Aurobinda Routray

List of Publications by Year
in descending order

212 papers	4,370 citations

185998
28 h-index

138251
58 g-index

213 all docs	213 docs citations	213 times ranked	3701 citing authors

#	Article	IF	Citations
1	Automatic facial expression recognition using features of salient facial patches. IEEE Transactions on Affective Computing, 2015, 6, 1-12.	5.7	439
2	A novel Kalman filter for frequency estimation of distorted signals in power systems. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 469-479.	2.4	317
3	Power System Frequency Estimation Using Least Mean Square Technique. IEEE Transactions on Power Delivery, 2005, 20, 1812-1816.	2.9	246
4	Databases, features and classifiers for speech emotion recognition: a review. International Journal of Speech Technology, 2018, 21, 93-120.	1.4	225
5	EEG signal analysis for the assessment and quantification of driver's fatigue. Transportation Research Part F: Traffic Psychology and Behaviour, 2010, 13, 297-306.	1.8	222
6	An extended complex Kalman filter for frequency measurement of distorted signals. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 746-753.	2.4	149
7	Wavelet Fuzzy Combined Approach for Fault Classification of a Series-Compensated Transmission Line. IEEE Transactions on Power Delivery, 2004, 19, 1612-1618.	2.9	127
8	Fault Direction Estimation in Radial Distribution System Using Phase Change in Sequence Current. IEEE Transactions on Power Delivery, 2007, 22, 2065-2071.	2.9	109
9	A Method for Detecting Half-Broken Rotor Bar in Lightly Loaded Induction Motors Using Current. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1614-1625.	2.4	99
10	A Vision-Based System for Monitoring the Loss of Attention in Automotive Drivers. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1825-1838.	4.7	87
11	Fuzzy Histogram of Optical Flow Orientations for Micro-Expression Recognition. IEEE Transactions on Affective Computing, 2019, 10, 394-406.	5.7	85
12	Applying distance relay for voltage sag source detection. IEEE Transactions on Power Delivery, 2005, 20, 529-531.	2.9	82
13	A real time facial expression classification system using Local Binary Patterns. , 2012, , .		78
14	Fast and accurate algorithm for eye localisation for gaze tracking in low-resolution images. IET Computer Vision, 2016, 10, 660-669.	1.3	72
15	Filtered-s LMS algorithm for multichannel active control of nonlinear noise processes. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 1875-1880.	3.8	69
16	The Indian Spontaneous Expression Database for Emotion Recognition. IEEE Transactions on Affective Computing, 2017, 8, 131-142.	5.7	67
17	A score level fusion method for eye movement biometrics. Pattern Recognition Letters, 2016, 82, 207-215.	2.6	59
18	A Smartphone-Based Drowsiness Detection and Warning System for Automotive Drivers. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4045-4054.	4.7	54

#	Article	IF	Citations
19	Emotion recognition from Assamese speeches using MFCC features and GMM classifier. , 2008, , .		49
20	A real-time robust facial expression recognition system using HOG features. , 2016, , .		47
21	â€œOmicsâ€•in oral cancer: New approaches for biomarker discovery. Archives of Oral Biology, 2018, 87, 15-34.	0.8	43
22	Well-Log and Seismic Data Integration for Reservoir Characterization: A Signal Processing and Machine-Learning Perspective. IEEE Signal Processing Magazine, 2018, 35, 72-81.	4.6	42
23	A Humanâ€"Computer Interaction framework for emotion recognition through time-series thermal video sequences. Computers and Electrical Engineering, 2021, 93, 107280.	3.0	41
24	Functional network changes associated with sleep deprivation and fatigue during simulated driving: Validation using blood biomarkers. Clinical Neurophysiology, 2011, 122, 966-974.	0.7	39
25	Effect of Sleep Deprivation on Functional Connectivity of EEG Channels. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 666-672.	5.9	39
26	Higher Order Statistics-Fuzzy Integrated Scheme for Fault Classification of a Series-Compensated Transmission Line. IEEE Transactions on Power Delivery, 2004, 19, 891-893.	2.9	37
27	Driver Fatigue Detection Through Chaotic Entropy Analysis of Cortical Sources Obtained From Scalp EEG Signals. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 185-198.	4.7	37
28	Low Complexity Motor Current Signature Analysis Using Sub-Nyquist Strategy With Reduced Data Length. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3249-3259.	2.4	35
29	Fast and accurate spectral estimation for online detection of partial broken bar in induction motors. Mechanical Systems and Signal Processing, 2018, 98, 63-77.	4.4	35
30	Serum-based diagnostic prediction of oral submucous fibrosis using FTIR spectrometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 322-329.	2.0	35
31	Vocal emotion recognition in five native languages of Assam using new wavelet features. International Journal of Speech Technology, 2009, 12, 1-13.	1.4	34
32	Robust facial expression classification using shape and appearance features. , 2015, , .		34
33	Automated Alertness and Emotion Detection for Empathic Feedback during e-Learning. , 2013, , .		30
34	A novel drowsiness detection scheme based on speech analysis with validation using simultaneous EEG recordings. , 2010, , .		27
35	A Novel Preprocessing Scheme to Improve the Prediction of Sand Fraction From Seismic Attributes Using Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1808-1820.	2.3	27
36	Highly Efficient Compression Algorithms for Multichannel EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 957-968.	2.7	26

