

Wai Lok Woo

List of Publications by Year in descending order

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318
papers

5,064
citations

94381

37
h-index

161767

54
g-index

320
all docs

320
docs citations

320
times ranked

3900
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Coupled Electromagnetic Sensing of Defects Diagnostic System. IEEE Transactions on Industrial Electronics, 2023, 70, 951-964.	5.2	15
2	Artificial Intelligence for Emerging Technology in Surgery: Systematic Review and Validation. IEEE Reviews in Biomedical Engineering, 2023, 16, 241-259.	13.1	5
3	Multi-modal gait: A wearable, algorithm and data fusion approach for clinical and free-living assessment. Information Fusion, 2022, 78, 57-70.	11.7	38
4	A Pose-Based Feature Fusion and Classification Framework for the Early Prediction of Cerebral Palsy in Infants. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 8-19.	2.7	14
5	RobIn: A robust interpretable deep network for schizophrenia diagnosis. Expert Systems With Applications, 2022, 201, 117158.	4.4	6
6	Cross-Domain Activity Recognition Using Shared Representation in Sensor Data. IEEE Sensors Journal, 2022, 22, 13273-13284.	2.4	0
7	O-Net: A Fast and Precise Deep-Learning Architecture for Computational Super-Resolved Phase-Modulated Optical Microscopy. Microscopy and Microanalysis, 2022, 28, 1584-1598.	0.2	4
8	Non-Intrusive Fish Weight Estimation in Turbid Water Using Deep Learning and Regression Models. Sensors, 2022, 22, 5161.	2.1	8
9	Sparse Low-Rank Tensor Decomposition for Metal Defect Detection Using Thermographic Imaging Diagnostics. IEEE Transactions on Industrial Informatics, 2021, 17, 1810-1820.	7.2	25
10	Multiphysics Structured Eddy Current and Thermography Defects Diagnostics System in Moving Mode. IEEE Transactions on Industrial Informatics, 2021, 17, 2566-2578.	7.2	24
11	Ensemble Joint Sparse Low-Rank Matrix Decomposition for Thermography Diagnosis System. IEEE Transactions on Industrial Electronics, 2021, 68, 2648-2658.	5.2	19
12	Intelligent Controller for Energy Storage System in Grid-Connected Microgrid. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 650-658.	5.9	12
13	Gait analysis in neurological populations: Progression in the use of wearables. Medical Engineering and Physics, 2021, 87, 9-29.	0.8	79
14	Deep Temporal Convolution Network for Time Series Classification. Sensors, 2021, 21, 603.	2.1	28
15	A Lightweight Spatial and Temporal Multi-Feature Fusion Network for Defect Detection. IEEE Transactions on Image Processing, 2021, 30, 472-486.	6.0	56
16	Memory Linked Anomaly Metric Learning of Thermography Rail Defects Detection System. IEEE Sensors Journal, 2021, 21, 24720-24730.	2.4	6
17	Optimization of Fuzzy Energy-Management System for Grid-Connected Microgrid Using NSGA-II. IEEE Transactions on Cybernetics, 2021, 51, 5375-5386.	6.2	50
18	A Comparison of Feature Selection and Forecasting Machine Learning Algorithms for Predicting Glycaemia in Type 1 Diabetes Mellitus. Applied Sciences (Switzerland), 2021, 11, 1742.	1.3	13

