Henry Leung

List of Publications by Year
in descending order

325 papers	6,360 citations	94433 37 h-index	106344 65 g-index
325 all docs	325 docs citations	325 times ranked	4933 citing authors

#	Article	IF	Citations
1	Modulating STDP With Back-Propagated Error Signals to Train SNNs for Audio Classification. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 89-101.	4.9	3
2	VB-Kalman Based Localization for Connected Vehicles With Delayed and Lost Measurements: Theory and Experiments. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1370-1378.	5.8	12
3	Consensus-Based Labeled Multi-Bernoulli Filter for Multitarget Tracking in Distributed Sensor Network. IEEE Transactions on Cybernetics, 2022, 52, 12722-12733.	9.5	14
4	An Adaptive Kalman Filter With Inaccurate Noise Covariances in the Presence of Outliers. IEEE Transactions on Automatic Control, 2022, 67, 374-381.	5.7	38
5	Distributed Integral-Type Edge Event- and Self-Triggered Synchronization for Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5259-5270.	9.3	6
6	Multirotor UAV-Borne Repeat-Pass CSM-VideoSAR. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2601-2605.	4.7	4
7	Multiresolution Analysis Based on Dual-Scale Regression for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	18
8	A Self-Tuning Cyber-Attacks' Location Identification Approach for Critical Infrastructures. IEEE Transactions on Industrial Informatics, 2022, 18, 5018-5027.	11.3	8
9	An Image-Based Radar Detector Approaching Optimal Likelihood Ratio Detector. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2063-2072.	4.7	1
10	An Applied Ambiguity Function Based on Dechirp for MIMO Radar Signal Analysis. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
11	A Gridless Fourth-Order Cumulant-Based DOA Estimation Method Under Unknown Colored Noise. IEEE Wireless Communications Letters, 2022, 11, 1037-1041.	5.0	3
12	Consensus-Based Labeled Multi-Bernoulli Filter With Event-Triggered Communication. IEEE Transactions on Signal Processing, 2022, 70, 1185-1196.	5.3	12
13	An Applied Frequency Scaling Algorithm Based on Local Stretch Factor for Near-Field Miniature Millimeter-Wave Radar Imaging. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2786-2801.	4.6	3
14	Variational Learning Data Fusion With Unknown Correlation. IEEE Transactions on Cybernetics, 2022, 52, 7814-7824.	9.5	2
15	Adaptive Weighted Optimization Framework for Multiobjective Long-Term Planning of Concentrate Ingredients in Copper Industry. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	0
16	Multi-stage dynamic optimization method for long-term planning of the concentrate ingredient in copper industry. Information Sciences, 2022, , .	6.9	3
17	External Wrench Estimation for UAVs Based on Variational Bayesian Unscented Kalman Filter. IEEE Robotics and Automation Letters, 2022, 7, 6814-6821.	5.1	1
18	Variational Bayesian Based Localization for Intelligent Vehicle Using Lidar and GPS Data Fusion: Algorithm and Experiments. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5659-5667.	5.8	1