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37	Infrared imaging based hyperventilation monitoring through respiration rate estimation. Infrared Physics and Technology, 2016, 77, 382-390.	1.3	25
38	Human emotion recognition from facial thermal image based on fused statistical feature and multi-class SVM. , 2015, , .		24
39	Nanoscale Surface Characterization of Human Erythrocytes by Atomic Force Microscopy: A Critical Review. IEEE Transactions on Nanobioscience, 2015, 14, 625-633.	2.2	24
40	Diagnostic and Prognostic Utility of Non-Invasive Multimodal Imaging in Chronic Wound Monitoring: a Systematic Review. Journal of Medical Systems, 2017, 41, 46.	2.2	24
41	Method for Online Detection of Arcing in Low-Voltage Distribution Systems. IEEE Transactions on Power Delivery, 2017, 32, 1244-1252.	2.9	22
42	A two-stage framework for denoising electrooculography signals. Biomedical Signal Processing and Control, 2017, 31, 231-237.	3.5	22
43	Well tops guided prediction of reservoir properties using modular neural network concept: A case study from western onshore, India. Journal of Petroleum Science and Engineering, 2014, 123, 155-163.	2.1	21
44	Emotion recognition from audio-visual data using rule based decision level fusion. , 2016, , .		21
45	A Portable Personality Recognizer Based on Affective State Classification Using Spectral Fusion of Features. IEEE Transactions on Affective Computing, 2018, 9, 330-342.	5.7	21
46	An on-board vision based system for drowsiness detection in automotive drivers. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2013, 5, 94-103.	0.7	20
47	Determining Autocorrelation Matrix Size and Sampling Frequency for MUSIC Algorithm. IEEE Signal Processing Letters, 2015, 22, 1016-1020.	2.1	19
48	Study of feature combination using HMM and SVM for multilingual Odiya speech emotion recognition. International Journal of Speech Technology, 2015, 18, 387-393.	1.4	19
49	Fast Semi-Supervised Unmixing of Hyperspectral Image by Mutual Coherence Reduction and Recursive PCA. Remote Sensing, 2018, 10, 1106.	1.8	19
50	Sparsity measure based library aided unmixing of hyperspectral image. IET Image Processing, 2019, 13, 2077-2085.	1.4	18
51	Minimum Distance-Based Detection of Incipient Induction Motor Faults Using Rayleigh Quotient Spectrum of Conditioned Vibration Signal. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	18
52	A novel approach of speech emotion recognition with prosody, quality and derived features using SVM classifier for a class of North-Eastern Languages. , 2015, , .		17
53	Covariance Similarity Approach for Semiblind Unmixing of Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 937-941.	1.4	17
54	A Multimodal System for Assessing Alertness Levels Due to Cognitive Loading. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1037-1046.	2.7	16

