

Henry Leung

List of Publications by Year in descending order

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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	Design and Analysis of Multiscroll Chaotic Attractors From Saturated Function Series. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 2476-2490.	0.1	289
2	A projection neural network and its application to constrained optimization problems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 447-458.	0.1	271
3	Overview of Environment Perception for Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2584-2601.	8.0	251
4	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
5	Experimental verification of multidirectional multiscroll chaotic attractors. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 149-165.	0.1	166
6	Prediction of noisy chaotic time series using an optimal radial basis function neural network. IEEE Transactions on Neural Networks, 2001, 12, 1163-1172.	4.2	165
7	A Review of Deep Learning Models for Time Series Prediction. IEEE Sensors Journal, 2021, 21, 7833-7848.	4.7	157
8	Design and implementation of n-scroll chaotic attractors from a general jerk circuit. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1459-1476.	0.1	148
9	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
10	A variational Bayesian approach to robust sensor fusion based on Student-t distribution. Information Sciences, 2013, 221, 201-214.	6.9	102
11	A novel chaos-based high-resolution imaging technique and its application to through-the-wall imaging. IEEE Signal Processing Letters, 2005, 12, 528-531.	3.6	92
12	Variational Bayesian Adaptive Cubature Information Filter Based on Wishart Distribution. IEEE Transactions on Automatic Control, 2017, 62, 6051-6057.	5.7	88
13	Fusion of Multispectral and Panchromatic Images Using a Restoration-Based Method. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1482-1491.	6.3	76
14	A Delay-Aware Network Structure for Wireless Sensor Networks With In-Network Data Fusion. IEEE Sensors Journal, 2013, 13, 1622-1631.	4.7	76
15	Classification of Future Electricity Market Prices. IEEE Transactions on Power Systems, 2011, 26, 165-173.	6.5	74
16	Simultaneous Registration and Fusion of Multiple Dissimilar Sensors for Cooperative Driving. IEEE Transactions on Intelligent Transportation Systems, 2004, 5, 84-98.	8.0	70
17	Tracking the direction-of-arrival of multiple moving targets by passive arrays: algorithm. IEEE Transactions on Signal Processing, 1999, 47, 2655-2666.	5.3	62
18	Simultaneous Feature and Model Selection for Continuous Hidden Markov Models. IEEE Signal Processing Letters, 2012, 19, 279-282.	3.6	62

#	ARTICLE	IF	CITATIONS
19	Mobile robot localization using odometry and kinect sensor. , 2012, , .		62
20	An Expectationâ€“Maximization-Based Interacting Multiple Model Approach for Cooperative Driving Systems. IEEE Transactions on Intelligent Transportation Systems, 2005, 6, 206-228.	8.0	60
21	A Review of Point Set Registration: From Pairwise Registration to Groupwise Registration. Sensors, 2019, 19, 1191.	3.8	60
22	Experimental Evaluation of Indoor Localization Using Wireless Sensor Networks. IEEE Sensors Journal, 2015, 15, 5228-5237.	4.7	59
23	System identification using chaos with application to equalization of a chaotic modulation system. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 314-320.	0.1	57
24	A Blind AM/PM Estimation Method for Power Amplifier Linearization. IEEE Signal Processing Letters, 2013, 20, 1042-1045.	3.6	56
25	Adversarial-Example Attacks Toward Android Malware Detection System. IEEE Systems Journal, 2020, 14, 653-656.	4.6	56
26	Machine Learning/Artificial Intelligence for Sensor Data Fusionâ€“Opportunities and Challenges. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 80-93.	1.3	56
27	Parameter estimation in chaotic noise. IEEE Transactions on Signal Processing, 1996, 44, 2456-2463.	5.3	54
28	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
29	Information fusion based smart home control system and its application. IEEE Transactions on Consumer Electronics, 2008, 54, 1157-1165.	3.6	49
30	An aperiodic phenomenon of the extended Kalman filter in filtering noisy chaotic signals. IEEE Transactions on Signal Processing, 2000, 48, 1807-1810.	5.3	48
31	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
32	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
33	Classification of audio radar signals using radial basis function neural networks. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1771-1779.	4.7	45
34	Sea-clutter modeling using a radial-basis-function neural network. IEEE Journal of Oceanic Engineering, 2001, 26, 358-372.	3.8	44
35	A novel robust Kalman filter with unknown non-stationary heavy-tailed noise. Automatica, 2021, 127, 109511.	5.0	43
36	Adaptive blind equalization for chaotic communication systems using extended-Kalman filter. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 979-989.	0.1	42