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19	SAR Target Recognition Based on Probabilistic Meta-Learning. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 682-686.	3.1	17
20	Super-Resolution Mapping Based on Spatial–Spectral Correlation for Spectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2256-2268.	6.3	124
21	Hyperspectral Image Fusion and Multitemporal Image Fusion by Joint Sparsity. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7887-7900.	6.3	6
22	Detection Mechanism of Water Content in Oil–Water Emulsions by Coaxial Double Cylinder Electrodes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	3
23	A Review of Deep Learning Models for Time Series Prediction. IEEE Sensors Journal, 2021, 21, 7833-7848.	4.7	157
24	Structure-Aware Compressive Sensing for Magnetic Flux Leakage Detectors: Theory and Experimental Validation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	2
25	Robust Minimum Error Entropy Based Cubature Information Filter With Non-Gaussian Measurement Noise. IEEE Signal Processing Letters, 2021, 28, 349-353.	3.6	17
26	A Novel Deeplabv3+ Network for SAR Imagery Semantic Segmentation Based on the Potential Energy Loss Function of Gibbs Distribution. Remote Sensing, 2021, 13, 454.	4.0	11
27	Blind System Identification in Noise Using a Dynamic-Based Estimator. IEEE Access, 2021, 9, 12861-12878.	4.2	4
28	Feature-Level Fusion of Polarized SAR and Optical Images Based on Random Forest and Conditional Random Fields. Remote Sensing, 2021, 13, 1323.	4.0	2
29	A Switchable Unmanned Aerial Manipulator System for Window-Cleaning Robot Installation. IEEE Robotics and Automation Letters, 2021, 6, 3483-3490.	5.1	21
30	Blind Identification of Sparse Systems Using Symbolic Dynamics Encoding. IEEE Communications Letters, 2021, 25, 1650-1654.	4.1	0
31	A novel robust Kalman filter with unknown non-stationary heavy-tailed noise. Automatica, 2021, 127, 109511.	5.0	43
32	Machine Learning/Artificial Intelligence for Sensor Data Fusion–Opportunities and Challenges. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 80-93.	1.3	56
33	Harmonic Retrieval Joint Multiple Regression: Robust DOA Estimation for FMCW Radar in the Presence of Unknown Spatially Colored Noise. IEEE Communications Letters, 2021, 25, 2240-2244.	4.1	5
34	On the philosophical, cognitive and mathematical foundations of symbiotic autonomous systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200362.	3.4	21
35	Designing Sequences With Minimized Mean Sidelobe Level for Cognitive Radars. IEEE Access, 2021, 9, 101643-101654.	4.2	4
36	Patchwise dictionary learning for video forest fire smoke detection in wavelet domain. Neural Computing and Applications, 2021, 33, 7965-7977.	5.6	11

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37	Unified Coordinate System Formation for Airborne Videosar Imaging: Toward a Complete Scheme. , 2021, , .		1
38	Advances in Autonomous Systems: A Summary of the AutoDefence Summer School at IEEE ICAS'21. , 2021, , .		0
39	A Fusion Method of Optical Image and SAR Image Based on Dense-UGAN and Gram–Schmidt Transformation. Remote Sensing, 2021, 13, 4274.	4.0	13
40	Nonlinear Dynamics in Drilling Engineering. Shock and Vibration, 2021, 2021, 1-2.	0.6	0
41	Learning from low-rank multimodal representations for predicting disease-drug associations. BMC Medical Informatics and Decision Making, 2021, 21, 308.	3.0	10
42	A Robust Receiver Based on Chaos Modulation for the Industrial Internet of Things. IEEE Access, 2021, 9, 169309-169320.	4.2	4
43	The Effect of Motion-Induced Eddy Current on High-Speed Magnetic Flux Leakage (MFL) Inspection for Thick-Wall Steel Pipe. Research in Nondestructive Evaluation, 2020, 31, 48-67.	1.1	23
44	Adversarial-Example Attacks Toward Android Malware Detection System. IEEE Systems Journal, 2020, 14, 653-656.	4.6	56
45	A motion and lightness saliency approach for forest smoke segmentation and detection. Multimedia Tools and Applications, 2020, 79, 69-88.	3.9	12
46	Subpixel Land-Cover Mapping Based on Extended Random Walker. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 272-276.	3.1	0
47	Unimodular Waveform Design With Desired Ambiguity Function for Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2489-2496.	4.7	28
48	Scattering Key-Frame Extraction for Comprehensive VideoSAR Summarization: A Spatiotemporal Background Subtraction Perspective. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4768-4784.	4.7	14
49	A Visual-Inertial Vehicle Navigation System Based Line Feature. , 2020, , .		0
50	Component Interpretation for SAR Target Images Based on Deep Generative Model. IEEE Geoscience and Remote Sensing Letters, 2020, , 1-5.	3.1	0
51	Distance-directed Target Searching for a Deep Visual Servo SMA Driven Soft Robot Using Reinforcement Learning. Journal of Bionic Engineering, 2020, 17, 1126-1138.	5.0	28
52	Grid–less coherent DOA estimation based on fourth–order cumulants with Gaussian coloured noise. IET Radar, Sonar and Navigation, 2020, 14, 677-685.	1.8	6
53	Relaxation–based anomaly detection in cyber–physical systems using ensemble kalman filter. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 49-58.	3.3	34
54	Vision-Based Vehicle Detection for VideoSAR Surveillance Using Low-Rank Plus Sparse Three-Term Decomposition. IEEE Transactions on Vehicular Technology, 2020, 69, 4711-4726.	6.3	20