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55	An effective feature selection method based on pair-wise feature proximity for high dimensional low sample size data. , 2017, , .		16
56	A neural network based feedback linearising controller for HVDC links. Electric Power Systems Research, 1999, 50, 125-132.	2.1	15
57	Analysis of cognitive fatigue using EEG parameters. , 2017, 2017, 2554-2557.		15
58	Local Force Pattern (LFP): Descriptor for Heterogeneous Face Recognition. Pattern Recognition Letters, 2019, 125, 63-70.	2.6	15
59	A biomedical approach to retrieve information on driver's fatigue by integrating EEG, ECG and blood biomarkers during simulated driving session. , 2012, , .		14
60	A framework for human activity recognition based on accelerometer data. , 2014, , .		14
61	A Diffusion Filter Based Scheme to Denoise Seismic Attributes and Improve Predicted Porosity Volume. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5265-5274.	2.3	14
62	Design of an energy function based fuzzy tuning controller for HVDC links. International Journal of Electrical Power and Energy Systems, 1999, 21, 337-347.	3.3	13
63	Analysis of training parameters for classifiers based on Haar-like features to detect human faces. , 2011, , .		13
64	Generalised Orthogonal Partial Directed Coherence as a Measure of Neural Information Flow During Meditation. Lecture Notes in Bioengineering, 2015, , 137-148.	0.3	13
65	A non-rigid motion estimation algorithm for yawn detection in human drivers. International Journal of Computational Vision and Robotics, 2009, 1, 89.	0.2	12
66	A one-class classification framework using SVDD: Application to an imbalanced geological dataset. , 2014, , .		12
67	A critical comparison between SVM and k-SVM in the classification of Kriya Yoga meditation state-allied EEG. , 2016, , .		12
68	A DCRNN-based ensemble classifier for speech emotion recognition in Odia language. Complex & Intelligent Systems, 2022, 8, 4237-4249.	4.0	12
69	Parameter identification and co-estimation of state-of-charge of Li-ion battery in real-time on Internet-of-Things platform. Journal of Energy Storage, 2022, 51, 104370.	3.9	12
70	Implementation of Fast-ICA: A Performance Based Comparison Between Floating Point and Fixed Point DSP Platform. Measurement Science Review, 2011, 11, .	0.6	11
71	Measurement of PERCLOS using eigen-eyes. , 2012, , .		11
72	Video & EOG based investigation of pure saccades in human subjects. , 2012, , .		11

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73	Design and Performance Analysis of Fixed-point Jacobi SVD Algorithm on Reconfigurable System. IERI Procedia, 2014, 7, 21-27.	0.3	11
74	Quantification of sand fraction from seismic attributes using Neuro-Fuzzy approach. Journal of Applied Geophysics, 2014, 111, 141-155.	0.9	11
75	An unsupervised approach for overlapping cervical cell cytoplasm segmentation. , 2016, , .		11
76	A robust motifs based artifacts removal technique from EEG. Biomedical Physics and Engineering Express, 2017, 3, 035010.	0.6	11
77	Fast Linear Unmixing of Hyperspectral Image by Slow Feature Analysis and Simplex Volume Ratio Approach. , 2019, , .		11
78	A CNN-LSTM-based fault classifier and locator for underground cables. Neural Computing and Applications, 2021, 33, 15293-15304.	3.2	11
79	A probabilistic neural network (PNN) based framework for lithology classification using seismic attributes. Journal of Applied Geophysics, 2022, 199, 104578.	0.9	11
80	A Fast Edge Detection Algorithm for Road Boundary Extraction under Non-uniform Light Condition. , 2007, , .		10
81	Data reduction and clustering techniques for fault detection and diagnosis in automotives. , 2010, , .		9
82	Power quality disturbances classification using support vector machines with optimised time-frequency kernels. International Journal of Power Electronics, 2012, 4, 181.	0.1	9
83	A video database of human faces under near Infra-Red illumination for human computer interaction applications. , 2012, , .		9
84	Assessment of Similarity Between Well Logs Using Synchronization Measures. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2032-2036.	1.4	9
85	A novel multiclass SVM based framework to classify lithology from well logs: A real-world application. , 2015, , .		9
86	Mobile Application to Detect Induction Motor Faults. IEEE Embedded Systems Letters, 2017, 9, 117-120.	1.3	9
87	Topographical assessment of neurocortical connectivity by using directed transfer function and partial directed coherence during meditation. Cognitive Processing, 2018, 19, 527-536.	0.7	9
88	Application of EMR Signature in Health Assessment and Monitoring of IGBT-Based Converters. IEEE Transactions on Power Electronics, 2020, 35, 1899-1906.	5.4	9
89	A Computationally Efficient Winding Function Method for Calculation of Inductances in an Asymmetric Induction Motor. Electric Power Components and Systems, 2007, 35, 43-61.	1.0	8
90	An Energy Function Based Fuzzy Variable Step Size FxLMS Algorithm for Active Noise Control. , 2008, , .		8