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37	Modeling of torsional oscillation of drillstring dynamics. <i>Nonlinear Dynamics</i> , 2019, 96, 267-283.	5.2	41
38	Identification of linear systems driven by chaotic signals using nonlinear prediction. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002, 49, 170-180.	0.1	40
39	Chaotic Watermarking for Video Authentication in Surveillance Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008, 18, 704-709.	8.3	39
40	Robust Consensus Nonlinear Information Filter for Distributed Sensor Networks With Measurement Outliers. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3731-3743.	9.5	39
41	Signal detection using the radial basis function coupled map lattice. <i>IEEE Transactions on Neural Networks</i> , 2000, 11, 1133-1151.	4.2	38
42	Secure communication using a chaos based signal encryption scheme. <i>IEEE Transactions on Consumer Electronics</i> , 2001, 47, 709-714.	3.6	38
43	Performance evaluation of EKF-based chaotic synchronization. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2001, 48, 1118-1125.	0.1	38
44	An Adaptive Kalman Filter With Inaccurate Noise Covariances in the Presence of Outliers. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 374-381.	5.7	38
45	Distributed sensing based on intelligent sensor networks. <i>IEEE Circuits and Systems Magazine</i> , 2008, 8, 38-52.	2.3	36
46	State Estimation in Unknown Non-Gaussian Measurement Noise using Variational Bayesian Technique. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2013, 49, 2601-2614.	4.7	36
47	MIMO Passive Radar Tracking Under a Single Frequency Network. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2015, 9, 1661-1671.	10.8	36
48	The dynamic optimization approach to locomotion dynamics: human-like gaits from a minimally-constrained biped model. <i>Advanced Robotics</i> , 2013, 27, 845-859.	1.8	35
49	A Novel Statistical Model for Distributed Estimation in Wireless Sensor Networks. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 3154-3164.	5.3	34
50	A Video Based Fire Smoke Detection Using Robust AdaBoost. <i>Sensors</i> , 2018, 18, 3780.	3.8	34
51	Relaxation-based anomaly detection in cyber-physical systems using ensemble kalman filter. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2020, 5, 49-58.	3.3	34
52	Mechanism and Experiment of Planar Electrode Sensors in Water Pollutant Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 516-523.	4.7	32
53	Robust Clutter Rejection in Passive Radar via Generalized Subband Cancellation. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018, 54, 1931-1946.	4.7	32
54	Adaptive identification of nonlinear systems with application to chaotic communications. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000, 47, 1072-1080.	0.1	31

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55	An adaptive threshold deep learning method for fire and smoke detection. , 2017, , .		31
56	Data-Driven Cell Zooming for Large-Scale Mobile Networks. IEEE Transactions on Network and Service Management, 2018, 15, 156-168.	4.9	31
57	Student-t mixture labeled multi-Bernoulli filter for multi-target tracking with heavy-tailed noise. Signal Processing, 2018, 152, 331-339.	3.7	31
58	Ergodic chaos-based communication schemes. Physical Review E, 2002, 66, 036203.	2.1	29
59	Quasi-orthogonal chaotic CDMA multi-user detection using optimal chaos synchronization. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 739-743.	2.2	28
60	Synthetic Aperture Radar Image Generation With Deep Generative Models. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 912-916.	3.1	28
61	Unimodular Waveform Design With Desired Ambiguity Function for Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2489-2496.	4.7	28
62	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
63	A multiple-model prediction approach for sea clutter modeling. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1491-1502.	6.3	27
64	A Reliable and High-Bandwidth Multihop Wireless Sensor Network for Mine Tunnel Monitoring. IEEE Sensors Journal, 2009, 9, 1511-1517.	4.7	27
65	Joint I/Q Mismatch and Distortion Compensation in Direct Conversion Transmitters. IEEE Transactions on Wireless Communications, 2013, 12, 2941-2951.	9.2	27
66	Semi-Parametric Decolorization with Laplacian-based Perceptual Quality Metric. IEEE Transactions on Circuits and Systems for Video Technology, 2016, , 1-1.	8.3	27
67	Matrix filter design using semi-infinite programming with application to DOA estimation. IEEE Transactions on Signal Processing, 2000, 48, 267-271.	5.3	26
68	Constrained unscented Kalman filter based fusion of GPS/INS/digital map for vehicle localization. , 0, , .		26
69	Optimizing Voting Rule for Cooperative Spectrum Sensing Through Learning Automata. IEEE Transactions on Vehicular Technology, 2011, 60, 3253-3264.	6.3	26
70	A Distributed Sensor Selection Mechanism for Cooperative Spectrum Sensing. IEEE Transactions on Signal Processing, 2011, 59, 6033-6044.	5.3	26
71	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
72	E-Nose Vapor Identification Based on Dempster-Shafer Fusion of Multiple Classifiers. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2273-2282.	4.7	24