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19	Dilated causal convolution with multi-head self attention for sensor human activity recognition. <i>Neural Computing and Applications</i> , 2021, 33, 13705-13722.	3.2	42
20	Deep Qâ€network implementation for simulated autonomous vehicle control. <i>IET Intelligent Transport Systems</i> , 2021, 15, 875-885.	1.7	3
21	Robustness and performance of Deep Reinforcement Learning. <i>Applied Soft Computing Journal</i> , 2021, 105, 107295.	4.1	19
22	Automated Landslide-Risk Prediction Using Web GIS and Machine Learning Models. <i>Sensors</i> , 2021, 21, 4620.	2.1	20
23	Tomographic Reconstruction of Rolling Contact Fatigues in Rails Using 3D Eddy Current Pulsed Thermography. <i>IEEE Sensors Journal</i> , 2021, 21, 18488-18496.	2.4	7
24	Wearable Inertial Gait Algorithms: Impact of Wear Location and Environment in Healthy and Parkinsonâ€™s Populations. <i>Sensors</i> , 2021, 21, 6476.	2.1	13
25	Intelligent Classification of Different Types of Plastics using Deep Transfer Learning. , 2021, , .		1
26	Flood Prediction and Analysis on the Relevance of Features using Explainable Artificial Intelligence. , 2021, , .		3
27	Automated Diagnosis of Childhood Pneumonia in Chest Radiographs Using Modified Densely Residual Bottleneck-Layer Features. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11461.	1.3	2
28	IoT Load Classification and Anomaly Warning in ELV DC Picogrids Using Hierarchical Extended $\{k\}$ -Nearest Neighbors. <i>IEEE Internet of Things Journal</i> , 2020, 7, 863-873.	5.5	11
29	DefectNet: Joint loss structured deep adversarial network for thermography defect detecting system. <i>Neurocomputing</i> , 2020, 417, 441-457.	3.5	22
30	Joint Learning of Temporal Models to Handle Imbalanced Data for Human Activity Recognition. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5293.	1.3	27
31	Hierarchical low-rank and sparse tensor micro defects decomposition by electromagnetic thermography imaging system. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190584.	1.6	10
32	Efficient Noisy Sound-Event Mixture Classification Using Adaptive-Sparse Complex-Valued Matrix Factorization and OvsO SVM. <i>Sensors</i> , 2020, 20, 4368.	2.1	9
33	Smart Nanoscopy: A Review of Computational Approaches to Achieve Super-Resolved Optical Microscopy. <i>IEEE Access</i> , 2020, 8, 214801-214831.	2.6	21
34	Sensor Signal and Information Processing III. <i>Sensors</i> , 2020, 20, 6749.	2.1	0
35	Attention-Block Deep Learning Based Features Fusion in Wearable Social Sensor for Mental Wellbeing Evaluations. <i>IEEE Access</i> , 2020, 8, 89258-89268.	2.6	30
36	Sensor Signal and Information Processing II. <i>Sensors</i> , 2020, 20, 3751.	2.1	3

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37	Ensemble tensor decomposition for infrared thermography cracks detection system. Infrared Physics and Technology, 2020, 105, 103203.	1.3	16
38	Crack characterization in ferromagnetic steels by pulsed eddy current technique based on GA-BP neural network model. Journal of Magnetism and Magnetic Materials, 2020, 500, 166412.	1.0	39
39	Future trends in I&M: Human-machine co-creation in the rise of AI. IEEE Instrumentation and Measurement Magazine, 2020, 23, 71-73.	1.2	27
40	Structured iterative alternating sparse matrix decomposition for thermal imaging diagnostic system. Infrared Physics and Technology, 2020, 107, 103288.	1.3	10
41	Early Warning of Health Condition and Visual Analytics for Multivariable Vital Signs. , 2020, , .		1
42	Multi-GRU prediction system for electricity generation's planning and operation. IET Generation, Transmission and Distribution, 2019, 13, 1630-1637.	1.4	24
43	A Deep-Learning-Driven Light-Weight Phishing Detection Sensor. Sensors, 2019, 19, 4258.	2.1	46
44	Temporal and spatial deep learning network for infrared thermal defect detection. NDT and E International, 2019, 108, 102164.	1.7	95
45	Multi-View Temporal Ensemble for Classification of Non-Stationary Signals. IEEE Access, 2019, 7, 32482-32491.	2.6	13
46	Single-Channel Signal Separation Using Spectral Basis Correlation with Sparse Nonnegative Tensor Factorization. Circuits, Systems, and Signal Processing, 2019, 38, 5786-5816.	1.2	9
47	A Nano-Biased Energy Management Using Reinforced Learning Multi-Agent on Layered Coalition Model: Consumer Sovereignty. IEEE Access, 2019, 7, 52542-52564.	2.6	8
48	A Novel Smart Energy Theft System (SETS) for IoT-Based Smart Home. IEEE Internet of Things Journal, 2019, 6, 5531-5539.	5.5	120
49	Effects of the asymmetric riser and bilge keel arrangements on FPSO green water assessment. Applied Ocean Research, 2019, 86, 166-176.	1.8	4
50	Wavelet-Integrated Alternating Sparse Dictionary Matrix Decomposition in Thermal Imaging CFRP Defect Detection. IEEE Transactions on Industrial Informatics, 2019, 15, 4033-4043.	7.2	33
51	IoT Structured Long-Term Wearable Social Sensing for Mental Wellbeing. IEEE Internet of Things Journal, 2019, 6, 3652-3662.	5.5	48
52	Deep Multiview Heartwave Authentication. IEEE Transactions on Industrial Informatics, 2019, 15, 777-786.	7.2	13
53	Heart-rate-Dependent Heartwave Biometric Identification With Thresholding-Based GMM-HMM Methodology. IEEE Transactions on Industrial Informatics, 2019, 15, 45-53.	7.2	35
54	Wearable Long-Term Social Sensing for Mental Wellbeing. IEEE Sensors Journal, 2019, 19, 8532-8542.	2.4	20

