

Aurobinda Routray

List of Publications by Year in Descending Order

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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	GNN based Embedded Framework for Consumer Affect Recognition using Thermal Facial ROIs. <i>IEEE Consumer Electronics Magazine</i> , 2022 , 1-1	3.2	0
175	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
174	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
173	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	
172	Sparse algorithms for EEG source localization. <i>Medical and Biological Engineering and Computing</i> , 2021 , 59, 2325-2352	3.1	
171	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
170	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	
169	Simplified Face Quality Assessment (SFQA). <i>Pattern Recognition Letters</i> , 2021 , 147, 108-114	4.7	
168	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	
167	Multispectral Coherence Analysis for Better Fault Visualization in Seismic Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
166	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
165	Piecewise empirical mode Bayesian estimation [A new method to denoise electrooculograms. <i>Biomedical Signal Processing and Control</i> , 2021 , 70, 102945	4.9	
164	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
163	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
162	Cardiac autonomic flexibility is associated with higher emotional intelligence. <i>Cogent Psychology</i> , 2020 , 7, 1870809	1	1
161	Direct estimation of multiple time-varying frequencies of non-stationary signals. <i>Signal Processing</i> , 2020 , 169, 107384	4.4	1
160	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

159	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
158	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
157	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
156	Multi-directional local adjacency descriptors (MDLAD) for heterogeneous face recognition. <i>IET Image Processing</i> , 2020 , 14, 982-994	1.7	1
155	Covariance Similarity Approach for Semiblind Unmixing of Hyperspectral Image. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 937-941	4.1	10
154	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
153	QDF: A face database with varying quality. <i>Signal Processing: Image Communication</i> , 2019 , 74, 13-20	2.8	0
152	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
151	Local Force Pattern (LFP): Descriptor for Heterogeneous Face Recognition. <i>Pattern Recognition Letters</i> , 2019 , 125, 63-70	4.7	9
150	Dual estimation based vocal tract shape computation. <i>International Journal of Speech Technology</i> , 2019 , 22, 575-584	1.3	
149	Sparsity measure based library aided unmixing of hyperspectral image. <i>IET Image Processing</i> , 2019 , 13, 2077-2085	1.7	14
148	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
147	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
146	Band selection of hyperspectral image by sparse manifold clustering. <i>IET Image Processing</i> , 2019 , 13, 1625-1635	1.7	5
145	Dual-threshold Based Local Patch Construction Method for Manifold Approximation And Its Application to Facial Expression Analysis 2019 ,		1
144	. <i>IEEE Access</i> , 2019 , 7, 165692-165709	3.5	5
143	Fast Linear Unmixing of Hyperspectral Image by Slow Feature Analysis and Simplex Volume Ratio Approach 2019 ,		5
142	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

141	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
140	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
139	Fuzzy Histogram of Optical Flow Orientations for Micro-Expression Recognition. <i>IEEE Transactions on Affective Computing</i> , 2019 , 10, 394-406	5.7	44
138	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	
137	Databases, features and classifiers for speech emotion recognition: a review. <i>International Journal of Speech Technology</i> , 2018 , 21, 93-120	1.3	102
136	"Omics" in oral cancer: New approaches for biomarker discovery. <i>Archives of Oral Biology</i> , 2018 , 87, 15-34.	4.8	27
135	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
134	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
133	Detecting Aggression in Voice Using Inverse Filtered Speech Features. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 217-226	5.7	2
132	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
131	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
130	Fast Semi-Supervised Unmixing of Hyperspectral Image by Mutual Coherence Reduction and Recursive PCA. <i>Remote Sensing</i> , 2018 , 10, 1106	5	15
129	A Variational Mode Decomposition Based Novel Preprocessing Method for Reservoir Characterization Using Support Vector Regression 2018 ,		1
128	. <i>IEEE Sensors Journal</i> , 2018 , 18, 10134-10144	4	3
127	Graph Manifold Clustering based Band Selection for Hyperspectral Face Recognition 2018 ,		3
126	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
125	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
124	Highly Efficient Compression Algorithms for Multichannel EEG. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 957-968	4.8	17

123	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
122	The Indian Spontaneous Expression Database for Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2017 , 8, 131-142	5.7	39
121	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
120	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
119	A robust motifs based artifacts removal technique from EEG. <i>Biomedical Physics and Engineering Express</i> , 2017 , 3, 035010	1.5	9
118	State Estimation of Power System Signal using Constrained Optimized Algorithms-Comparative Analysis 2017 ,		2
117	Hyperspectral Unmixing by Nuclear Norm Difference Maximization based Dictionary Pruning 2017 ,		6
116	Convex Set Based Abundance Constrained Unmixing of Hyperspectral Image 2017 ,		4
115	Mobile Application to Detect Induction Motor Faults. <i>IEEE Embedded Systems Letters</i> , 2017 , 9, 117-120	1	5
114	Development of a wireless wearable electrooculogram recorder for IoT based applications 2017 ,		2
113	An effective feature selection method based on pair-wise feature proximity for high dimensional low sample size data 2017 ,		11
112	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
111	A two-stage framework for denoising electrooculography signals. <i>Biomedical Signal Processing and Control</i> , 2017 , 31, 231-237	4.9	15
110	An ensemble metric learning scheme for face recognition 2017 ,		1
109	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
108	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
107	EMR signature analysis for health monitoring and early stage fault diagnosis of IGBT 2017 ,		4
106	An improved algorithm for eye corner detection 2016 ,		1

