

# Sridhar Krishnan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-29

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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	Comprehending the impact of deep learning algorithms on optimizing for recurring impediments associated with stress prediction using ECG data through statistical analysis. <i>Biomedical Signal Processing and Control</i> , <b>2022</b> , 74, 103484	4.9	0
228	Visual saliency detection approach for long-term ECG analysis. <i>Computer Methods and Programs in Biomedicine</i> , <b>2022</b> , 213, 106518	6.9	0
227	Empirical Mode Decomposition articulation feature extraction on Parkinson's Diadochokinesia. <i>Computer Speech and Language</i> , <b>2022</b> , 72, 101322	2.8	
226	Acoustic Scene Classification Using Time-Frequency Energy Emphasis and Convolutional Recurrent Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 267-276	0.4	
225	Multimodal System for Audio Scene Source Counting and Analysis. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2022</b> , 30, 1073-1082	3.6	0
224	Audio texture analysis of COVID-19 cough, breath, and speech sounds. <i>Biomedical Signal Processing and Control</i> , <b>2022</b> , 76, 103703	4.9	0
223	ECG Dry-electrode 3D Printing and Signal Quality Considerations. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 6855-6858	0.9	0
222	Audio texture and age-wise analysis of disordered speech in children having specific language impairment. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 66, 102471	4.9	3
221	Applying Neural Style Transfer to Spectrograms of Environmental Audio. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 313-322	0.3	
220	Grad-CAM-Based Classification of Chest X-Ray Images of Pneumonia Patients. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 161-174	0.3	0
219	Advanced analysis of biomedical signals <b>2021</b> , 157-222		2
218	Data connectivity and application scenarios <b>2021</b> , 265-316		
217	Opportunities for connected healthcare <b>2021</b> , 1-30		2
216	Wearables design <b>2021</b> , 31-84		1
215	Biomedical signals and systems <b>2021</b> , 85-127		
214	Trends in Heart-Rate Variability Signal Analysis. <i>Frontiers in Digital Health</i> , <b>2021</b> , 3, 639444	2.3	11
213	SARdB: A dataset for audio scene source counting and analysis. <i>Applied Acoustics</i> , <b>2021</b> , 178, 107985	3.1	1

212	Trends in human activity recognition with focus on machine learning and power requirements. <i>Machine Learning With Applications</i> , <b>2021</b> , 5, 100072	6.5	6
211	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> , <b>2021</b> , 2021, 113-116	0.9	2
210	Feature Analysis and Hierarchical Classification of Anxiety Severity during early COVID-19. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 1678-1681	0.9	0
209	Comparison of Empirical Mode Decomposition, Wavelets, and Different Machine Learning Approaches for Patient-Specific Seizure Detection Using Signal-Derived Empirical Dictionary Approach.. <i>Frontiers in Digital Health</i> , <b>2021</b> , 3, 738996	2.3	0
208	Robust identification of QRS-complexes in electrocardiogram signals using a combination of interval and trigonometric threshold values. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 61, 102007	4.9	4
207	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> , <b>2020</b> , 28, 988-996	4.8	13
206	Towards an Effective Motor Imagery Based-BCI with Calibration Through Activation of Central and Peripheral Mechanisms of Lower-Limbs <b>2020</b> ,		1
205	Applications of BCIs <b>2020</b> , 61-76		
204	Group sparse structure and elastic-net regularization for compressive sensing of pulse-type physiological signals. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 57, 101685	4.9	1
203	Reply to "Viability of electro-oculogram signal processing for diagnosing myasthenia remains elusive". <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 348-349	4.3	
202	A singular spectrum analysis-based model-free electrocardiogram denoising technique. <i>Computer Methods and Programs in Biomedicine</i> , <b>2020</b> , 188, 105304	6.9	7
201	Task-Specific Tremor Quantification in a Clinical Setting for Parkinson's Disease. <i>Journal of Medical and Biological Engineering</i> , <b>2020</b> , 40, 821-850	2.2	3
200	Trends in Compressive Sensing for EEG Signal Processing Applications. <i>Sensors</i> , <b>2020</b> , 20,	3.8	11
199	A Singular Spectrum Analysis-Based Data-Driven Technique for the Removal of Cardiogenic Oscillations in Esophageal Pressure Signals. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2020</b> , 8, 3300211	3	1
198	Shoulder Flexion Pre-Movement Recognition Through Subject-Specific Brain Regions to Command an Upper Limb Exoskeleton. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 3848-3851	0.9	1
197	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</i> , <b>2020</b> , 2020, 867-870	0.9	5
196	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> , <b>2020</b> , 2020, 964-967	0.9	2
195	A telehealth system framework for assessing knee-joint conditions using vibroarthrographic signals. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 55, 101580	4.9	10