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55	Apprehending Fault Crises for an Autogenous Nanogrid System: Sustainable Buildings. IEEE Systems Journal, 2019, 13, 3254-3265.	2.9	2
56	Modified multiple generalized regression neural network models using fuzzy C-means with principal component analysis for noise prediction of offshore platform. Neural Computing and Applications, 2019, 31, 1127-1142.	3.2	6
57	Building a Globally Optimized Computational Intelligent Image Processing Algorithm for On-Site Inference of Nitrogen in Plants. IEEE Intelligent Systems, 2018, 33, 15-26.	4.0	19
58	Implemented IoT-Based Self-Learning Home Management System (SHMS) for Singapore. IEEE Internet of Things Journal, 2018, 5, 2212-2219.	5.5	93
59	Periodic Pulsed Thermography for Inner Defects Detection of Lead-Steel Bonded Structure. IEEE Sensors Journal, 2018, 18, 4679-4688.	2.4	9
60	Computational Deep Intelligence Vision Sensing for Nutrient Content Estimation in Agricultural Automation. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1243-1257.	3.4	35
61	Physics-Based Image Segmentation Using First Order Statistical Properties and Genetic Algorithm for Inductive Thermography Imaging. IEEE Transactions on Image Processing, 2018, 27, 2160-2175.	6.0	61
62	Thermal Pattern Contrast Diagnostic of Microcracks With Induction Thermography for Aircraft Braking Components. IEEE Transactions on Industrial Informatics, 2018, 14, 5563-5574.	7.2	44
63	Variational Bayesian Subgroup Adaptive Sparse Component Extraction for Diagnostic Imaging System. IEEE Transactions on Industrial Electronics, 2018, 65, 8142-8152.	5.2	55
64	Spatial-time-state fusion algorithm for defect detection through eddy current pulsed thermography. Infrared Physics and Technology, 2018, 90, 133-145.	1.3	10
65	Adaptive Overcurrent Protection for Power Systems with Distributed Generators. , 2018, , .		10
66	High-Performance CLL Resonant Multi-Channel LED Driver for Lighting Application. , 2018, , .		2
67	Anomaly Warning and Fault Detection in DC Pico-grid with enhanced k-Nearest Neighbours Technique. , 2018, , .		2
68	Overview of Adaptive Protection System for Modern Power Systems. , 2018, , .		8
69	Photovoltaic Power Forecasting using LSTM on Limited Dataset. , 2018, , .		19
70	Near-Optimal Day-Ahead Scheduling of Energy Storage System in Grid-Connected Microgrid. , 2018, , .		11
71	Application of Artificial Intelligence-based Technology in Cancer Management: A Commentary on the Deployment of Artificial Neural Networks. Anticancer Research, 2018, 38, 6607-6613.	0.5	32
72	Unsupervised Learning for Monaural Source Separation Using Maximization-“Minimization Algorithm with Time-“Frequency Deconvolution. Sensors, 2018, 18, 1371.	2.1	8

