

Aurobinda Routray

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.

176
papers

2,792
citations

26
h-index

48
g-index

213
ext. papers

3,617
ext. citations

3.3
avg, IF

5.83
L-index

#	Paper	IF	Citations
176	Automatic facial expression recognition using features of salient facial patches. <i>IEEE Transactions on Affective Computing</i> , 2015 , 6, 1-12	5.7	298
175	A novel Kalman filter for frequency estimation of distorted signals in power systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2002 , 51, 469-479	5.2	237
174	Power system frequency estimation using least mean square technique. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 1812-1816	4.3	179
173	EEG signal analysis for the assessment and quantification of driver's fatigue. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2010 , 13, 297-306	4.5	162
172	An extended complex Kalman filter for frequency measurement of distorted signals. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2000 , 49, 746-753	5.2	103
171	Databases, features and classifiers for speech emotion recognition: a review. <i>International Journal of Speech Technology</i> , 2018 , 21, 93-120	1.3	102
170	Wavelet fuzzy combined approach for fault classification of a series-compensated transmission line. <i>IEEE Transactions on Power Delivery</i> , 2004 , 19, 1612-1618	4.3	98
169	Fault Direction Estimation in Radial Distribution System Using Phase Change in Sequence Current. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 2065-2071	4.3	85
168	A Method for Detecting Half-Broken Rotor Bar in Lightly Loaded Induction Motors Using Current. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 1614-1625	5.2	70
167	A Vision-Based System for Monitoring the Loss of Attention in Automotive Drivers. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013 , 14, 1825-1838	6.1	59
166	Applying distance relay for voltage sag source detection. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 529-531	4.3	54
165	Filtered-s LMS algorithm for multichannel active control of nonlinear noise processes. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2006 , 14, 1875-1880		52
164	Fast and accurate algorithm for eye localisation for gaze tracking in low-resolution images. <i>IET Computer Vision</i> , 2016 , 10, 660-669	1.4	47
163	Fuzzy Histogram of Optical Flow Orientations for Micro-Expression Recognition. <i>IEEE Transactions on Affective Computing</i> , 2019 , 10, 394-406	5.7	44
162	A real time facial expression classification system using Local Binary Patterns 2012 ,		41
161	A score level fusion method for eye movement biometrics. <i>Pattern Recognition Letters</i> , 2016 , 82, 207-215	4.7	40
160	The Indian Spontaneous Expression Database for Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2017 , 8, 131-142	5.7	39

159	Higher order statistics-fuzzy integrated scheme for fault classification of a series-compensated transmission line. <i>IEEE Transactions on Power Delivery</i> , 2004 , 19, 891-893	4.3	32
158	Emotion recognition from Assamese speeches using MFCC features and GMM classifier 2008 ,		31
157	Functional network changes associated with sleep deprivation and fatigue during simulated driving: validation using blood biomarkers. <i>Clinical Neurophysiology</i> , 2011 , 122, 966-74	4.3	30
156	Effect of Sleep Deprivation on Functional Connectivity of EEG Channels. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 666-672	7.3	29
155	A real-time robust facial expression recognition system using HOG features 2016 ,		28
154	A Smartphone-Based Drowsiness Detection and Warning System for Automotive Drivers. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 4045-4054	6.1	28
153	"Omics" in oral cancer: New approaches for biomarker discovery. <i>Archives of Oral Biology</i> , 2018 , 87, 15-34.8		27
152	Vocal emotion recognition in five native languages of Assam using new wavelet features. <i>International Journal of Speech Technology</i> , 2009 , 12, 1-13	1.3	27
151	Low Complexity Motor Current Signature Analysis Using Sub-Nyquist Strategy With Reduced Data Length. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 3249-3259	5.2	26
150	Robust facial expression classification using shape and appearance features 2015 ,		24
149	Fast and accurate spectral estimation for online detection of partial broken bar in induction motors. <i>Mechanical Systems and Signal Processing</i> , 2018 , 98, 63-77	7.8	24
148	Well-Log and Seismic Data Integration for Reservoir Characterization: A Signal Processing and Machine-Learning Perspective. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 72-81	9.4	23
147	Nanoscale Surface Characterization of Human Erythrocytes by Atomic Force Microscopy: A Critical Review. <i>IEEE Transactions on Nanobioscience</i> , 2015 , 14, 625-33	3.4	21
146	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 1808-1820	4.7	21
145	A novel drowsiness detection scheme based on speech analysis with validation using simultaneous EEG recordings 2010 ,		20
144	Serum-based diagnostic prediction of oral submucous fibrosis using FTIR spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 189, 322-329	4.4	19
143	Driver Fatigue Detection Through Chaotic Entropy Analysis of Cortical Sources Obtained From Scalp EEG Signals. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 185-198	6.1	18
142	Well tops guided prediction of reservoir properties using modular neural network concept: A case study from western onshore, India. <i>Journal of Petroleum Science and Engineering</i> , 2014 , 123, 155-163	4.4	17