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91	Efficacy of adaptive directed transfer function for neural connectivity estimation of EEG signal during meditation. , 2015, , .		8
92	A novel power theft detection algorithm for low voltage distribution network. , 2017, , .		8
93	Convex Set Based Abundance Constrained Unmixing of Hyperspectral Image. , 2017, , .		8
94	Graph Manifold Clustering based Band Selection for Hyperspectral Face Recognition. , 2018, , .		8
95	Band selection of hyperspectral image by sparse manifold clustering. IET Image Processing, 2019, 13, 1625-1635.	1.4	8
96	Design of robust controllers for HVDC links in AC-DC power systems. Electric Power Systems Research, 1995, 33, 201-209.	2.1	7
97	Effect of sleep deprivation on estimated distributed sources for Scalp EEG signals: A case study on human drivers. , 2012, , .		7
98	A Novel Framework Based on SVDD to Classify Water Saturation from Seismic Attributes. , 2014, , .		7
99	MFCC feature with optimized frequency range: An essential step for emotion recognition. , 2016, , .		7
100	Evaluation of denoising techniques for EOG signals based on SNR estimation. , 2016, , .		7
101	Study of prosodic feature extraction for multidialectal Odia speech emotion recognition. , 2016, , .		7
102	EMR signature analysis for health monitoring and early stage fault diagnosis of IGBT. , 2017, , .		7
103	A Semisupervised Spatial Spectral Regularized Manifold Local Scaling Cut With HGF for Dimensionality Reduction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3423-3435.	2.7	7
104	Accurate Real-Time Estimation of Power System Transients Using Constrained Symmetric Strong Tracking Square-Root Cubature Kalman Filter. IEEE Access, 2019, 7, 165692-165709.	2.6	7
105	Spatialâ€"Spectral Regularized Local Scaling Cut for Dimensionality Reduction in Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 932-936.	1.4	7
106	Detection of Power Theft in Low Voltage Distribution Systems: A Review from the Indian Perspective. IETE Journal of Research, 2022, 68, 4180-4197.	1.8	7
107	Experimental Validation of Coupled Circuit Model and Simulation of Eccentric Squirrel Cage Induction Motor. , 2006, , .		6
108	Maximum efficiency of flexible AC transmission systems. International Journal of Electrical Power and Energy Systems, 2006, 28, 581-588.	3.3	6