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73	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
74	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
75	Tracking the direction-of-arrival of multiple moving targets by passive arrays: asymptotic performance analysis. IEEE Transactions on Signal Processing, 1999, 47, 2644-2654.	5.3	23
76	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
77	Estimating initial conditions of noisy chaotic signals generated by piecewise linear Markov maps using itineraries. IEEE Transactions on Signal Processing, 1999, 47, 3289-3302.	5.3	22
78	Dynamical Model Reconstruction and Accurate Prediction of Power-Pool Time Series. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 327-336.	4.7	22
79	A Joint Fusion, Power Allocation and Delay Optimization Approach for Wireless Sensor Networks. IEEE Sensors Journal, 2011, 11, 737-744.	4.7	22
80	Access Point Selection under QoS Requirements in Variable Channel-Width WLANs. IEEE Wireless Communications Letters, 2013, 2, 114-117.	5.0	22
81	Design of piecewise maps for chaotic spread-spectrum communications using genetic programming. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1543-1553.	0.1	21
82	An analog spread-spectrum interface for power-line data communication in home networking. IEEE Transactions on Power Delivery, 2005, 20, 80-89.	4.3	21
83	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
84	Utilizing Pansharping Technique to Produce Sub-Pixel Resolution Thematic Map from Coarse Remote Sensing Image. Remote Sensing, 2018, 10, 884.	4.0	21
85	A Switchable Unmanned Aerial Manipulator System for Window-Cleaning Robot Installation. IEEE Robotics and Automation Letters, 2021, 6, 3483-3490.	5.1	21
86	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
87	Narrow-band interference cancellation in spread-spectrum communication systems using chaos. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 847-858.	0.1	20
88	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
89	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
90	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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91	An ergodic approach for chaotic signal estimation at low SNR with application to ultra-wide-band communication. IEEE Transactions on Signal Processing, 2006, 54, 1091-1103.	5.3	19
92	Speech Bandwidth Extension by Data Hiding and Phonetic Classification. , 2007, , .		19
93	Telephony Speech Enhancement by Data Hiding. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 63-74.	4.7	19
94	Pixel-Wise Spatial Pyramid-Based Hybrid Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1365-1376.	8.3	19
95	Blind Compensation of Frequency-Dependent I/Q Imbalance in Direct Conversion OFDM Receivers. IEEE Communications Letters, 2013, 17, 297-300.	4.1	19
96	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
97	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
98	Equalization of speech and audio signals using a nonlinear dynamical approach. IEEE Transactions on Speech and Audio Processing, 1999, 7, 356-360.	1.5	18
99	Blind identification of autoregressive system using chaos. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1953-1964.	0.1	18
100	Semi-blind identification of ARMA systems using a dynamic-based approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 179-190.	0.1	18
101	A prediction fusion method for reconstructing spatial temporal dynamics using support vector machines. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 62-66.	2.2	18
102	Nonlinear Compensation of High Power Amplifier Distortion for Communication Using a Histogram-Based Method. IEEE Transactions on Signal Processing, 2006, 54, 4343-4351.	5.3	18
103	Experimental Evaluation of Predistortion Techniques for High-Power Amplifier. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2155-2164.	4.7	18
104	Robust sensor fusion with heavy-tailed noises. Signal Processing, 2020, 175, 107659.	3.7	18
105	Multiresolution Analysis Based on Dual-Scale Regression for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	18
106	Time-varying synchronization of chaotic systems in the presence of system mismatch. Physical Review E, 2004, 69, 026201.	2.1	17
107	Participation in Repeated Cooperative Spectrum Sensing: A Game-Theoretic Perspective. IEEE Transactions on Wireless Communications, 2012, 11, 1000-1011.	9.2	17
108	Track-to-Track Association by Coherent Point Drift. IEEE Signal Processing Letters, 2017, 24, 643-647.	3.6	17