194	Trends in audio signal feature extraction methods. <i>Applied Acoustics</i> , <b>2020</b> , 158, 107020	3.1	69
193	Subject-specific EEG channel selection using non-negative matrix factorization for lower-limb motor imagery recognition. <i>Journal of Neural Engineering</i> , <b>2020</b> , 17, 026029	5	18
192	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> , <b>2020</b> , 24, 669-680	7.2	10
191	Actigraphic detection of periodic limb movements: development and validation of a potential device-independent algorithm. A proof of concept study. <i>Sleep</i> , <b>2019</b> , 42,	1.1	3
190	Development of a Toolkit for Online Analysis of Facial Emotion. <i>IFMBE Proceedings</i> , <b>2019</b> , 619-625	0.2	1
189	Identification of Kinematic Parameters of Stroke Gait Using Accelerometer. <i>IFMBE Proceedings</i> , <b>2019</b> , 261-267	0.2	
188	Augmenting Dysphonia Voice Using Fourier-based Synchrosqueezing Transform for a CNN Classifier <b>2019</b> ,		8
187	Body surface distribution of T wave alternans is modulated by heart rate and ventricular activation sequence in patients with cardiomyopathy. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214729	3.7	1
186	Time-Frequency Distributions in Biomedical Signal Processing <b>2019</b> , 177-192		
185	Analysis of electrooculography signals for the detection of Myasthenia Gravis. <i>Clinical Neurophysiology</i> , <b>2019</b> , 130, 2105-2113	4.3	3
184	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> , <b>2019</b> , 2019, 3083-3086	0.9	1
183	Articulation and Empirical Mode Decomposition Features in Diadochokinetic Exercises for the Speech Assessment of Parkinson Disease Patients. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 688-696	0.9	4
182	System based on subject-specific bands to recognize pedaling motor imagery: towards a BCI for lower-limb rehabilitation. <i>Journal of Neural Engineering</i> , <b>2019</b> , 16, 056005	5	17
181	Feature Extraction of Epileptic EEG using Wavelet Power Spectra and Functional PCA. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2019</b> , 2019, 2551-2554	0.9	
180	Sound event detection in real-life audio using joint spectral and temporal features. <i>Signal, Image and Video Processing</i> , <b>2018</b> , 12, 1345-1352	1.6	4
179	Robust QRS detection for HRV estimation from compressively sensed ECG measurements for remote health-monitoring systems. <i>Physiological Measurement</i> , <b>2018</b> , 39, 035002	2.9	5
178	Trends in biomedical signal feature extraction. <i>Biomedical Signal Processing and Control</i> , <b>2018</b> , 43, 41-63	4.9	57
177	Increased beat-to-beat T-wave variability in myocardial infarction patients. <i>Biomedizinische Technik</i> , <b>2018</b> , 63, 123-130	1.3	2