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109	Detection of Arcing in Low Voltage Distribution Systems. , 2008, , .		6
110	A real time algorithm for detection of spectacles leading to eye detection. , 2012, , .		6
111	Noise robust estimation of number of endmembers in a hyperspectral image by Eigenvalue based gap index. , 2016, , .		6
112	Hyperspectral Unmixing by Nuclear Norm Difference Maximization based Dictionary Pruning. , 2017, , .		6
113	A New Framework to Infer Intra- and Inter-Brain Sparse Connectivity Estimation for EEG Source Information Flow. IEEE Sensors Journal, 2018, 18, 10134-10144.	2.4	6
114	A Novel Preprocessing Method Based on Variational Mode Decomposition for Reservoir Characterization Using Support Vector Regression. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3759-3768.	2.3	6
115	Fatigue in human drivers: A study using ocular, Psychometric, physiological signals. , 2010, , .		5
116	Implementation of real time Visual Attention Monitoring algorithm of human drivers on an embedded platform. , 2010, , .		5
117	Design of Support Vector Machines with Time Frequency Kernels for classification of EEG signals. , 2010, , .		5
118	New State and Measurement Models for Endo-Atmospheric Tracking of Ballistic Targets using Seeker Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1192-1209.	2.6	5
119	Complex brain networks using Visibility Graph synchronization. , 2013, , .		5
120	Robust face recognition of inferior quality images using Local Gabor Phase Quantization. , 2016, , .		5
121	Recognizing Subtle Micro-facial Expressions Using Fuzzy Histogram of Optical Flow Orientations and Feature Selection Methods. Studies in Computational Intelligence, 2018, , 341-368.	0.7	5
122	QDF: A face database with varying quality. Signal Processing: Image Communication, 2019, 74, 13-20.	1.8	5
123	Certainty-Based Reduced Sparse Solution for Dense Array EEG Source Localization. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 172-178.	2.7	5
124	Multispectral Coherence Analysis for Better Fault Visualization in Seismic Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
125	An Active Snake Model for Classification of Extreme Emotions. , 2006, , .		4
126	Evolutionary algorithm based optimization for power quality disturbances classification using support vector machines. International Journal of Control, Automation and Systems, 2010, 8, 1306-1312.	1.6	4

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127	FPGA implementation of constrained LMS algorithm. , 2011, , .		4
128	Classification of brain states using principal components analysis of cortical EEG synchronization and HMM. , 2012, , .		4
129	Analysis of fatigue using EEG state-space analysis. , 2014, , .		4
130	Development of a wireless wearable electrooculogram recorder for IoT based applications. , 2017, , .		4
131	Brain State Classification With Group l_1 – $norm$ Sparse PDC as Novel Features for EEG. IEEE Sensors Journal, 2021, 21, 13506-13513.	2.4	4
132	Efficient tensor decomposition approach for estimation of the number of endmembers in a hyperspectral image. Journal of Applied Remote Sensing, 2020, 14, 1.	0.6	4
133	Optimisation of features using evolutionary algorithm for EEG signal classification. International Journal of Computational Vision and Robotics, 2010, 1, 297.	0.2	3
134	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, , .		3
135	Voice Cues, Keyboard Entry and Mouse Click for Detection of Affective and Cognitive States: A Case for Use in Technology-Based Pedagogy. , 2013, , .		3
136	Estimation of Fatigue in Drivers by Analysis of Brain Networks. , 2014, , .		3
137	Minimum variance estimators for enemy radar localization by Unmanned Aerial Vehicles. , 2014, , .		3
138	A thermographic method for detecting Respiratory Alkalosis by monitoring breath patterns. , 2016, , .		3
139	Development of numerical linear algebra algorithms in dynamic fixed‑point format: a case study of Lanczos tridiagonalization. International Journal of Circuit Theory and Applications, 2016, 44, 1222-1262.	1.3	3
140	Identification of eye saccadic signatures in electrooculography data using time-series motifs. , 2016, , .		3
141	Topographical pattern analysis using wavelet based coherence connectivity estimation in the distinction of meditation and non-meditation EEG. , 2017, , .		3
142	Detecting Aggression in Voice Using Inverse Filtered Speech Features. IEEE Transactions on Affective Computing, 2018, 9, 217-226.	5.7	3
143	A Variational Mode Decomposition Based Novel Preprocessing Method for Reservoir Characterization Using Support Vector Regression. , 2018, , .		3
144	Direct estimation of multiple time-varying frequencies of non-stationary signals. Signal Processing, 2020, 169, 107384.	2.1	3