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55	Performance Analysis of Distributed Estimation for Data Fusion Using a Statistical Approach in Smart Grid Noisy Wireless Sensor Networks. Sensors, 2020, 20, 567.	3.8	13
56	Brain-Inspired Systems: A Transdisciplinary Exploration on Cognitive Cybernetics, Humanity, and Systems Science Toward Autonomous Artificial Intelligence. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 6-13.	1.4	48
57	Multiseries Featural LSTM for Partial Periodic Time-Series Prediction: A Case Study for Steel Industry. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5994-6003.	4.7	24
58	A Tripartite Theory of Trustworthiness for Autonomous Systems. , 2020, , .		11
59	Online distributed optimization and stabilization of regularization paths. , 2020, , .		0
60	Robust sensor fusion with heavy-tailed noises. Signal Processing, 2020, 175, 107659.	3.7	18
61	Robust Consensus Nonlinear Information Filter for Distributed Sensor Networks With Measurement Outliers. IEEE Transactions on Cybernetics, 2019, 49, 3731-3743.	9.5	39
62	Design of spectrally compatible waveform with constant modulus for colocated multipleâ€input multipleâ€output radar. IET Radar, Sonar and Navigation, 2019, 13, 1373-1388.	1.8	5
63	Locating Underground Pipe Using Wideband Chaotic Ground Penetrating Radar. Sensors, 2019, 19, 2913.	3.8	12
64	A Novel LSTM Approach for Asynchronous Multivariate Time Series Prediction. , 2019, , .		6
65	SAR Target Recognition Based On Variational Autoencoder. , 2019, , .		3
66	Frequency-agile Coherent Radar Target Sidelobe Suppression Based on Sparse Bayesian Learning. , 2019, , .		3
67	Moving target detection with single frequency-stepped burst using fast FRFT. , 2019, , .		0
68	Outdoor Semantic Segmentation for UGVs Based on CNN and Fully Connected CRFs. IEEE Sensors Journal, 2019, 19, 4290-4298.	4.7	11
69	Modeling of torsional oscillation of drillstring dynamics. Nonlinear Dynamics, 2019, 96, 267-283.	5.2	41
70	A Deep and Scalable Unsupervised Machine Learning System for Cyber-Attack Detection in Large-Scale Smart Grids. IEEE Access, 2019, 7, 80778-80788.	4.2	224
71	HI-SEAS habitat energy requirements and forecasting. Acta Astronautica, 2019, 162, 50-55.	3.2	5
72	Subpixel land cover mapping based on a new spatial attraction model with spatial-spectral information. International Journal of Remote Sensing, 2019, 40, 6444-6463.	2.9	6