176	Clustering Parkinson's and Age-Related Voice Impairment Signal Features for Unsupervised Learning. <i>Advances in Data Science and Adaptive Analysis</i> , <b>2018</b> , 10, 1840007	0.1	6
175	Patient-specific seizure detection in long-term EEG using wavelet decomposition. <i>Biomedical Signal Processing and Control</i> , <b>2018</b> , 46, 157-165	4.9	21
174	Wearable Hardware Design for the Internet of Medical Things (IoMT). <i>Sensors</i> , <b>2018</b> , 18,	3.8	62
173	Integrated Signal Encoding and Analysis System for Actigraphy-based Long-term Monitoring of Periodic Limb Movements in Sleep. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 4435-4439	0.9	
172	Deep Learning of EEG Time-Frequency Representations for Identifying Eye States. <i>Advances in Data Science and Adaptive Analysis</i> , <b>2018</b> , 10, 1840006	0.1	5
171	A Device-Independent Efficient Actigraphy Signal-Encoding System for Applications in Monitoring Daily Human Activities and Health. <i>Sensors</i> , <b>2018</b> , 18,	3.8	6
170	Patient-specific seizure detection in long-term EEG using signal-derived empirical mode decomposition (EMD)-based dictionary approach. <i>Journal of Neural Engineering</i> , <b>2018</b> , 15, 056004	5	21
169	Biosignal monitoring using wearables: Observations and opportunities. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 38, 22-33	4.9	46
168	Combining Temporal Features by Local Binary Pattern for Acoustic Scene Classification. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2017</b> , 25, 1315-1321	3.6	30
167	Hierarchical decomposition based on a variation of empirical mode decomposition. <i>Signal, Image and Video Processing</i> , <b>2017</b> , 11, 793-800	1.6	3
166	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> , <b>2017</b> , 10,	6.4	6
165	Technology for continuous long-term monitoring of pregnant women for safe childbirth <b>2017</b> ,		1
164	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> , <b>2017</b> , 2017, 2794-2797	0.9	7
163	Advanced signal analysis for the detection of periodic limb movements from bilateral ankle actigraphy. <i>Journal of Sleep Research</i> , <b>2017</b> , 26, 14-20	5.8	10
162	Quantification of fragmented QRS complex using intrinsic time-scale decomposition. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 31, 513-523	4.9	13
161	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</i> , <b>2017</b> , 2017, 825-828	0.9	3
160	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> , <b>2017</b> , 2017, 2308-2311	0.9	5
159	Towards a low-cost point-of-care screening platform for electronic auscultation of vital body sounds <b>2017</b> ,		2

158	Adaptive Spatial Filter Based on Similarity Indices to Preserve the Neural Information on EEG Signals during On-Line Processing. <i>Sensors</i> , <b>2017</b> , 17,	3.8	18
157	Model Based Sparse Feature Extraction for Biomedical Signal Classification. <i>International Journal of Statistics in Medical Research</i> , <b>2017</b> , 6, 10-21	3	3
156	Watermarking and Fingerprinting Techniques for Multimedia Protection <b>2017</b> , 419-458		
155	Fundamental Methods in Image Processing <b>2017</b> , 29-76		
154	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> , <b>2016</b> , 10, 113-120	1.6	18
153	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> , <b>2016</b> , 2016, 896-899	0.9	1
152	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> , <b>2016</b> , 2016, 4731-4734	0.9	1
151	Modeling Current Density Maps Using Aliev-Panfilov Electrophysiological Heart Model. <i>Cardiovascular Engineering and Technology</i> , <b>2016</b> , 7, 238-53	2.2	1
150	Compressive Sensing of Foot Gait Signals and Its Application for the Estimation of Clinically Relevant Time Series. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1401-15	5	9
149	Nonnegative matrix factorization and sparse representation for the automated detection of periodic limb movements in sleep. <i>Medical and Biological Engineering and Computing</i> , <b>2016</b> , 54, 1641-1654	3.1	3
148	An independent-BCI based on SSVEP using Figure-Ground Perception (FGP). <i>Biomedical Signal Processing and Control</i> , <b>2016</b> , 26, 69-79	4.9	15
147	Feature-based MRI data fusion for cardiac arrhythmia studies. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 72, 13-21	7	4
146	Non-stationary signal feature characterization using adaptive dictionaries and non-negative matrix factorization. <i>Signal, Image and Video Processing</i> , <b>2016</b> , 10, 1025-1032	1.6	3
145	CANDECOMP/PARAFAC model order selection based on Reconstruction Error in the presence of Kronecker structured colored noise <b>2016</b> , 48, 12-26		11
144	Electrophysiological Cardiac Modeling: A Review. <i>Critical Reviews in Biomedical Engineering</i> , <b>2016</b> , 44, 99-122	1.1	3
143	Multi-domain feature selection in auditory MisMatch Negativity via PARAFAC-based template matching approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 1603-1607	0.9	0
142	Compressive sensing of foot-gait signals by enhancing group block-sparse structure on the first-order difference. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 3700-3703	0.9	1
141	Beat-to-beat T-wave alternans detection using the Ensemble Empirical Mode Decomposition method. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 77, 1-8	7	7