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145	Multimodal prediction of trait emotional intelligence–Through affective changes measured using non-contact based physiological measures. PLoS ONE, 2021, 16, e0254335.	1.1	3
146	Library-aided bilinear unmixing of hyperspectral image using subspace clustering and multistep pruning. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	3
147	Design of a variable structure current regulator for weak AC/DC systems. Electric Power Systems Research, 1993, 27, 49-59.	2.1	2
148	A robust learning approach to blind separation of signals. , 2010, 20, 410-416.		2
149	Improved Estimation of Kinematic State of Reentry Ballistic Targets with Modeling of Colored and Nonstationary Seeker Noise. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3186-3206.	2.6	2
150	EEG synchronization and brain networks: A case study in fatigue. , 2014, , .		2
151	Correlation of Estimated Sources in Human Brain Obtained by Source Localization Method with Waves Obtained by Telegrapher's Equation. , 2014, , .		2
152	Development of a hybrid learning system based on SVM, ANFIS and domain knowledge: DKFIS. , 2015, , .		2
153	State Estimation of Power System Signal using Constrained Optimized Algorithms-Comparative Analysis. , 2017, , .		2
154	Study of Kalman filter based Noise Estimation in Artifactual EEG and their Quantification. , 2017, , .		2
155	A System for Noncontact Estimation of Cognitive Load Using Saccadic Parameters Based on a Serio-Parallel Computing Framework. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 450-459.	2.6	2
156	Localization of eye Saccadic signatures in Electrooculograms using sparse representations with data driven dictionaries. Pattern Recognition Letters, 2020, 139, 104-111.	2.6	2
157	Simplified Face Quality Assessment (SFQA). Pattern Recognition Letters, 2021, 147, 108-114.	2.6	2
158	Alertness Monitoring System for Vehicle Drivers using Physiological Signals. Advances in Civil and Industrial Engineering Book Series, 2016, , 273-311.	0.2	2
159	Study of Loss of Alertness and Driver Fatigue Using Visibility Graph Synchronization. Advances in Computational Intelligence and Robotics Book Series, 2016, , 171-193.	0.4	2
160	Online Condition Monitoring of Traction Motor. Advances in Civil and Industrial Engineering Book Series, 2016, , 489-523.	0.2	2
161	Parameter Estimation for Underground Cable Fault Using Stochastic Optimization. , 2021, , .		2
162	GNN-Based Embedded Framework for Consumer Affect Recognition Using Thermal Facial ROIs. IEEE Consumer Electronics Magazine, 2023, 12, 74-83.	2.3	2

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163	Fast algorithms for designing variable FIR notch filters. Numerical Linear Algebra With Applications, 2007, 14, 673-694.	0.9	1
164	A robust Hâ˜ž learning approach to blind separation of slowly time-varying mixture of acoustic electromechanical signals. Mechanical Systems and Signal Processing, 2009, 23, 2049-2058.	4.4	1
165	Signal Processing Application in Fault Diagnosis of Three Phase Transformers. , 2009, , .		1
166	Classification of Power Quality Disturbances Using Parzen Kernels. International Journal of Emerging Electric Power Systems, 2010, 11, .	0.6	1
167	A new technique for removal of ocular artifacts from EEG signals using S-transform. , 2010, , .		1
168	A constrained sequential algorithm for source separation in a non-stationary environment using natural gradient. , 2011, , .		1
169	A constrained least squares algorithm for fast Blind Source Separation in a non-stationary mixing environment. , 2011, , .		1
170	Estimation of Saccadic Ratio from eye image sequences to detect human alertness. , 2012, , .		1
171	Advanced virtual embedded system laboratory. , 2012, , .		1
172	Use of data driven optimal filter to obtain significant trend present in frequency domain parameters for scalp EEG captured during meditation. , 2014, , .		1
173	An analytical framework for area and switching power optimization of a fixed-point FFT algorithm. , 2014, , .		1
174	EEG Synchronization and Brain Networks. International Journal of Biomedical and Clinical Engineering, 2015, 4, 1-11.	0.2	1
175	Inferring functional brain connectivity estimation of continuous and missing sample in meditation state-allied scalp EEG. , 2016, , .		1
176	Analysis of loss of alertness due to cognitive fatigue using Motif Synchronization of EEG records. , 2016, 2016, 1652-1655.		1
177	Source localization using MUSIC and selection of sensor number and distance. , 2016, , .		1
178	An improved algorithm for eye corner detection. , 2016, , .		1
179	An ensemble metric learning scheme for face recognition. , 2017, , .		1
180	Loss of Alertness under Cognitive Fatigue Using EEG Synchronization. , 2017, , .		1