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109	SAR Target Recognition Based on Probabilistic Meta-Learning. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 682-686.	3.1	17
110	Robust Minimum Error Entropy Based Cubature Information Filter With Non-Gaussian Measurement Noise. IEEE Signal Processing Letters, 2021, 28, 349-353.	3.6	17
111	The chaotic dynamics of drilling. Nonlinear Dynamics, 2016, 83, 2003-2018.	5.2	16
112	A region-based image fusion algorithm using multiresolution segmentation. , 0, , .		15
113	Reconstruction of polynomial systems from noisy time-series measurements using genetic programming. IEEE Transactions on Industrial Electronics, 2001, 48, 742-748.	7.9	14
114	Optimal relative timing of stance push-off and swing leg retraction. , 2013, , .		14
115	An Autonomous Vehicle Navigation System Based on Inertial and Visual Sensors. Sensors, 2018, 18, 2952.	3.8	14
116	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
117	Consensus-Based Labeled Multi-Bernoulli Filter for Multitarget Tracking in Distributed Sensor Network. IEEE Transactions on Cybernetics, 2022, 52, 12722-12733.	9.5	14
118	Blind identification of an autoregressive system using a nonlinear dynamical approach. IEEE Transactions on Signal Processing, 2000, 48, 3017-3027.	5.3	13
119	Reconstruction of Piecewise Chaotic Dynamic Using a Genetic Algorithm Multiple Model Approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 1210-1222.	0.1	13
120	Simultaneous Classification and Concentration Estimation for Electronic Nose. IEEE Sensors Journal, 2007, 7, 825-834.	4.7	13
121	Cooperative path planner for UAVs using ACO algorithm with Gaussian distribution functions. , 2009, , .		13
122	A Novel Inversion Method for Outdoor Coverage Prediction in Wireless Cellular Network. IEEE Transactions on Vehicular Technology, 2010, 59, 36-47.	6.3	13
123	A game theoretic approach for resource allocation in Cognitive Wireless Sensor Networks. , 2011, , .		13
124	Incorporating Human Movement Behavior into the Analysis of Spatially Distributed Infrastructure. PLoS ONE, 2016, 11, e0147216.	2.5	13
125	Subpixel Mapping Based on Hopfield Neural Network With More Prior Information. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1284-1288.	3.1	13
126	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

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127	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
128	EM-IMM based land-vehicle navigation with GPS/INS. , 0, , .		12
129	Ensemble Registration of Multisensor Images by a Variational Bayesian Approach. IEEE Sensors Journal, 2014, 14, 2698-2705.	4.7	12
130	Locating Underground Pipe Using Wideband Chaotic Ground Penetrating Radar. Sensors, 2019, 19, 2913.	3.8	12
131	A motion and lightness saliency approach for forest smoke segmentation and detection. Multimedia Tools and Applications, 2020, 79, 69-88.	3.9	12
132	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
133	Consensus-Based Labeled Multi-Bernoulli Filter With Event-Triggered Communication. IEEE Transactions on Signal Processing, 2022, 70, 1185-1196.	5.3	12
134	Spread-spectrum signals and the chaotic logistic map. Circuits, Systems, and Signal Processing, 1999, 18, 59-73.	2.0	11
135	Combined demodulation with adaptive blind-channel equalization for chaotic-modulation communication systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1811-1820.	0.1	11
136	Spreadspectrum image encoding and decoding using ergodic chaos. IEEE Transactions on Consumer Electronics, 2003, 49, 59-63.	3.6	11
137	High Level data fusion system for CanCoastWatch. , 2007, , .		11
138	A Multi-Bit Identification Protocol for RFID Tag Reading. IEEE Sensors Journal, 2013, 13, 3527-3536.	4.7	11
139	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
140	Outdoor Semantic Segmentation for UGVs Based on CNN and Fully Connected CRFs. IEEE Sensors Journal, 2019, 19, 4290-4298.	4.7	11
141	On Autonomous Systems: From Reflexive, Imperative and Adaptive Intelligence to Autonomous and Cognitive Intelligence. , 2019, , .		11
142	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
143	Patchwise dictionary learning for video forest fire smoke detection in wavelet domain. Neural Computing and Applications, 2021, 33, 7965-7977.	5.6	11
144	A Tripartite Theory of Trustworthiness for Autonomous Systems. , 2020, , .		11