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73	Power Alert System using K-Means for Smart Home. , 2018, , .		2
74	Intelligent Street Lighting for Smart Cities. , 2018, , .		2
75	Proposed Optimised Smart Grid System using Multi-Agent System. , 2018, , .		1
76	Variational Bayes Sub-Group Adaptive Sparse Component Extraction for Diagnostic Imaging System. , 2018, , .		3
77	Advanced control strategy for an energy storage system in a grid-connected microgrid with renewable energy generation. IET Smart Grid, 2018, 1, 96-103.	1.5	15
78	Transfer Learning for Wearable Long-Term Social Speech Evaluations. IEEE Access, 2018, 6, 61305-61316.	2.6	13
79	Smart Grid Distribution Management System (SGDMS) for optimized electricity bills. , 2018, , .		1
80	Reverberant signal separation using optimized complex sparse nonnegative tensor deconvolution on spectral covariance matrix. , 2018, 83, 9-23.		6
81	A design of multi-mode excitation source for optical thermography nondestructive sensing. Infrared Physics and Technology, 2018, 94, 23-31.	1.3	3
82	Single channel informed signal separation using artificial stereophonic mixtures and exemplar-guided matrix factor deconvolution. International Journal of Adaptive Control and Signal Processing, 2018, 32, 1259-1281.	2.3	8
83	Optimal design of orders of DFrFTs for sparse representations. IET Signal Processing, 2018, 12, 1023-1033.	0.9	5
84	A low cost master and slave distributed intelligent meter for non-intrusive load classification and anomaly warning. , 2018, , .		2
85	Automatic seeded region growing for thermography debonding detection of CFRP. NDT and E International, 2018, 99, 36-49.	1.7	46
86	Ensemble Neural Networks and Image Analysis for On-Site Estimation of Nitrogen Content in Plants. Lecture Notes in Networks and Systems, 2018, , 103-118.	0.5	4
87	Personal verification based on multi-spectral finger texture lighting images. IET Signal Processing, 2018, 12, 1154-1164.	0.9	12
88	Dynamic Positioning Reliability Index (DP-RI) and Offline Forecasting of DP-RI During Complex Marine Operations. , 2018, , .		5
89	A Comparison of Response-Based Analysis and Environmental Contour Methods for FPSO Green Water Assessment. , 2018, , .		0
90	Robust Sclera Recognition System With Novel Sclera Segmentation and Validation Techniques. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 474-486.	5.9	48

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91	Blind separation of multicomponent seismic wavefield using SVD of reduced dimension spectral matrix. Journal of King Saud University - Computer and Information Sciences, 2017, 29, 39-53.	2.7	0
92	Robust Iris Segmentation Method Based on a New Active Contour Force With a Noncircular Normalization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 3128-3141.	5.9	67
93	Electromagnetic pulsed thermography for natural cracks inspection. Scientific Reports, 2017, 7, 42073.	1.6	22
94	Let air out of the bowel to allow more air in the lungs: surgical treatment of weaning failure. Thorax, 2017, 72, 1169-1170.	2.7	2
95	Prediction and analysis of energy generation from thermoelectric energy generator with operating environmental parameters. , 2017, , .		1
96	Efficient finger segmentation robust to hand alignment in imaging with application to human verification. , 2017, , .		9
97	C-Sync: Counter-based synchronization for duty-cycled wireless sensor networks. Ad Hoc Networks, 2017, 61, 51-64.	3.4	13
98	Finger texture biometric verification exploiting Multi-scale Sobel Angles Local Binary Pattern features and score-based fusion. , 2017, 70, 178-189.		28
99	Nondestructive Testing for Multi-Layer Metal-Metal Bonded Structure by Using Inductive Lock-In Thermography. IEEE Sensors Journal, 2017, 17, 6716-6723.	2.4	6
100	Ensemble variational Bayes tensor factorization for super resolution of CFRP debond detection. Infrared Physics and Technology, 2017, 85, 335-346.	1.3	18
101	Study on green water prediction for FPSOs by a practical numerical approach. Ocean Engineering, 2017, 143, 88-96.	1.9	15
102	Intelligent housing development building management system (HDBMS) for optimized electricity bills. , 2017, , .		9
103	Automatic Relevance Determination of Adaptive Variational Bayes Sparse Decomposition for Micro-Cracks Detection in Thermal Sensing. IEEE Sensors Journal, 2017, 17, 5220-5230.	2.4	9
104	Crack Evaluation Based on Novel Circle-Ferrite Induction Thermography. IEEE Sensors Journal, 2017, 17, 5637-5645.	2.4	15
105	Smart Sensing of Loads in an Extra Low Voltage DC Pico-Grid Using Machine Learning Techniques. IEEE Sensors Journal, 2017, 17, 7775-7783.	2.4	19
106	Sclera recognition: on the quality measure and segmentation of degraded images captured under relaxed imaging conditions. IET Biometrics, 2017, 6, 266-275.	1.6	19
107	Quantitative Surface Crack Evaluation Based on Eddy Current Pulsed Thermography. IEEE Sensors Journal, 2017, 17, 412-421.	2.4	69
108	Quantitative validation of Eddy current stimulated thermal features on surface crack. NDT and E International, 2017, 85, 1-12.	1.7	33