105	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, 2016, 2016, 4087-4092</i>	0.9	
104	Noise robust estimation of number of endmembers in a hyperspectral image by Eigenvalue based gap index 2016,		4
103	A critical comparison between SVM and k-SVM in the classification of Kriya Yoga meditation state-allied EEG 2016,		6
102	A score level fusion method for eye movement biometrics. <i>Pattern Recognition Letters, 2016, 82, 207-215</i>	1.7	40
101	Alertness Monitoring System for Vehicle Drivers using Physiological Signals. <i>Advances in Civil and Industrial Engineering Book Series, 2016, 273-311</i>	0.5	0
100	Study of Loss of Alertness and Driver Fatigue Using Visibility Graph Synchronization. <i>Advances in Computational Intelligence and Robotics Book Series, 2016, 171-193</i>	0.4	1
99	Online Condition Monitoring of Traction Motor. <i>Advances in Civil and Industrial Engineering Book Series, 2016, 489-523</i>	0.5	1
98	A thermographic method for detecting Respiratory Alkalosis by monitoring breath patterns 2016,		1
97	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, 2016, 44, 1222-1262</i>	2	3
96	MFCC feature with optimized frequency range: An essential step for emotion recognition 2016,		5
95	Inferring functional brain connectivity estimation of continuous and missing sample in meditation state-allied scalp EEG 2016,		1
94	Evaluation of denoising techniques for EOG signals based on SNR estimation 2016,		3
93	A real-time robust facial expression recognition system using HOG features 2016,		28
92	Fast and accurate algorithm for eye localisation for gaze tracking in low-resolution images. <i>IET Computer Vision, 2016, 10, 660-669</i>	1.4	47
91	Emotion recognition from audio-visual data using rule based decision level fusion 2016,		11
90	Robust face recognition of inferior quality images using Local Gabor Phase Quantization 2016,		4
89	An unsupervised approach for overlapping cervical cell cytoplasm segmentation 2016,		9
88	Study of prosodic feature extraction for multidialectal Odia speech emotion recognition 2016,		4

87	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, 2016, 2016, 1652-1655</i>	0.9	1
86	A Method for Detecting Half-Broken Rotor Bar in Lightly Loaded Induction Motors Using Current. <i>IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1614-1625</i>	5.2	70
85	Infrared imaging based hyperventilation monitoring through respiration rate estimation. <i>Infrared Physics and Technology, 2016, 77, 382-390</i>	2.7	14
84	Study of feature combination using HMM and SVM for multilingual Odiya speech emotion recognition. <i>International Journal of Speech Technology, 2015, 18, 387-393</i>	1.3	12
83	Nanoscale Surface Characterization of Human Erythrocytes by Atomic Force Microscopy: A Critical Review. <i>IEEE Transactions on Nanobioscience, 2015, 14, 625-33</i>	3.4	21
82	Robust facial expression classification using shape and appearance features 2015,		24
81	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
80	Human emotion recognition from facial thermal image based on fused statistical feature and multi-class SVM 2015,		15
79	A novel multiclass SVM based framework to classify lithology from well logs: A real-world application 2015,		3
78	EEG Synchronization and Brain Networks. <i>International Journal of Biomedical and Clinical Engineering, 2015, 4, 1-11</i>	0.7	1
77	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1808-1820</i>	4.7	21
76	Efficacy of adaptive directed transfer function for neural connectivity estimation of EEG signal during meditation 2015,		6
75	Automatic facial expression recognition using features of salient facial patches. <i>IEEE Transactions on Affective Computing, 2015, 6, 1-12</i>	5.7	298
74	Determining Autocorrelation Matrix Size and Sampling Frequency for MUSIC Algorithm. <i>IEEE Signal Processing Letters, 2015, 22, 1016-1020</i>	3.2	11
73	Machine Learning Approach for Emotional Speech Classification. <i>Lecture Notes in Computer Science, 2015, 490-501</i>	0.9	1
72	Generalised Orthogonal Partial Directed Coherence as a Measure of Neural Information Flow During Meditation. <i>Lecture Notes in Bioengineering, 2015, 137-148</i>	0.8	3
71	Quantification of sand fraction from seismic attributes using Neuro-Fuzzy approach. <i>Journal of Applied Geophysics, 2014, 111, 141-155</i>	1.7	9
70	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, 2014, 123, 155-163</i>	4.4	17