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73	Subpixel Land Cover Mapping Based on Dual Processing Paths for Hyperspectral Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1835-1848.	4.9	9
74	A Review of Point Set Registration: From Pairwise Registration to Groupwise Registration. Sensors, 2019, 19, 1191.	3.8	60
75	Synthetic Aperture Radar Image Generation With Deep Generative Models. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 912-916.	3.1	28
76	Subpixel Mapping Based on Hopfield Neural Network With More Prior Information. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1284-1288.	3.1	13
77	On Autonomous Systems: From Reflexive, Imperative and Adaptive Intelligence to Autonomous and Cognitive Intelligence. , 2019, , .		11
78	Gridless Sparse Methods Based On Fourth-Order Cumulant for DOA Estimation. , 2019, , .		2
79	Method to suppress narrowband interference for OFDM radar. Journal of Engineering, 2019, 2019, 8170-8174.	1.1	0
80	Structure-from-Motion Retrieval from VideoSAR Sequences: Toward a Unified Framework. , 2019, , .		1
81	Outdoor RGB-D Mapping Using Intel-RealSense. , 2019, , .		2
82	A Self-Adaptive and Wide-Range Conductivity Measurement Method Based on Planar Interdigital Electrode Array. IEEE Access, 2019, 7, 173157-173165.	4.2	10
83	Multispectral Image Super-Resolution Burned-Area Mapping Based on Space-Temperature Information. Remote Sensing, 2019, 11, 2695.	4.0	6
84	Superresolution mapping based on hybrid interpolation by parallel paths. Remote Sensing Letters, 2019, 10, 149-157.	1.4	6
85	The Labeled Multi-Bernoulli Filter for Multitarget Tracking With Glint Noise. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2253-2268.	4.7	19
86	Improving Super-Resolution Flood Inundation Mapping for Multispectral Remote Sensing Image by Supplying More Spectral Information. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 771-775.	3.1	20
87	Robust Clutter Rejection in Passive Radar via Generalized Subband Cancellation. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1931-1946.	4.7	32
88	Data-Driven Cell Zooming for Large-Scale Mobile Networks. IEEE Transactions on Network and Service Management, 2018, 15, 156-168.	4.9	31
89	A New Optimization Algorithm Based on the Behavior of BrunsVigia Flower. , 2018, , .		1
90	Utilizing Parallel Networks to Produce Sub-Pixel Shifted Images With Multiscale Spatio-Spectral Information for Soft-Then-Hard Sub-Pixel Mapping. IEEE Access, 2018, 6, 57485-57496.	4.2	7

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91	A Video Based Fire Smoke Detection Using Robust AdaBoost. Sensors, 2018, 18, 3780.	3.8	34
92	An Integrated Decision Support System Based on the Human OODA Loop. , 2018, , .		2
93	Multi-target joint detection, tracking and classification based on random finite set for aerospace applications. Aerospace Systems, 2018, 1, 1-12.	1.4	3
94	Velocity Side Lobe Suppression Method for Frequency-Agile Coherent Radar. , 2018, , .		0
95	Joint Registration of Multiple Point Sets by Preserving Global and Local Structure. , 2018, , .		0
96	An Autonomous Vehicle Navigation System Based on Inertial and Visual Sensors. Sensors, 2018, 18, 2952.	3.8	14
97	Blind System Identification Using Symbolic Dynamics. IEEE Access, 2018, 6, 24888-24903.	4.2	9
98	Student-t mixture labeled multi-Bernoulli filter for multi-target tracking with heavy-tailed noise. Signal Processing, 2018, 152, 331-339.	3.7	31
99	Utilizing Pansharpening Technique to Produce Sub-Pixel Resolution Thematic Map from Coarse Remote Sensing Image. Remote Sensing, 2018, 10, 884.	4.0	21
100	Overview of Environment Perception for Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2584-2601.	8.0	251
101	Variational Bayesian Adaptive Cubature Information Filter Based on Wishart Distribution. IEEE Transactions on Automatic Control, 2017, 62, 6051-6057.	5.7	88
102	Track-to-Track Association by Coherent Point Drift. IEEE Signal Processing Letters, 2017, 24, 643-647.	3.6	17
103	Information fusion of stock prices and sentiment in social media using Granger causality. , 2017, , .		4
104	Fiber-Optic Acoustic-Based Disturbance Prediction in Pipelines Using Deep Learning. , 2017, 1, 1-4.		5
105	Challenges in the analysis of complex systems: introduction and overview. European Physical Journal: Special Topics, 2017, 226, 3185-3197.	2.6	3
106	Mixing chaos modulations for secure communications in OFDM systems. European Physical Journal: Special Topics, 2017, 226, 3287-3301.	2.6	8
107	An adaptive threshold deep learning method for fire and smoke detection. , 2017, , .		31
108	Synthesis-analysis deconvolutional network for compressed sensing. , 2017, , .		4