141	Highly Efficient Compression Algorithms for Multichannel EEG. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 957-968	4.8	17
140	Diagnostic and Prognostic Utility of Non-Invasive Multimodal Imaging in Chronic Wound Monitoring: a Systematic Review. <i>Journal of Medical Systems</i> , 2017 , 41, 46	5.1	16
139	Automated Alertness and Emotion Detection for Empathic Feedback during e-Learning 2013 ,		16
138	Human emotion recognition from facial thermal image based on fused statistical feature and multi-class SVM 2015 ,		15
137	A two-stage framework for denoising electrooculography signals. <i>Biomedical Signal Processing and Control</i> , 2017 , 31, 231-237	4.9	15
136	Fast Semi-Supervised Unmixing of Hyperspectral Image by Mutual Coherence Reduction and Recursive PCA. <i>Remote Sensing</i> , 2018 , 10, 1106	5	15
135	Sparsity measure based library aided unmixing of hyperspectral image. <i>IET Image Processing</i> , 2019 , 13, 2077-2085	1.7	14
134	An on-board vision based system for drowsiness detection in automotive drivers. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2013 , 5, 94-103	0.6	14
133	Infrared imaging based hyperventilation monitoring through respiration rate estimation. <i>Infrared Physics and Technology</i> , 2016 , 77, 382-390	2.7	14
132	Study of feature combination using HMM and SVM for multilingual Odiya speech emotion recognition. <i>International Journal of Speech Technology</i> , 2015 , 18, 387-393	1.3	12
131	An effective feature selection method based on pair-wise feature proximity for high dimensional low sample size data 2017 ,		11
130	Determining Autocorrelation Matrix Size and Sampling Frequency for MUSIC Algorithm. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1016-1020	3.2	11
129	Analysis of training parameters for classifiers based on Haar-like features to detect human faces 2011 ,		11
128	Emotion recognition from audio-visual data using rule based decision level fusion 2016 ,		11
127	A Portable Personality Recognizer Based on Affective State Classification Using Spectral Fusion of Features. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 330-342	5.7	11
126	Covariance Similarity Approach for Semiblind Unmixing of Hyperspectral Image. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 937-941	4.1	10
125	A Diffusion Filter Based Scheme to Denoise Seismic Attributes and Improve Predicted Porosity Volume. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 5265-5274	4.7	10
124	Method for Online Detection of Arcing in Low-Voltage Distribution Systems. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 1244-1252	4.3	9