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109	Robust feature extraction and salvage schemes for finger texture based biometrics. IET Biometrics, 2017, 6, 43-52.	1.6	17
110	Regularized Neural Networks Fusion and Genetic Algorithm Based On-Field Nitrogen Status Estimation of Wheat Plants. IEEE Transactions on Industrial Informatics, 2017, 13, 103-114.	7.2	52
111	Underdetermined Convolutional Source Separation Using GEM-MU With Variational Approximated Optimum Model Order NMF2D. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 35-49.	4.0	16
112	Wearable Social Sensing: Content-Based Processing Methodology and Implementation. IEEE Sensors Journal, 2017, 17, 7167-7176.	2.4	24
113	Islanding detection of distributed generation in presence of fault events. , 2017, , .		8
114	Self-healing network instigated by distributed energy resources. , 2017, , .		3
115	Wearable Social Sensing and Its Application in Anxiety Assessment. , 2017, , .		4
116	Sound events separation and recognition using LiSparse complex nonnegative matrix factorization and multi-class mean supervector support vector machine. , 2017, , .		2
117	Blind 3D sound source direction using stereo microphones based on time-delay estimation and polar-pattern histogram. , 2017, , .		0
118	Forecasting of photovoltaic power using deep belief network. , 2017, , .		23
119	Day-ahead forecasting of wholesale electricity pricing using extreme learning machine. , 2017, , .		7
120	Comparison of I-vector and GMM-UBM approaches to speaker identification with TIMIT and NIST 2008 databases in challenging environments. , 2017, , .		9
121	Evaluation of a speaker identification system with and without fusion using three databases in the presence of noise and handset effects. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	9
122	Integrated Equivalent Circuit and Thermal Model for Simulation of Temperature-Dependent LiFePO4 Battery in Actual Embedded Application. Energies, 2017, 10, 85.	1.6	48
123	Ensemble Bayesian Tensor Factorization for Debond Thermal NDT. , 2017, , .		0
124	Spatial-Time-Step Features Fusion Algorithm in Eddy Current Pulsed Thermography. , 2017, , .		0
125	Artificial Neural Network Based Prediction of Energy Generation from Thermoelectric Generator with Environmental Parameters. Journal of Clean Energy Technologies, 2017, 5, 458-463.	0.1	16
126	Electromagnetic Thermography Nondestructive Evaluation: Physics-based Modeling and Pattern Mining. Scientific Reports, 2016, 6, 25480.	1.6	32

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127	Influence of environmental parameters on the prediction of thermoelectric generator energy generation. , 2016, , .		2
128	Thermoelectric energy harvesting for mobile phone charging application. , 2016, , .		12
129	DC equipment identification using K-means clustering and kNN classification techniques. , 2016, , .		9
130	Smart home demonstration on LabVolt Home Energy Production Training System. , 2016, , .		0
131	Forecasting of wind energy generation using Self-Organizing Maps and Extreme Learning Machines. , 2016, , .		7
132	Forecasting of photovoltaic power using regularized ensemble Extreme Learning Machine. , 2016, , .		12
133	Intelligent Multi-Agent System for Power Grid Communication. , 2016, , .		14
134	Efficient eye corner and gaze detection for sclera recognition under relaxed imaging constraints. , 2016, , .		6
135	Fuzzy logic control of energy storage system in microgrid operation. , 2016, , .		23
136	Implementation of demand side management of a smart home using multi-agent system. , 2016, , .		21
137	A multilevel threshold detection method for single-sensor multiple DC appliance states sensing. , 2016, , .		2
138	An Acoustic Annoyance Study of Hard Disk Drive for Laptop. IEEE Transactions on Magnetics, 2016, 52, 1-9.	1.2	2
139	Study of fusion strategies and exploiting the combination of MFCC and PNCC features for robust biometric speaker identification. , 2016, , .		19
140	Development of mobile application for smart home energy management: iSHome. , 2016, , .		1
141	Integration of a PV-battery hybrid system with the main power grid. , 2016, , .		9
142	Multidimensional Tensor-Based Inductive Thermography With Multiple Physical Fields for Offshore Wind Turbine Gear Inspection. IEEE Transactions on Industrial Electronics, 2016, 63, 6305-6315.	5.2	96
143	Non-Intrusive Appliance Load Monitoring and Identification for smart home. , 2016, , .		5
144	Study of statistical robust closed set speaker identification with feature and score-based fusion. , 2016, , .		9