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109	Tensor-based descriptor for image registration via unsupervised network. , 2017, , .		5
110	A kinect-based SLAM in an unknown environment using geometric features. , 2017, , .		3
111	Log-Euclidean metric for robust multi-modal deformable registration. , 2017, , .		1
112	Fault Detection and Diagnosis in Chemical Processes Using Sparse Principal Component Selection. Journal of Chemical Engineering of Japan, 2017, 50, 31-44.	0.6	9
113	Deep Fusion of Multiple Networks for Learning Latent Social Communities. , 2017, , .		3
114	Incorporating Human Movement Behavior into the Analysis of Spatially Distributed Infrastructure. PLoS ONE, 2016, 11, e0147216.	2.5	13
115	Evaluation methods of similarity between simulated SAR images and real SAR images. , 2016, , .		4
116	Semi-Parametric Decolorization with Laplacian-based Perceptual Quality Metric. IEEE Transactions on Circuits and Systems for Video Technology, 2016, , 1-1.	8.3	27
117	Inorganic Material Detection Based on Electrode Sensor. IEEE Sensors Journal, 2016, 16, 4147-4148.	4.7	6
118	The chaotic dynamics of drilling. Nonlinear Dynamics, 2016, 83, 2003-2018.	5.2	16
119	The Kalman Filtering Blind Adaptive Multi-user Detector Based on Tracking Algorithm of Signal Subspace. Information (Switzerland), 2015, 6, 3-13.	2.9	1
120	Compromise Rank Genetic Programming for Automated Nonlinear Design of Disaster Management. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	1
121	A Novel Statistical Model for Distributed Estimation in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2015, 63, 3154-3164.	5.3	34
122	Target type recognition algorithm for SAR image based on multi-feature fusion classifier of KPFD. , 2015, , .		1
123	Mechanism and Experiment of Planar Electrode Sensors in Water Pollutant Measurement. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 516-523.	4.7	32
124	Colored three-dimensional reconstruction of vehicular thermal infrared images. Optical Engineering, 2015, 54, 063102.	1.0	1
125	Cognitive chaotic UWB-MIMO radar based on nonparametric Bayesian technique. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2360-2378.	4.7	10
126	Experimental Evaluation of Indoor Localization Using Wireless Sensor Networks. IEEE Sensors Journal, 2015, 15, 5228-5237.	4.7	59

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127	Receiver placement in multistatic passive radars. , 2015, , .		8
128	MIMO Passive Radar Tracking Under a Single Frequency Network. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1661-1671.	10.8	36
129	Dynamical Systems Approach for Predator-Prey Robot Behavior Control via Symbolic Dynamics Based Communication. , 2015, , 6621-6632.		2
130	Blind Equalization for Power-Line Communications Using Chaos. IEEE Transactions on Power Delivery, 2014, 29, 1103-1110.	4.3	6
131	Cognitive identification of systems using nonlinear dynamics. , 2014, , .		1
132	Hierarchical Modeling and Analysis of Social Roles for Collective Decision-Making Support. , 2014, , .		2
133	Long tail and small world characteristic of mobile internet traffic dynamics. , 2014, , .		1
134	Swing-leg retraction efficiency in bipedal walking. , 2014, , .		6
135	Multi-objective directional sensor placement for wireless sensor networks. , 2014, , .		1
136	Compensation of Delay Mismatch in a Direct Conversion Transmitter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 927-931.	3.0	5
137	EM-EKF based visual SLAM for simple robot localization. , 2014, , .		3
138	A Fast Learning Algorithm for Blind Data Fusion Using a Novel L_{2}-Norm Estimation. IEEE Sensors Journal, 2014, 14, 666-672.	4.7	11
139	Ensemble Registration of Multisensor Images by a Variational Bayesian Approach. IEEE Sensors Journal, 2014, 14, 2698-2705.	4.7	12
140	Blind multipath identification using compressive sensing for through-the-wall noise imaging radar. , 2014, , .		0
141	Blind Self-Calibration Technique for I/Q Imbalances and DC-Offsets. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1849-1859.	5.4	20
142	Joint I/Q Mismatch and Distortion Compensation in Direct Conversion Transmitters. IEEE Transactions on Wireless Communications, 2013, 12, 2941-2951.	9.2	27
143	Fuzzy Cognitive Map Based Situation Assessment Framework for Navigation Goal Detection. , 2013, , .		5
144	Extended Kalman Filter Based Echo State Network for Time Series Prediction using MapReduce Framework. , 2013, , .		9

