

Xiong Luo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124 papers	1,908 citations	25 h-index	39 g-index
155 ext. papers	2,529 ext. citations	3.6 avg, IF	5.62 L-index

#	Paper	IF	Citations
124	LIDAR: learning from imperfect demonstrations with advantage rectification. <i>Frontiers of Computer Science</i> , 2022 , 16, 1	2.2	
123	SIMPL: Generating Synthetic Overhead Imagery to Address Custom Zero-shot and Few-Shot Detection Problems. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022 , 1-1	4.7	0
122	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data 2022 , 568-585		
121	A Collaborative Optimization-Guided Entity Extraction Scheme. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021 , 190-205	0.2	1
120	Towards improving detection performance for malware with a correntropy-based deep learning method. <i>Digital Communications and Networks</i> , 2021 , 7, 570-570	5.9	3
119	Traditional Chinese medicine symptom normalization approach leveraging hierarchical semantic information and text matching with attention mechanism. <i>Journal of Biomedical Informatics</i> , 2021 , 116, 103718	10.2	0
118	A Hybrid Rao-NM Algorithm for Image Template Matching. <i>Entropy</i> , 2021 , 23,	2.8	2
117	S-PoDL: A two-stage computational-efficient consensus mechanism for blockchain-enabled multi-access edge computing. <i>Physical Communication</i> , 2021 , 46, 101338	2.2	2
116	3D-CNN-Based Sky Image Feature Extraction for Short-Term Global Horizontal Irradiance Forecasting. <i>Water (Switzerland)</i> , 2021 , 13, 1773	3	0
115	An edge computing-based predictive evaluation scheme toward geological drilling data using long short-term memory network. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021 , 32, e3888	1.9	1
114	Exponential Synchronization of Delayed Memristor-Based Uncertain Complex-Valued Neural Networks for Image Protection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 151-165	10.3	20
113	Blockchain-Enabled CyberPhysical Systems: A Review. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4023-4034	10.7	17
112	Demand Response for Industrial Micro-Grid Considering Photovoltaic Power Uncertainty and Battery Operational Cost. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3043-3055	10.7	18
111	Ophthalmic Disease Detection via Deep Learning With a Novel Mixture Loss Function. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 3332-3339	7.2	12
110	Projective synchronization of memristive multidirectional associative memory neural networks via self-triggered impulsive control and its application to image protection. <i>Chaos, Solitons and Fractals</i> , 2021 , 150, 111110	9.3	1
109	Soil-Moisture-Sensor-Based Automated Soil Water Content Cycle Classification With a Hybrid Symbolic Aggregate Approximation Algorithm. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14003-14012	10.7	6
108	Nonlinear consensus-based autonomous vehicle platoon control under event-triggered strategy in the presence of time delays. <i>Applied Mathematics and Computation</i> , 2021 , 404, 126246	2.7	2

107	Dynamic analysis of disease progression in Alzheimer's disease under the influence of hybrid synapse and spatially correlated noise. <i>Neurocomputing</i> , 2021 , 456, 23-35	5.4	1
106	Point and interval forecasting of solar irradiance with an active Gaussian process. <i>IET Renewable Power Generation</i> , 2020 , 14, 1020-1030	2.9	11
105	Event-Triggered Consensus Control for High-Speed Train With Time-Varying Actuator Fault. <i>IEEE Access</i> , 2020 , 8, 50553-50564	3.5	5
104	Fixed-time synchronization of fractional order memristive MAM neural networks by sliding mode control. <i>Neurocomputing</i> , 2020 , 401, 364-376	5.4	14
103	Robust Forecasting of River-Flow Based on Convolutional Neural Network. <i>IEEE Transactions on Sustainable Computing</i> , 2020 , 5, 594-600	3.5	6
102	. <i>Computer</i> , 2020 , 53, 26-34	1.6	5
101	Fault-Tolerant Platoon Control of Autonomous Vehicles Based on Event-Triggered Control Strategy. <i>IEEE Access</i> , 2020 , 8, 25122-25134	3.5	4
100	Short-term wind speed forecasting based on the Jaya-SVM model. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 121, 106056	5.1	63
99	Detecting Defects With Support Vector Machine in Logistics Packaging Boxes for Edge Computing. <i>IEEE Access</i> , 2020 , 8, 64002-64010	3.5	7
98	Secure Hierarchical Processing and Logging of Sensing Data and IoT Events with Blockchain 2020 ,		6
97	The Impact of Block Parameters on the Throughput and Security of Blockchains 2020 ,		7
96	An Autoencoder-Based Dimensionality Reduction Algorithm for Intelligent Clustering of Mineral Deposit Data. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 408-415	0.2	1
95	Ensemble Learning via Extreme Learning Machines for Imbalanced Data. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2020 , 59-88	0.4	1
94	Indoor Localization and Human Activity Tracking with Multiple Kinect Sensors. <i>Computer Communications and Networks</i> , 2020 , 23-42	0.5	2
93	Fixed-time Synchronization of Complex-valued Memristive BAM Neural Network and Applications in Image Encryption and Decryption. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 462-476	2.9	18
92	Categorizing Malware via A Word2Vec-based Temporal Convolutional Network Scheme. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2020 , 9,	3.2	6
91	Short-Term Soil Moisture Forecasting via Gaussian Process Regression with Sample Selection. <i>Water (Switzerland)</i> , 2020 , 12, 3085	3	10
90	Combining Post Sentiments and User Participation for Extracting Public Stances from Twitter. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8035	2.6	4