123	A robust motifs based artifacts removal technique from EEG. <i>Biomedical Physics and Engineering Express</i> , 2017 , 3, 035010	1.5	9
122	Local Force Pattern (LFP): Descriptor for Heterogeneous Face Recognition. <i>Pattern Recognition Letters</i> , 2019 , 125, 63-70	4.7	9
121	A novel approach of speech emotion recognition with prosody, quality and derived features using SVM classifier for a class of North-Eastern Languages 2015 ,		9
120	Quantification of sand fraction from seismic attributes using Neuro-Fuzzy approach. <i>Journal of Applied Geophysics</i> , 2014 , 111, 141-155	1.7	9
119	Design and Performance Analysis of Fixed-point Jacobi SVD Algorithm on Reconfigurable System. <i>IERI Procedia</i> , 2014 , 7, 21-27		9
118	A neural network based feedback linearising controller for HVDC links. <i>Electric Power Systems Research</i> , 1999 , 50, 125-132	3.5	9
117	An unsupervised approach for overlapping cervical cell cytoplasm segmentation 2016 ,		9
116	A Human-Computer Interaction framework for emotion recognition through time-series thermal video sequences. <i>Computers and Electrical Engineering</i> , 2021 , 93, 107280	4.3	9
115	A Multimodal System for Assessing Alertness Levels Due to Cognitive Loading. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 1037-1046	4.8	8
114	A one-class classification framework using SVDD: Application to an imbalanced geological dataset 2014 ,		8
113	A biomedical approach to retrieve information on driver's fatigue by integrating EEG, ECG and blood biomarkers during simulated driving session 2012 ,		8
112	Power quality disturbances classification using support vector machines with optimised time-frequency kernels. <i>International Journal of Power Electronics</i> , 2012 , 4, 181	0.2	7
111	A non-rigid motion estimation algorithm for yawn detection in human drivers. <i>International Journal of Computational Vision and Robotics</i> , 2009 , 1, 89	0.7	7
110	Design of an energy function based fuzzy tuning controller for HVDC links. <i>International Journal of Electrical Power and Energy Systems</i> , 1999 , 21, 337-347	5.1	7
109	Spatial Spectral Regularized Local Scaling Cut for Dimensionality Reduction in Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 932-936	4.1	7
108	A Semisupervised Spatial Spectral Regularized Manifold Local Scaling Cut With HGF for Dimensionality Reduction of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3423-3435	8.1	6
107	Hyperspectral Unmixing by Nuclear Norm Difference Maximization based Dictionary Pruning 2017 ,		6
106	A critical comparison between SVM and k-SVM in the classification of Kriya Yoga meditation state-allied EEG 2016 ,		6

105	Efficacy of adaptive directed transfer function for neural connectivity estimation of EEG signal during meditation 2015 ,		6
104	A framework for human activity recognition based on accelerometer data 2014 ,		6
103	Video & EOG based investigation of pure saccades in human subjects 2012 ,		6
102	Data reduction and clustering techniques for fault detection and diagnosis in automotives 2010 ,		6
101	A Fast Edge Detection Algorithm for Road Boundary Extraction under Non-uniform Light Condition 2007 ,		6
100	A Computationally Efficient Winding Function Method for Calculation of Inductances in an Asymmetric Induction Motor. <i>Electric Power Components and Systems</i> , 2007 , 35, 43-61	1	6
99	Maximum efficiency of flexible AC transmission systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2006 , 28, 581-588	5.1	6
98	Recognizing Subtle Micro-facial Expressions Using Fuzzy Histogram of Optical Flow Orientations and Feature Selection Methods. <i>Studies in Computational Intelligence</i> , 2018 , 341-368	0.8	5
97	Mobile Application to Detect Induction Motor Faults. <i>IEEE Embedded Systems Letters</i> , 2017 , 9, 117-120	1	5
96	Assessment of Similarity Between Well Logs Using Synchronization Measures. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 2032-2036	4.1	5
95	Measurement of PERCLOS using eigen-eyes 2012 ,		5
94	Effect of sleep deprivation on estimated distributed sources for Scalp EEG signals: A case study on human drivers 2012 ,		5
93	A real time algorithm for detection of spectacles leading to eye detection 2012 ,		5
92	Band selection of hyperspectral image by sparse manifold clustering. <i>IET Image Processing</i> , 2019 , 13, 1625-1635	1.7	5
91	MFCC feature with optimized frequency range: An essential step for emotion recognition 2016 ,		5
90	. <i>IEEE Access</i> , 2019 , 7, 165692-165709	3.5	5
89	Fast Linear Unmixing of Hyperspectral Image by Slow Feature Analysis and Simplex Volume Ratio Approach 2019 ,		5
88	Minimum Distance-Based Detection of Incipient Induction Motor Faults Using Rayleigh Quotient Spectrum of Conditioned Vibration Signal. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	5