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181	Topographical Sub-bands Analysis of EEG during Short Kriya Yoga Meditation. , 2017, , .		1
182	Combining Pixel Selection with Covariance Similarity Approach in Hyperspectral Face Recognition. , 2018, , .		1
183	Dual-threshold Based Local Patch Construction Method for Manifold Approximation And Its Application to Facial Expression Analysis. , 2019, , .		1
184	Automatic Measurement of Speech Breathing Rate. , 2019, , .		1
185	Multiâ€directional local adjacency descriptors (MDLAD) for heterogeneous face recognition. IET Image Processing, 2020, 14, 982-994.	1.4	1
186	Cardiac autonomic flexibility is associated with higher emotional intelligence. Cogent Psychology, 2020, 7, 1870809.	0.6	1
187	A Fast Edge Detection Algorithm for Road Boundary Extraction under Non-uniform Light Condition. , 2007, , .		1
188	Sparse algorithms for EEG source localization. Medical and Biological Engineering and Computing, 2021, 59, 2325-2352.	1.6	1
189	Cross-Lingual Vocal Emotion Recognition in Five Native Languages of Assam Using Eigenvalue Decomposition. Lecture Notes in Computer Science, 2009, , 519-524.	1.0	1
190	Estimation of Autocorrelation Space for Classification of Bio-medical Signals. Lecture Notes in Computer Science, 2012, , 697-704.	1.0	1
191	Robust Preprocessing: Denoising and Whitening in the context of Blind Source Separation of Instantaneous Mixtures. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	0
192	Comparison of Features Based on MFCCs and Eigen Values of Autocorrelation Matrix for Cross-Lingual Vocal Emotion Recognition in Five Languages of Assam. , 2009, , .		0
193	A procedure using support vector data description andÂmutual information for end price assessment inÂonlineÂC2C auction. Electronic Commerce Research, 2011, 11, 321-340.	3.0	0
194	Assessment of psychomotor performance in Î±CaMK-II-4R tau mice: an insight into human tauopathies. Future Neurology, 2012, 7, 773-783.	0.9	0
195	Vocal emotion recognition in five native languages of Assam using prosodic features in presence of white noise. , 2012, , .		0
196	Analysis and realization of Relaxed Consistency Memory model for multi-core CPU or GPU. , 2014, , .		0
197	Floating to Fixed-Point Translation with Its Application to Speech-Based Emotion Recognition. , 2014, , .		0
198	SPECFACE â€" A dataset of human faces wearing spectacles. , 2016, , .		0

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199	Source imaging of simple finger movements captured during auditory response tasks using space-time-frequency based sparsity constraints. , 2016, 2016, 4087-4092.		0
200	Source imaging of simple finger movements captured during auditory response tasks: Estimation of variation in neural information flow under varying vigilance levels. , 2016, , .		0
201	Modeling and Analysis of Electrodes for Electrooculography. , 2017, , .		0
202	Robust Estimation of Switching Transients of Non-Linear Loads and Their Comparative Studies. , 2017, , .		0
203	A Supervised Geometry-Aware Mapping Approach for Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 582-586.	1.4	0
204	Dual estimation based vocal tract shape computation. International Journal of Speech Technology, 2019, 22, 575-584.	1.4	0
205	Frequency Selective Filters for Estimating the Equivalent Circuit Parameters of Liion Battery. , 2019, , .		0
206	Interest Indices for Human Computer Interaction Applications based on Facial Image Sequences. , 2019, , .		0
207	Multi-trace Inversion with Selective Wedge to Increase Thin Layer Resolution in Horizontal Layer. , 2020, , .		0
208	A Simple Method to Localize and Monitor the Emissive Sources in a Converter Panel. IEEE Transactions on Industrial Electronics, 2021, 68, 2667-2675.	5.2	0
209	Piecewise empirical mode Bayesian estimation â€" A new method to denoise electrooculograms. Biomedical Signal Processing and Control, 2021, 70, 102945.	3.5	0
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