140	Analysis of electrocardiogram pre-shock waveforms during ventricular fibrillation. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 21, 26-33	4.9	6
139	Improved T-wave Alternans Detection in ECG Signals. <i>IFMBE Proceedings</i> , <b>2015</b> , 1043-1047	0.2	
138	Low sampling rate algorithm for wireless ECG systems based on compressed sensing theory. <i>Signal, Image and Video Processing</i> , <b>2015</b> , 9, 527-533	1.6	8
137	A Review of Sleep Disorder Diagnosis by Electromyogram Signal Analysis. <i>Critical Reviews in Biomedical Engineering</i> , <b>2015</b> , 43, 1-20	1.1	10
136	Robust compressive sensing algorithm for wireless surface electromyography applications. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 20, 100-106	4.9	10
135	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</i> , <b>2015</b> , 2015, 113-6	0.9	3
134	Noise distribution and denoising of current density images. <i>Journal of Medical Imaging</i> , <b>2015</b> , 2, 024005	2.6	2
133	Small bowel image classification using dual tree complex wavelet-based cross co-occurrence features and canonical discriminant analysis <b>2015</b> ,		1
132	Smart metering and functionalities of smart meters in smart grid - a review <b>2015</b> ,		38
131	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> , <b>2015</b> , 2015, 6174-7	0.9	1
130	Wavelet-based characterization of gait signal for neurological abnormalities. <i>Gait and Posture</i> , <b>2015</b> , 41, 634-9	2.6	25
129	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> , <b>2014</b> , 8, 293-302	5.1	32
128	Compressive sensing of ECG signals based on mixed pseudonorm of the first- and second-order differences <b>2014</b> ,		2
127	LibD3C: Ensemble classifiers with a clustering and dynamic selection strategy. <i>Neurocomputing</i> , <b>2014</b> , 123, 424-435	5.4	199
126	Dynamic principal component analysis with nonoverlapping moving window and its applications to epileptic EEG classification. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 419308	2.2	10
125	RAMANUJAN SUMS FOR IMAGE PATTERN ANALYSIS. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , <b>2014</b> , 12, 1450003	0.9	2
124	Effective low-power wearable wireless surface EMG sensor design based on analog-compressed sensing. <i>Sensors</i> , <b>2014</b> , 14, 24305-28	3.8	12
123	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> , <b>2014</b> , 2014, 6410-3	0.9	2

122	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, 2014, 98-101</i>	0.9	7
121	<b>2014,</b>		2
120	Effective dysphonia detection using feature dimension reduction and kernel density estimation for patients with Parkinson's disease. <i>PLoS ONE, 2014, 9, e88825</i>	3.7	30
119	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
118	Low Sampling-rate Approach for ECG Signals with Compressed Sensing Theory. <i>Procedia Computer Science, 2013, 19, 281-288</i>	1.6	2
117	Wavelet-based sparse functional linear model with applications to EEGs seizure detection and epilepsy diagnosis. <i>Medical and Biological Engineering and Computing, 2013, 51, 49-60</i>	3.1	76
116	Localized rotational activation in the left atrium during human atrial fibrillation: relationship to complex fractionated atrial electrograms and low-voltage zones. <i>Heart Rhythm, 2013, 10, 1830-8</i>	6.7	58
115	Small bowel image classification based on Fourier-Zernike moment features and canonical discriminant analysis. <i>Pattern Recognition and Image Analysis, 2013, 23, 211-216</i>	1	8
114	Ramanujan sums-wavelet transform for signal analysis <b>2013,</b>		2
113	Reviving the maximum likelihood method for detecting dominant periodicities from near-periodic signals <b>2013,</b>		2
112	Matrix-Based Ramanujan-Sums Transforms. <i>IEEE Signal Processing Letters, 2013, 20, 941-944</i>	3.2	6
111	Visual saliency's modulatory effect on just noticeable distortion profile and its application in image watermarking. <i>Signal Processing: Image Communication, 2013, 28, 917-928</i>	2.8	13
110	Robust Ultra-Low-Power Algorithm for Normal and Abnormal ECG Signals Based on Compressed Sensing Theory. <i>Procedia Computer Science, 2013, 19, 206-213</i>	1.6	1
109	Pathological speech signal analysis and classification using empirical mode decomposition. <i>Medical and Biological Engineering and Computing, 2013, 51, 811-21</i>	3.1	16
108	Reconstruction of ECG signals for compressive sensing by promoting sparsity on the gradient <b>2013,</b>		9
107	<b>2013,</b>		6
106	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
105	<b>2013,</b>		5