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145	A Framework for Iris Biometrics Protection: A Marriage Between Watermarking and Visual Cryptography. IEEE Access, 2016, 4, 10180-10193.	2.6	22
146	Enhanced segmentation and complex-sclera features for human recognition with unconstrained visible-wavelength imaging. , 2016, , .		13
147	A novel biometric approach to generate ROC curve from the Probabilistic Neural Network. , 2016, , .		14
148	A novel method for sclera recognition with images captured on-the-move and at-a-distance. , 2016, , .		9
149	Computational intelligent color normalization for wheat plant images to support precision farming. , 2016, , .		3
150	Perspective projection for variance pose face recognition from camera calibration. , 2016, , .		0
151	Diffusion and separation mechanism of transient electromagnetic and thermal fields. International Journal of Thermal Sciences, 2016, 102, 308-318.	2.6	19
152	Non-stationary feature fusion of face and palmprint multimodal biometrics. Neurocomputing, 2016, 177, 49-61.	3.5	39
153	Unsupervised Diagnostic and Monitoring of Defects Using Waveguide Imaging With Adaptive Sparse Representation. IEEE Transactions on Industrial Informatics, 2016, 12, 405-416.	7.2	41
154	Unsupervised Sparse Pattern Diagnostic of Defects With Inductive Thermography Imaging System. IEEE Transactions on Industrial Informatics, 2016, 12, 371-383.	7.2	87
155	Analysis and compensation of voltage unbalance of a DFIG using predictive rotor current control. International Journal of Electrical Power and Energy Systems, 2016, 75, 8-18.	3.3	20
156	Online Noisy Single-Channel Source Separation Using Adaptive Spectrum Amplitude Estimator and Masking. IEEE Transactions on Signal Processing, 2016, 64, 1881-1895.	3.2	37
157	Selected Peer-Reviewed Articles from the 2015 International Conference on Integrated and Sustainable Transportation (INTGAST 2015), Melaka, Malaysia, 15â€“17 December 2015. Advanced Science Letters, 2016, 22, 2071-2072.	0.2	0
158	Nonnegative matrix factorization 2D with the flexible \hat{l}^2 -Divergence for single channel source separation. , 2015, , .		1
159	Intelligent distributed smart grid network " Reconfiguration. , 2015, , .		5
160	Human authentication with finger textures based on image feature enhancement. , 2015, , .		12
161	NMF2D-based source separation using extreme learning machine. , 2015, , .		0
162	Underdetermined reverberant acoustic source separation using weighted full-rank nonnegative tensor models. Journal of the Acoustical Society of America, 2015, 138, 3411-3426.	0.5	3