89	Self-Triggered Consensus of Vehicle Platoon System With Time-Varying Topology. <i>Frontiers in Neurorobotics</i> , 2020 , 14, 53	3.4	2
88	An Improved EncoderDecoder Network for Ore Image Segmentation. <i>IEEE Sensors Journal</i> , 2020 , 1-1	4	6
87	On Threat Analysis of IoT-Based Systems: A Survey 2020 ,		5
86	Improving Distantly-Supervised Named Entity Recognition for Traditional Chinese Medicine Text via a Novel Back-Labeling Approach. <i>IEEE Access</i> , 2020 , 8, 145413-145421	3.5	8
85	A robust multilayer extreme learning machine using kernel risk-sensitive loss criterion. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 197-216	3.8	11
84	A Parallel Recommender System Using a Collaborative Filtering Algorithm with Correntropy for Social Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 91-103	4.9	10
83	Deep generative smoke simulator: connecting simulated and real data. <i>Visual Computer</i> , 2020 , 36, 1385-1399	3.9	1
82	Weaklier Supervised Semantic Segmentation With Only One Image Level Annotation per Category. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 128-141	8.7	8
81	Kernel Mixture Correntropy Conjugate Gradient Algorithm for Time Series Prediction. <i>Entropy</i> , 2019 , 21,	2.8	5
80	On Consensus in Public Blockchains 2019 ,		7
79	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2019 , 13, 19-35	0.9	2
78	Logical Tree Based Secure Rekeying Management for Smart Devices Groups in IoT Enabled WSN. <i>IEEE Access</i> , 2019 , 7, 76699-76711	3.5	11
77	Fixed-time synchronization control of memristive MAM neural networks with mixed delays and application in chaotic secure communication. <i>Chaos, Solitons and Fractals</i> , 2019 , 126, 85-96	9.3	31
76	A Two-Stage Data-Driven Approach for Image-Based Wind Turbine Blade Crack Inspections. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 1271-1281	5.5	25
75	On the improvement of positioning accuracy in WiFi-based wireless network using correntropy-based kernel learning algorithms. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3614	1.9	0
74	A Novel Human Activity Recognition Scheme for Smart Health Using Multilayer Extreme Learning Machine. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1410-1418	10.7	60
73	User behavior prediction in social networks using weighted extreme learning machine with distribution optimization. <i>Future Generation Computer Systems</i> , 2019 , 93, 1023-1035	7.5	51
72	Combining Deep Neural Networks and Classical Time Series Regression Models for Forecasting Patient Flows in Hong Kong. <i>IEEE Access</i> , 2019 , 7, 118965-118974	3.5	9

