1-14</i>	2.3	3
92	Model Based Sparse Feature Extraction for Biomedical Signal Classification. <i>International Journal of Statistics in Medical Research, 2017, 6, 10-21</i>	3	3
91	Region, Lesion and Border-Based Multiresolution Analysis of Mammogram Lesions. <i>Lecture Notes in Computer Science, 2009, 802-813</i>	0.9	3
90	An Artificial-Neural-Network-Based Multiple Classifier System for Knee-Joint Vibration Signal Classification. <i>Lecture Notes in Electrical Engineering, 2011, 235-242</i>	0.2	3
89	Sparse Signal Analysis Using Ramanujan Sums. <i>Lecture Notes in Computer Science, 2013, 450-456</i>	0.9	3
88	Task-Specific Tremor Quantification in a Clinical Setting for Parkinson's Disease. <i>Journal of Medical and Biological Engineering, 2020, 40, 821-850</i>	2.2	3
87	Audio texture and age-wise analysis of disordered speech in children having specific language impairment. <i>Biomedical Signal Processing and Control, 2021, 66, 102471</i>	4.9	3

86	Electrophysiological Cardiac Modeling: A Review. <i>Critical Reviews in Biomedical Engineering</i> , 2016 , 44, 99-122	1.1	3
85	Increased beat-to-beat T-wave variability in myocardial infarction patients. <i>Biomedizinische Technik</i> , 2018 , 63, 123-130	1.3	2
84	Compressive sensing of ECG signals based on mixed pseudonorm of the first- and second-order differences 2014 ,		2
83	Low Sampling-rate Approach for ECG Signals with Compressed Sensing Theory. <i>Procedia Computer Science</i> , 2013 , 19, 281-288	1.6	2
82	Ramanujan sums-wavelet transform for signal analysis 2013 ,		2
81	Reviving the maximum likelihood method for detecting dominant periodicities from near-periodic signals 2013 ,		2
80	Towards a low-cost point-of-care screening platform for electronic auscultation of vital body sounds 2017 ,		2
79	Noise distribution and denoising of current density images. <i>Journal of Medical Imaging</i> , 2015 , 2, 024005	2.6	2
78	RAMANUJAN SUMS FOR IMAGE PATTERN ANALYSIS. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2014 , 12, 1450003	0.9	2
77	Foot gait time series estimation based on support vector machine. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6410-3	0.9	2
76	2014 ,		2
75	Pathological speech signal analysis using time-frequency approaches. <i>Critical Reviews in Biomedical Engineering</i> , 2012 , 40, 63-95	1.1	2
74	Illumination Invariant Face Recognition. <i>Lecture Notes in Computer Science</i> , 2013 , 385-391	0.9	2
73	Audio scene analysis using parametric signal features 2011 ,		2
72	Pattern Classification of Signals Using Fisher Kernels. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-15	1.1	2
71	Adaptive time-frequency signal analysis and its case study in biomedical ecgwaveform analysis 2009 ,		2
70	An audio watermarking method based on molecular matching pursuit 2008 ,		2
69	Multiresolution analysis and classification of small bowel medical images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 4524-7		2

68	Computational Intelligence Techniques and their Applications in Content-Based Image Retrieval 2006,		2
67	Circular Projection for Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2013 , 429-436	0.9	2
66	Screening and analysis of specific language impairment in young children by analyzing the textures of speech signal. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 964-967	0.9	2
65	Advanced analysis of biomedical signals 2021 , 157-222		2
64	Opportunities for connected healthcare 2021 , 1-30		2
63	Clustering and Feature Analysis of Smartphone Data for Depression Monitoring. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 113-116	0.9	2
62	Development of a Toolkit for Online Analysis of Facial Emotion. <i>IFMBE Proceedings</i> , 2019 , 619-625	0.2	1
61	Body surface distribution of T wave alternans is modulated by heart rate and ventricular activation sequence in patients with cardiomyopathy. <i>PLoS ONE</i> , 2019 , 14, e0214729	3.7	1
60	Detection of myasthenia gravis using electrooculography signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 896-899	0.9	1
59	Efficient compressive sensing of ECG segments based on machine learning for QRS-based arrhythmia detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 4731-4734	0.9	1
58	Modeling Current Density Maps Using Aliev-Panfilov Electrophysiological Heart Model. <i>Cardiovascular Engineering and Technology</i> , 2016 , 7, 238-53	2.2	1
57	Motor Imagery Classification with Covariance Matrices and Non-Negative Matrix Factorization. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3083-3086	0.9	1
56	Robust Ultra-Low-Power Algorithm for Normal and Abnormal ECG Signals Based on Compressed Sensing Theory. <i>Procedia Computer Science</i> , 2013 , 19, 206-213	1.6	1
55	Technology for continuous long-term monitoring of pregnant women for safe childbirth 2017 ,		1
54	Small bowel image classification using dual tree complex wavelet-based cross co-occurrence features and canonical discriminant analysis 2015 ,		1
53	A new approach for SSVEP detection using PARAFAC and canonical correlation analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6174-7	0.9	1
52	Minimum noiseless description length (MNDL) based regularization parameter selection 2012 ,		1
51	Towards robust speech-based emotion recognition 2010 ,		1

50	Computer-assisted method for quantifying sleep eye movements that reflects medication effects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 1347-50</i>	0.9	1
49	Efficacy of noncontact mapping in detecting epicardial activation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 1901-4</i>	0.9	1
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47	Identifying the potential for failure of businesses in the technology, pharmaceutical and banking sectors using kernel-based machine learning methods 2009,		1
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