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163	Wireless digital demodulation system via hierarchical multiresolution empirical mode decomposition approach. , 2015, , .		0
164	Informed Single Channel Speech Separation with time-frequency exemplar GMM-HMM model. , 2015, , .		3
165	SMART centre of excellence: A tabletop demonstration kit. , 2015, , .		0
166	Variational regularized two-dimensional nonnegative matrix factorization with the flexible [szlig]-divergence for single channel source separation. , 2015, , .		0
167	Fast partial differential equation deâ€noising filter for mechanical vibration signal. Mathematical Methods in the Applied Sciences, 2015, 38, 4879-4890.	1.2	4
168	The importance of experience sharing as part of smart conditioning monitoring-a case study. IEEE Electrical Insulation Magazine, 2015, 31, 6-11.	1.1	0
169	Energy-efficient synchronization algorithm for duty-cycle MAC protocols. , 2015, , .		0
170	Modelling and simulation of a 12-cell battery power system with fault control for underwater robot. , 2015, , .		1
171	Genetic Algorithm based Back-Propagation Neural Network approach for fault diagnosis in lithium-ion battery system. , 2015, , .		8
172	k-NN graph construction based on markov random walk. , 2015, , .		0
173	Iris feature extraction using principally rotated complex wavelet filters (PR-CWF). , 2015, , .		6
174	Intelligent energy management of distributed energy storage systems in microgrid. , 2015, , .		4
175	Intelligent multi-agent system for smart home energy management. , 2015, , .		43
176	Forecasting of photovoltaic power using extreme learning machine. , 2015, , .		58
177	Virtual reality simulation of fuzzy-logic control during underwater dynamic positioning. Journal of Marine Science and Application, 2015, 14, 14-24.	0.7	13
178	Intelligent Control System for Microgrids Using Multiagent System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 1036-1045.	3.7	119
179	Pupil segmentation using active contour with shape prior. Proceedings of SPIE, 2015, , .	0.8	1
180	Single-channel blind separation using L1-sparse complex non-negative matrix factorization for acoustic signals. Journal of the Acoustical Society of America, 2015, 137, EL124-EL129.	0.5	18

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181	Lithium-ion battery modeling and validation for smart power system. , 2015, , .		7
182	DC appliance classification and identification using k-Nearest Neighbours technique on features extracted within the 1st second of current waveforms. , 2015, , .		9
183	Lagrangian relaxation hybrid with evolutionary algorithm for short-term generation scheduling. International Journal of Electrical Power and Energy Systems, 2015, 64, 356-364.	3.3	18
184	Single-channel separation using underdetermined blind autoregressive model and least absolute deviation. Neurocomputing, 2015, 147, 412-425.	3.5	19
185	Inferring dimensions from an image using automatic calibration. , 2014, , .		0
186	Machine Learning Source Separation Using Maximum a Posteriori Nonnegative Matrix Factorization. IEEE Transactions on Cybernetics, 2014, 44, 1169-1179.	6.2	49
187	Cochleagram-based audio pattern separation using two-dimensional non-negative matrix factorization with automatic sparsity adaptation. Journal of the Acoustical Society of America, 2014, 135, 1171-1185.	0.5	29
188	Thermography spatial-transient-stage mathematical tensor construction and material property variation track. International Journal of Thermal Sciences, 2014, 85, 112-122.	2.6	29
189	Face Recognition Based on Features Measurement Technique. , 2014, , .		0
190	Guidewire insertion planning for extracapsular hip fracture surgery. , 2014, , .		0
191	Fast and accurate method for complete iris segmentation with active contour and morphology. , 2014, , .		7
192	Thermography pattern analysis and separation. Applied Physics Letters, 2014, 104, .	1.5	40
193	Alternative approach in generating cancellable fingerprint by using matrices operations. , 2014, , .		3
194	Correction to "Wearable Audio Monitoring: Content-Based Processing Methodology and Implementation" [Apr 14 222-233]. IEEE Transactions on Human-Machine Systems, 2014, 44, 558-558.	2.5	0
195	Multi-linear neighborhood preserving projection for face recognition. Pattern Recognition, 2014, 47, 544-555.	5.1	20
196	Extension of DUET to single-channel mixing model and separability analysis. Signal Processing, 2014, 96, 261-265.	2.1	11
197	Predicting disability levels of community dwelling older individuals using single wrist mounted accelerometer. , 2014, , .		3
198	Smooth Nonnegative Matrix Factorization for Defect Detection Using Microwave Nondestructive Testing and Evaluation. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 923-934.	2.4	31

#	ARTICLE	IF	CITATIONS
199	Spatial-Frequency Spectrum Characteristics Analysis With Different Lift-Offs for Microwave Nondestructive Testing and Evaluation Using Itakura-Saito Nonnegative Matrix Factorization. IEEE Sensors Journal, 2014, 14, 1822-1830.	2.4	13
200	Impact Damage Detection and Identification Using Eddy Current Pulsed Thermography Through Integration of PCA and ICA. IEEE Sensors Journal, 2014, 14, 1655-1663.	2.4	119
201	Temperature recovery from degenerated infrared image based on the principle for temperature measurement using infrared sensor. Journal of Applied Physics, 2014, 115, .	1.1	10
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