104	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
103	Illumination Invariant Face Recognition. <i>Lecture Notes in Computer Science, 2013, 385-391</i>	0.9	2
102	Knee joint vibration signal analysis with matching pursuit decomposition and dynamic weighted classifier fusion. <i>Computational and Mathematical Methods in Medicine, 2013, 2013, 904267</i>	2.8	32
101	Circular Projection for Pattern Recognition. <i>Lecture Notes in Computer Science, 2013, 429-436</i>	0.9	2
100	Sparse Signal Analysis Using Ramanujan Sums. <i>Lecture Notes in Computer Science, 2013, 450-456</i>	0.9	3
99	Robust Low-Power Algorithm for Random Sensing Matrix for Wireless ECG Systems Based on Low Sampling-Rate Approach. <i>Journal of Signal and Information Processing, 2013, 04, 125-131</i>	0.6	0
98	Measuring the power efficiency of subthreshold FPGAs for implementing portable biomedical applications. <i>Microprocessors and Microsystems, 2012, 36, 151-158</i>	2.4	0
97	Sparse principal component extraction and classification of long-term biomedical signals <b>2012,</b>		3
96	Minimum noiseless description length (MNDL) based regularization parameter selection <b>2012,</b>		1
95	Chin EMG analysis for REM sleep behavior disorders <b>2012,</b>		3
94	Low Power Wireless Body Area Networks with Compressed sensing theory <b>2012,</b>		11
93	Wireless Body Area Networks with compressed sensing theory <b>2012,</b>		12
92	Time-Frequency Analysis via Ramanujan Sums. <i>IEEE Signal Processing Letters, 2012, 19, 352-355</i>	3.2	30
91	Learning sparse dictionary for long-term biomedical signal classification and clustering <b>2012,</b>		3
90	Robust Wireless Sensor Networks with Compressed Sensing Theory. <i>Communications in Computer and Information Science, 2012, 608-619</i>	0.3	10
89	Discriminant non-stationary signal features clustering using hard and fuzzy cluster labeling. <i>Eurasip Journal on Advances in Signal Processing, 2012, 2012,</i>	1.9	10
88	Pathological speech signal analysis using time-frequency approaches. <i>Critical Reviews in Biomedical Engineering, 2012, 40, 63-95</i>	1.1	2
87	Signal feature extraction by multi-scale PCA and its application to respiratory sound classification. <i>Medical and Biological Engineering and Computing, 2012, 50, 759-68</i>	3.1	34

86	Log-frequency spectrogram for respiratory sound monitoring <b>2012,</b>		8
85	Characterization of fractionated electrograms using a novel time-frequency based algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2012, 2012, 6361-4</i>	0.9	
84	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, 2012, 2012, 3480-3</i>	0.9	5
83	Pattern Classification of Signals Using Fisher Kernels. <i>Mathematical Problems in Engineering, 2012, 2012, 1-15</i>	1.1	2
82	Wavelet Kernel Principal Component Analysis in Noisy Multiscale Data Classification <b>2012,</b> 2012, 1-13		6
81	Spatio-Temporal Just Noticeable Distortion Model Guided Video Watermarking <b>2012,</b> 66-84		
80	Real-time electrogram analysis for monitoring coronary blood flow during human ventricular fibrillation: implications for CPR. <i>Heart Rhythm, 2011, 8, 740-9</i>	6.7	9
79	Sparse approximation of long-term biomedical signals for classification via dynamic PCA. <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, 7167-70</i>	0.9	
78	Automated detection of nocturnal slow eye movements modulated by selective serotonin reuptake inhibitors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 126-30</i>	5.5	5
77	. <i>IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2197-2209</i>		82
76	Adventitious sounds identification and extraction using temporal-spectral dominance-based features. <i>IEEE Transactions on Biomedical Engineering, 2011, 58, 3078-87</i>	5	59
75	A combined just noticeable distortion model-guided image watermarking. <i>Signal, Image and Video Processing, 2011, 5, 517-526</i>	1.6	11
74	Signal decomposition by multi-scale PCA and its applications to long-term EEG signal classification <b>2011,</b>		9
73	Increasing the reliability of wireless sensor network with a new testing approach based on compressed sensing theory <b>2011,</b>		10
72	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, 2011, 23, 63-77</i>	2	38
71	Audio scene analysis using parametric signal features <b>2011,</b>		2
70	T wave alternans evaluation using adaptive time-frequency signal analysis and non-negative matrix factorization. <i>Medical Engineering and Physics, 2011, 33, 700-11</i>	2.4	17
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