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145	Dynamically identifying roles in social media by mapping real world. , 2013, , .		4
146	State Estimation in Unknown Non-Gaussian Measurement Noise using Variational Bayesian Technique. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2601-2614.	4.7	36
147	Access Point Selection under QoS Requirements in Variable Channel-Width WLANs. IEEE Wireless Communications Letters, 2013, 2, 114-117.	5.0	22
148	Blind Compensation of Frequency-Dependent I/Q Imbalance in Direct Conversion OFDM Receivers. IEEE Communications Letters, 2013, 17, 297-300.	4.1	19
149	A Segment Collision Inversion Protocol for RFID Tag Reading. IEEE Communications Letters, 2013, 17, 2008-2011.	4.1	2
150	A Multi-Bit Identification Protocol for RFID Tag Reading. IEEE Sensors Journal, 2013, 13, 3527-3536.	4.7	11
151	Challenges in Reconfigurable Radio Transceivers and Application of Nonlinear Signal Processing for RF Impairment Mitigation. IEEE Circuits and Systems Magazine, 2013, 13, 44-65.	2.3	19
152	A Blind AM/PM Estimation Method for Power Amplifier Linearization. IEEE Signal Processing Letters, 2013, 20, 1042-1045.	3.6	56
153	A variational Bayesian approach to robust sensor fusion based on Student-t distribution. Information Sciences, 2013, 221, 201-214.	6.9	102
154	A Delay-Aware Network Structure for Wireless Sensor Networks With In-Network Data Fusion. IEEE Sensors Journal, 2013, 13, 1622-1631.	4.7	76
155	Prediction Intervals for a Noisy Nonlinear Time Series Based on a Bootstrapping Reservoir Computing Network Ensemble. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1036-1048.	11.3	53
156	Multi Image Encryption and Steganography Based on Synchronization of Chaotic Lasers. , 2013, , .		2
157	Multimedia Data Fusion. Mathematical Problems in Engineering, 2013, 2013, 1-3.	1.1	1
158	A Novel Feature-Level Data Fusion Method for Indoor Autonomous Localization. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	0
159	The dynamic optimization approach to locomotion dynamics: human-like gaits from a minimally-constrained biped model. Advanced Robotics, 2013, 27, 845-859.	1.8	35
160	Cluster Synchronization of Predator Prey Robots. , 2013, , .		5
161	Resolution enhancement in passive SAR imaging using distributed multiband fusion. , 2013, , .		1
162	Optimal relative timing of stance push-off and swing leg retraction. , 2013, , .		14