87	Convex Set Based Abundance Constrained Unmixing of Hyperspectral Image 2017 ,		4
86	Noise robust estimation of number of endmembers in a hyperspectral image by Eigenvalue based gap index 2016 ,		4
85	A Novel Preprocessing Method Based on Variational Mode Decomposition for Reservoir Characterization Using Support Vector Regression. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 3759-3768	4.7	4
84	A Novel Framework Based on SVDD to Classify Water Saturation from Seismic Attributes 2014 ,		4
83	Analysis of cognitive fatigue using EEG parameters. <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, 2554-2557	0.9	4
82	EMR signature analysis for health monitoring and early stage fault diagnosis of IGBT 2017 ,		4
81	A video database of human faces under near Infra-Red illumination for human computer interaction applications 2012 ,		4
80	An Energy Function Based Fuzzy Variable Step Size FxLMS Algorithm for Active Noise Control 2008 ,		4
79	Design of robust controllers for HVDC links in AC-DC power systems. <i>Electric Power Systems Research</i> , 1995 , 33, 201-209	3.5	4
78	Robust face recognition of inferior quality images using Local Gabor Phase Quantization 2016 ,		4
77	Study of prosodic feature extraction for multidialectal Odia speech emotion recognition 2016 ,		4
76	Topographical assessment of neurocortical connectivity by using directed transfer function and partial directed coherence during meditation. <i>Cognitive Processing</i> , 2018 , 19, 527-536	1.5	4
75	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 1192-1209	3.7	3
74	A novel multiclass SVM based framework to classify lithology from well logs: A real-world application 2015 ,		3
73	Estimation of Fatigue in Drivers by Analysis of Brain Networks 2014 ,		3
72	Complex brain networks using Visibility Graph synchronization 2013 ,		3
71	Implementation of real time Visual Attention Monitoring algorithm of human drivers on an embedded platform 2010 ,		3
70	Design of Support Vector Machines with Time Frequency Kernels for classification of EEG signals 2010 ,		3

69	Classification of brain states using principal components analysis of cortical EEG synchronization and HMM 2012 ,		3
68	Optimisation of features using evolutionary algorithm for EEG signal classification. <i>International Journal of Computational Vision and Robotics</i> , 2010 , 1, 297	0.7	3
67	Efficient tensor decomposition approach for estimation of the number of endmembers in a hyperspectral image. <i>Journal of Applied Remote Sensing</i> , 2020 , 14, 1	1.4	3
66	Generalised Orthogonal Partial Directed Coherence as a Measure of Neural Information Flow During Meditation. <i>Lecture Notes in Bioengineering</i> , 2015 , 137-148	0.8	3
65	Development of numerical linear algebra algorithms in dynamic fixed-point format: a case study of Lanczos tridiagonalization. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1222-1262	2	3
64	Evaluation of denoising techniques for EOG signals based on SNR estimation 2016 ,		3
63	Application of EMR Signature in Health Assessment and Monitoring of IGBT-Based Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1899-1906	7.2	3
62	. <i>IEEE Sensors Journal</i> , 2018 , 18, 10134-10144	4	3
61	Graph Manifold Clustering based Band Selection for Hyperspectral Face Recognition 2018 ,		3
60	A DCRNN-based ensemble classifier for speech emotion recognition in Odia language. <i>Complex & Intelligent Systems</i> , 1	7.1	3
59	State Estimation of Power System Signal using Constrained Optimized Algorithms-Comparative Analysis 2017 ,		2
58	Detecting Aggression in Voice Using Inverse Filtered Speech Features. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 217-226	5.7	2
57	Development of a wireless wearable electrooculogram recorder for IoT based applications 2017 ,		2
56	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 3186-3206	3.7	2
55	Vocal emotion recognition in five languages of Assam using features based on MFCCs and Eigen Values of Autocorrelation Matrix in presence of babble noise 2010 ,		2
54	Evolutionary algorithm based optimization for power quality disturbances classification using support vector machines. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 1306-1312	2.9	2
53	An Active Snake Model for Classification of Extreme Emotions 2006 ,		2
52	Design of a variable structure current regulator for weak AC/DC systems. <i>Electric Power Systems Research</i> , 1993 , 27, 49-59	3.5	2