69	An analytical framework for area and switching power optimization of a fixed-point FFT algorithm 2014,		1
68	A Novel Framework Based on SVDD to Classify Water Saturation from Seismic Attributes 2014,		4
67	Correlation of Estimated Sources in Human Brain Obtained by Source Localization Method with Waves Obtained by Telegrapher's Equation 2014,		1
66	Analysis of fatigue using EEG state-space analysis 2014,		1
65	Estimation of Fatigue in Drivers by Analysis of Brain Networks 2014,		3
64	A framework for human activity recognition based on accelerometer data 2014,		6
63	Assessment of Similarity Between Well Logs Using Synchronization Measures. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 2032-2036	4.1	5
62	Minimum variance estimators for enemy radar localization by Unmanned Aerial Vehicles 2014,		1
61	A one-class classification framework using SVDD: Application to an imbalanced geological dataset 2014,		8
60	Design and Performance Analysis of Fixed-point Jacobi SVD Algorithm on Reconfigurable System. <i>IERI Procedia</i> , 2014 , 7, 21-27		9
59	Automated Alertness and Emotion Detection for Empathic Feedback during e-Learning 2013,		16
58	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
57	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
56	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
55	Complex brain networks using Visibility Graph synchronization 2013,		3
54	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 1192-1209	3.7	3
53	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	
52	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 3186-3206	3.7	2

51	Measurement of PERCLOS using eigen-eyes 2012 ,		5
50	A biomedical approach to retrieve information on driver's fatigue by integrating EEG, ECG and blood biomarkers during simulated driving session 2012 ,		8
49	Video & EOG based investigation of pure saccades in human subjects 2012 ,		6
48	A real time facial expression classification system using Local Binary Patterns 2012 ,		41
47	A video database of human faces under near Infra-Red illumination for human computer interaction applications 2012 ,		4
46	Effect of sleep deprivation on estimated distributed sources for Scalp EEG signals: A case study on human drivers 2012 ,		5
45	Estimation of Saccadic Ratio from eye image sequences to detect human alertness 2012 ,		1
44	Classification of brain states using principal components analysis of cortical EEG synchronization and HMM 2012 ,		3
43	A real time algorithm for detection of spectacles leading to eye detection 2012 ,		5
42	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
41	Estimation of Autocorrelation Space for Classification of Bio-medical Signals. <i>Lecture Notes in Computer Science</i> , 2012 , 697-704	0.9	1
40	Analysis of training parameters for classifiers based on Haar-like features to detect human faces 2011 ,		11
39	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
38	A constrained least squares algorithm for fast Blind Source Separation in a non-stationary mixing environment 2011 ,		1
37	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	
36	A constrained sequential algorithm for source separation in a non-stationary environment using natural gradient 2011 ,		1
35	A novel drowsiness detection scheme based on speech analysis with validation using simultaneous EEG recordings 2010 ,		20
34	Implementation of real time Visual Attention Monitoring algorithm of human drivers on an embedded platform 2010 ,		3

33	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
32	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
31	Data reduction and clustering techniques for fault detection and diagnosis in automotives 2010 ,		6
30	Design of Support Vector Machines with Time Frequency Kernels for classification of EEG signals 2010 ,		3
29	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
28	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
27	A robust H-learning approach to blind separation of signals 2010 , 20, 410-416		1
26	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
25	A robust H-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
24	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
23	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	
22	Emotion recognition from Assamese speeches using MFCC features and GMM classifier 2008 ,		31
21	An Energy Function Based Fuzzy Variable Step Size FxLMS Algorithm for Active Noise Control 2008 ,		4
20	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
19	Fast algorithms for designing variable FIR notch filters. <i>Numerical Linear Algebra With Applications</i> , 2007 , 14, 673-694	1.6	1
18	A Fast Edge Detection Algorithm for Road Boundary Extraction under Non-uniform Light Condition 2007 ,		6
17	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
16	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

15	An Active Snake Model for Classification of Extreme Emotions 2006 ,		2
14	Maximum efficiency of flexible AC transmission systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2006 , 28, 581-588	5.1	6
13	Power system frequency estimation using least mean square technique. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 1812-1816	4.3	179
12	Applying distance relay for voltage sag source detection. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 529-531	4.3	54
11	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
10	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
9	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
8	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
7	A neural network based feedback linearising controller for HVDC links. <i>Electric Power Systems Research</i> , 1999 , 50, 125-132	3.5	9
6	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
5	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
4	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
3	A Fast Edge Detection Algorithm for Road Boundary Extraction under Non-uniform Light Condition		1
2	A CNN-LSTM-based fault classifier and locator for underground cables. <i>Neural Computing and Applications</i> ,1	4.8	1
1	A DCRNN-based ensemble classifier for speech emotion recognition in Odia language. <i>Complex & Intelligent Systems</i> ,1	7.1	3