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163	A maximum likelihood approach to state estimation of complex dynamical networks with unknown noisy transmission channel. , 2013, , .		1
164	Simultaneous Feature and Model Selection for Continuous Hidden Markov Models. IEEE Signal Processing Letters, 2012, 19, 279-282.	3.6	62
165	Channel equalization and timing recovery technique for chaotic communications systems. , 2012, , .		0
166	Efficient Spectrum Allocation and Time of Arrival Based Localization in Cognitive Networks. Wireless Personal Communications, 2012, 66, 813-831.	2.7	7
167	A Multi-Objective Optimization Framework for Cluster-Based Wireless Sensor Networks. , 2012, , .		6
168	Performance evaluation of transmission power optimization formulations in wireless sensor networks using pareto optimality. , 2012, , .		1
169	A Markov Random Field Approach for Sidescan Sonar Change Detection. IEEE Journal of Oceanic Engineering, 2012, 37, 659-669.	3.8	9
170	Pixel-Wise Spatial Pyramid-Based Hybrid Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1365-1376.	8.3	19
171	Participation in Repeated Cooperative Spectrum Sensing: A Game-Theoretic Perspective. IEEE Transactions on Wireless Communications, 2012, 11, 1000-1011.	9.2	17
172	A Genetic Algorithm-Inspired UUV Path Planner Based on Dynamic Programming. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1128-1134.	2.9	46
173	Recognizing human behavior through nonlinear dynamics and syntactic learning. , 2012, , .		6
174	Mobile robot localization using odometry and kinect sensor. , 2012, , .		62
175	An Experimental Vehicular Wireless System and Link Performance Analysis. IEEE/ASME Transactions on Mechatronics, 2012, 17, 508-518.	5.8	3
176	A Joint Fusion, Power Allocation and Delay Optimization Approach for Wireless Sensor Networks. IEEE Sensors Journal, 2011, 11, 737-744.	4.7	22
177	Electricity price thresholding and classification. , 2011, , .		2
178	Classification of Future Electricity Market Prices. IEEE Transactions on Power Systems, 2011, 26, 165-173.	6.5	74
179	Guest Editorial Special Issue on Cognitive Sensor Networks. IEEE Sensors Journal, 2011, 11, 519-521.	4.7	1
180	Optimizing Voting Rule for Cooperative Spectrum Sensing Through Learning Automata. IEEE Transactions on Vehicular Technology, 2011, 60, 3253-3264.	6.3	26

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181	Multi-camera tracking by joint calibration, association and fusion. , 2011, , .		3
182	Experimental characterization of packet-level for vehicular wireless network in urban. , 2011, , .		0
183	A Distributed Sensor Selection Mechanism for Cooperative Spectrum Sensing. IEEE Transactions on Signal Processing, 2011, 59, 6033-6044.	5.3	26
184	A game theoretic approach for resource allocation in Cognitive Wireless Sensor Networks. , 2011, , .		13
185	A Novel Ranking Method Based on Subjective Probability Theory for Evolutionary Multiobjective Optimization. Mathematical Problems in Engineering, 2011, 2011, 1-10.	1.1	1
186	Joint evaluation and mitigation of RF impairments and nonlinear distortion in WiMAX Transceiver under Nakagami-m fading channel. , 2011, , .		3
187	A chaotic motion controller for camera networks. , 2011, , .		3
188	An enhanced data rate chaos-based multilevel transceiver design exploiting ergodicity. , 2010, , .		5
189	A Novel Inversion Method for Outdoor Coverage Prediction in Wireless Cellular Network. IEEE Transactions on Vehicular Technology, 2010, 59, 36-47.	6.3	13
190	A Deconvolutive Neural Network for Speech Classification With Applications to Home Service Robot. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 3237-3243.	4.7	24
191	Global optimum human-like gaits for an articulated one-legged hopper. , 2010, , .		1
192	Stochastic delay differential equation and its application on communications. , 2010, , .		1
193	A COOPERATIVE MOBILE ROBOT TASK ASSIGNMENT AND COVERAGE PLANNING BASED ON CHAOS SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 161-176.	1.7	21
194	Context-aware collective decision making based on fuzzy outranking. , 2010, , .		0
195	An AUVs path planner using genetic algorithms with a deterministic crossover operator. , 2010, , .		6
196	Estimation of Packet Loss Rate at Wireless Link of VANET--RPLE. , 2010, , .		10
197	Colorizing single-band thermal night vision images. , 2010, , .		2
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199	Context-aware collective decision making in distributed environments. , 2010, , .		1
200	A Temporal Approach for Improving Intra-Frame Concealment Performance in H.264/AVC. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 422-426.	8.3	25
201	A Reliable and High-Bandwidth Multihop Wireless Sensor Network for Mine Tunnel Monitoring. IEEE Sensors Journal, 2009, 9, 1511-1517.	4.7	27
202	An integrated ACO-AHP approach for resource management optimization. , 2009, , .		8
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