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145	Analysis of color distortion and improvement for IHS image fusion. , 0, , .		10
146	Weak Signal Estimation in Chaotic Clutter Using Model-Based Coupled Synchronization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 820-828.	5.4	10
147	Estimation of Packet Loss Rate at Wireless Link of VANET-RPLE. , 2010, , .		10
148	Cognitive chaotic UWB-MIMO radar based on nonparametric Bayesian technique. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2360-2378.	4.7	10
149	A Self-Adaptive and Wide-Range Conductivity Measurement Method Based on Planar Interdigital Electrode Array. IEEE Access, 2019, 7, 173157-173165.	4.2	10
150	Learning from low-rank multimodal representations for predicting disease-drug associations. BMC Medical Informatics and Decision Making, 2021, 21, 308.	3.0	10
151	Design of noncoherent receiver for analog spread-spectrum communication based on chaotic masking. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 432-441.	0.1	9
152	Artificial Bandwidth Extension of Telephony Speech by Data Hiding. , 0, , .		9
153	Cooperation Random Mobile Robots Based on Chaos Synchronization. , 2007, , .		9
154	A Markov Random Field Approach for Sidescan Sonar Change Detection. IEEE Journal of Oceanic Engineering, 2012, 37, 659-669.	3.8	9
155	Extended Kalman Filter Based Echo State Network for Time Series Prediction using MapReduce Framework. , 2013, , .		9
156	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
157	Blind System Identification Using Symbolic Dynamics. IEEE Access, 2018, 6, 24888-24903.	4.2	9
158	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
159	A comparative study of different chaos based spread spectrum communication systems. , 0, , .		8
160	A robust chaos radar for collision detection and vehicular ranging in intelligent transportation systems. , 0, , .		8
161	A new regression estimator with neural network realization. IEEE Transactions on Signal Processing, 2005, 53, 672-685.	5.3	8
162	Network Intrusion Detection Using CFAR Abrupt-Change Detectors. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 490-497.	4.7	8

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163	An integrated ACO-AHP approach for resource management optimization. , 2009, , .		8
164	Receiver placement in multistatic passive radars. , 2015, , .		8
165	Mixing chaos modulations for secure communications in OFDM systems. European Physical Journal: Special Topics, 2017, 226, 3287-3301.	2.6	8
166	A Self-Tuning Cyber-Attacksâ€™ Location Identification Approach for Critical Infrastructures. IEEE Transactions on Industrial Informatics, 2022, 18, 5018-5027.	11.3	8
167	Blind identification of multichannel FIR systems based on linear prediction. IEEE Transactions on Signal Processing, 2000, 48, 2674-2678.	5.3	7
168	CFAR detection of weak target in clutter using chaos synchronization. International Journal of Circuit Theory and Applications, 2008, 36, 899-921.	2.0	7
169	Efficient Spectrum Allocation and Time of Arrival Based Localization in Cognitive Networks. Wireless Personal Communications, 2012, 66, 813-831.	2.7	7
170	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
171	Pixel visibility based multifocus image fusion. , 2003, , .		6
172	Concurrent data transmission through analog speech channel using data hiding. IEEE Signal Processing Letters, 2005, 12, 581-584.	3.6	6
173	An AUVs path planner using genetic algorithms with a deterministic crossover operator. , 2010, , .		6
174	A Multi-Objective Optimization Framework for Cluster-Based Wireless Sensor Networks. , 2012, , .		6
175	Recognizing human behavior through nonlinear dynamics and syntactic learning. , 2012, , .		6
176	Blind Equalization for Power-Line Communications Using Chaos. IEEE Transactions on Power Delivery, 2014, 29, 1103-1110.	4.3	6
177	Swing-leg retraction efficiency in bipedal walking. , 2014, , .		6
178	Inorganic Material Detection Based on Electrode Sensor. IEEE Sensors Journal, 2016, 16, 4147-4148.	4.7	6
179	A Novel LSTM Approach for Asynchronous Multivariate Time Series Prediction. , 2019, , .		6
180	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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181	Multispectral Image Super-Resolution Burned-Area Mapping Based on Space-Temperature Information. Remote Sensing, 2019, 11, 2695.	4.0	6
182	Superresolution mapping based on hybrid interpolation by parallel paths. Remote Sensing Letters, 2019, 10, 149-157.	1.4	6
183	Gridless coherent DOA estimation based on fourth-order cumulants with Gaussian coloured noise. IET Radar, Sonar and Navigation, 2020, 14, 677-685.	1.8	6
184	Hyperspectral Image Fusion and Multitemporal Image Fusion by Joint Sparsity. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7887-7900.	6.3	6
185	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
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