51	Brain State Classification With Group l1 Norm Sparse PDC as Novel Features for EEG. <i>IEEE Sensors Journal</i> , 2021 , 21, 13506-13513	4	2
50	Certainty-Based Reduced Sparse Solution for Dense Array EEG Source Localization. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 172-178	4.8	2
49	A probabilistic neural network (PNN) based framework for lithology classification using seismic attributes. <i>Journal of Applied Geophysics</i> , 2022 , 199, 104578	1.7	2
48	A System for Noncontact Estimation of Cognitive Load Using Saccadic Parameters Based on a Serio-Parallel Computing Framework. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 450-459	3	1
47	An improved algorithm for eye corner detection 2016 ,		1
46	An analytical framework for area and switching power optimization of a fixed-point FFT algorithm 2014 ,		1
45	An ensemble metric learning scheme for face recognition 2017 ,		1
44	EEG Synchronization and Brain Networks. <i>International Journal of Biomedical and Clinical Engineering</i> , 2015 , 4, 1-11	0.7	1
43	Correlation of Estimated Sources in Human Brain Obtained by Source Localization Method with Waves Obtained by Telegrapher's Equation 2014 ,		1
42	Analysis of fatigue using EEG state-space analysis 2014 ,		1
41	Minimum variance estimators for enemy radar localization by Unmanned Aerial Vehicles 2014 ,		1
40	A constrained least squares algorithm for fast Blind Source Separation in a non-stationary mixing environment 2011 ,		1
39	A constrained sequential algorithm for source separation in a non-stationary environment using natural gradient 2011 ,		1
38	Estimation of Saccadic Ratio from eye image sequences to detect human alertness 2012 ,		1
37	A robust H-learning approach to blind separation of signals 2010 , 20, 410-416		1
36	Fast algorithms for designing variable FIR notch filters. <i>Numerical Linear Algebra With Applications</i> , 2007 , 14, 673-694	1.6	1
35	A Fast Edge Detection Algorithm for Road Boundary Extraction under Non-uniform Light Condition		1
34	Machine Learning Approach for Emotional Speech Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 490-501	0.9	1

33	Cardiac autonomic flexibility is associated with higher emotional intelligence. <i>Cogent Psychology</i> , 2020 , 7, 1870809	1	1
32	Study of Loss of Alertness and Driver Fatigue Using Visibility Graph Synchronization. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2016 , 171-193	0.4	1
31	Online Condition Monitoring of Traction Motor. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2016 , 489-523	0.5	1
30	Estimation of Autocorrelation Space for Classification of Bio-medical Signals. <i>Lecture Notes in Computer Science</i> , 2012 , 697-704	0.9	1
29	Direct estimation of multiple time-varying frequencies of non-stationary signals. <i>Signal Processing</i> , 2020 , 169, 107384	4.4	1
28	Detection of Power Theft in Low Voltage Distribution Systems: A Review from the Indian Perspective. <i>IETE Journal of Research</i> , 2020 , 1-18	0.9	1
27	A CNN-LSTM-based fault classifier and locator for underground cables. <i>Neural Computing and Applications</i> , 1	4.8	1
26	A thermographic method for detecting Respiratory Alkalosis by monitoring breath patterns 2016 ,		1
25	Inferring functional brain connectivity estimation of continuous and missing sample in meditation state-allied scalp EEG 2016 ,		1
24	Analysis of loss of alertness due to cognitive fatigue using motif synchronization of EEG records. <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, 1652-1655	0.9	1
23	Dual-threshold Based Local Patch Construction Method for Manifold Approximation And Its Application to Facial Expression Analysis 2019 ,		1
22	Localization of eye Saccadic signatures in Electrooculograms using sparse representations with data driven dictionaries. <i>Pattern Recognition Letters</i> , 2020 , 139, 104-111	4.7	1
21	Multi-directional local adjacency descriptors (MDLAD) for heterogeneous face recognition. <i>IET Image Processing</i> , 2020 , 14, 982-994	1.7	1
20	Multispectral Coherence Analysis for Better Fault Visualization in Seismic Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
19	A Variational Mode Decomposition Based Novel Preprocessing Method for Reservoir Characterization Using Support Vector Regression 2018 ,		1
18	QDF: A face database with varying quality. <i>Signal Processing: Image Communication</i> , 2019 , 74, 13-20	2.8	0
17	A robust H ₂ learning approach to blind separation of slowly time-varying mixture of acoustic electromechanical signals. <i>Mechanical Systems and Signal Processing</i> , 2009 , 23, 2049-2058	7.8	0
16	Library-aided bilinear unmixing of hyperspectral image using subspace clustering and multistep pruning. <i>Journal of Applied Remote Sensing</i> , 2019 , 13, 1	1.4	0

15	Alertness Monitoring System for Vehicle Drivers using Physiological Signals. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2016 , 273-311	0.5	0
14	GNN based Embedded Framework for Consumer Affect Recognition using Thermal Facial ROIs. <i>IEEE Consumer Electronics Magazine</i> , 2022 , 1-1	3.2	0
13	Parameter identification and co-estimation of state-of-charge of Li-ion battery in real-time on Internet-of-Things platform. <i>Journal of Energy Storage</i> , 2022 , 51, 104370	7.8	0
12	A Supervised Geometry-Aware Mapping Approach for Classification of Hyperspectral Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 582-586	4.1	
11	Source imaging of simple finger movements captured during auditory response tasks using space-time-frequency based sparsity constraints. <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, 4087-4092	0.9	
10	Dual estimation based vocal tract shape computation. <i>International Journal of Speech Technology</i> , 2019 , 22, 575-584	1.3	
9	Assessment of psychomotor performance in CaMK-II-4R tau mice: an insight into human tauopathies. <i>Future Neurology</i> , 2012 , 7, 773-783	1.5	
8	A procedure using support vector data description and mutual information for end price assessment in online C2C auction. <i>Electronic Commerce Research</i> , 2011 , 11, 321-340	2.1	
7	Sparse algorithms for EEG source localization. <i>Medical and Biological Engineering and Computing</i> , 2021 , 59, 2325-2352	3.1	
6	Cross-Lingual Vocal Emotion Recognition in Five Native Languages of Assam Using Eigenvalue Decomposition. <i>Lecture Notes in Computer Science</i> , 2009 , 519-524	0.9	
5	Multimodal prediction of trait emotional intelligence-Through affective changes measured using non-contact based physiological measures. <i>PLoS ONE</i> , 2021 , 16, e0254335	3.7	
4	Simplified Face Quality Assessment (SFQA). <i>Pattern Recognition Letters</i> , 2021 , 147, 108-114	4.7	
3	A Simple Method to Localize and Monitor the Emissive Sources in a Converter Panel. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2667-2675	8.9	
2	Piecewise empirical mode Bayesian estimation [A new method to denoise electrooculograms. <i>Biomedical Signal Processing and Control</i> , 2021 , 70, 102945	4.9	
1	A two-stage adaptive symmetric-strong-tracking square-root cubature Kalman filter for harmonics and interharmonics estimation. <i>Electric Power Systems Research</i> , 2022 , 210, 108133	3.5	