71	Baseball Pitch Type Recognition Based on Broadcast Videos. <i>Communications in Computer and Information Science</i> , 2019 , 328-344	0.3	2
70	Semi-automated Development of a Dataset for Baseball Pitch Type Recognition. <i>Communications in Computer and Information Science</i> , 2019 , 345-359	0.3	1
69	Depthwise Separable Convolution Feature Learning for Ihomogeneous Rock Image Classification. <i>Communications in Computer and Information Science</i> , 2019 , 165-176	0.3	2
68	Study of Three-Dimensional Digital Core Reconstruction Based on Multiple-Point Geostatistics in a Cylindrical Coordinate System. <i>IEEE Access</i> , 2019 , 7, 178522-178527	3.5	1
67	Compliance Control Using Hydraulic Heavy-Duty Manipulator. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1193-1201	11.9	9
66	A hybrid global maximum power point tracking method for photovoltaic arrays under partial shading conditions. <i>Optik</i> , 2019 , 180, 665-674	2.5	18
65	Pinning Synchronization of Coupled Memristive Recurrent Neural Networks with Mixed Time-Varying Delays and Perturbations. <i>Neural Processing Letters</i> , 2019 , 49, 239-262	2.4	12
64	Attention-Based Relation Extraction With Bidirectional Gated Recurrent Unit and Highway Network in the Analysis of Geological Data. <i>IEEE Access</i> , 2018 , 6, 5705-5715	3.5	33
63	Passivity of memristive BAM neural networks with leakage and additive time-varying delays. <i>Modern Physics Letters B</i> , 2018 , 32, 1850041	1.6	4
62	Performance Analysis and Evaluation for Active Antenna Arrays Under Three-Dimensional Wireless Channel Model. <i>IEEE Access</i> , 2018 , 6, 19131-19139	3.5	7
61	Exponential lag function projective synchronization of memristor-based multidirectional associative memory neural networks via hybrid control. <i>Modern Physics Letters B</i> , 2018 , 32, 1850116	1.6	9
60	Timeliness online regularized extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 465-476	3.8	13
59	Towards enhancing stacked extreme learning machine with sparse autoencoder by correntropy. <i>Journal of the Franklin Institute</i> , 2018 , 355, 1945-1966	4	66
58	Short-Term Wind Speed Forecasting via Stacked Extreme Learning Machine With Generalized Correntropy. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4963-4971	11.9	132
57	Parameter Estimation for Soil Water Retention Curve Using the Salp Swarm Algorithm. <i>Water (Switzerland)</i> , 2018 , 10, 815	3	42
56	Finite-Time Synchronization of Chaotic Memristive Multidirectional Associative Memory Neural Networks and Applications in Image Encryption. <i>IEEE Access</i> , 2018 , 6, 35764-35779	3.5	11
55	A Lightweight Digital Signature Based Security Scheme for Human-Centered Internet of Things. <i>IEEE Access</i> , 2018 , 6, 31630-31643	3.5	28
54	Stability analysis of memristive multidirectional associative memory neural networks and applications in information storage. <i>Modern Physics Letters B</i> , 2018 , 32, 1850207	1.6	8

53	Parameter identification of the photovoltaic cell model with a hybrid Jaya-NM algorithm. <i>Optik</i> , 2018 , 171, 200-203	2.5	26
52	Human Action Recognition with Skeleton Data Using Extreme Learning Machine. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 449-456	0.2	
51	An Adaptive Dynamic Programming Control Scheme Using Tunable Radial Basis Function. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 457-464	0.2	
50	Day-Ahead Forecasting of Hourly Photovoltaic Power Based on Robust Multilayer Perception. <i>Sustainability</i> , 2018 , 10, 4863	3.6	10
49	Technology-Facilitated Detection of Mild Cognitive Impairment: A Review 2018 ,		4
48	Finite-Time Projective Synchronization of Memristor-Based BAM Neural Networks and Applications in Image Encryption. <i>IEEE Access</i> , 2018 , 6, 56457-56476	3.5	13
47	The stability of memristive multidirectional associative memory neural networks with time-varying delays in the leakage terms via sampled-data control. <i>PLoS ONE</i> , 2018 , 13, e0204002	3.7	
46	Resource Allocation in the Cognitive Radio Network-Aided Internet of Things for the Cyber-Physical-Social System: An Efficient Jaya Algorithm. <i>Sensors</i> , 2018 , 18,	3.8	3
45	Asymptotic anti-synchronization of memristor-based BAM neural networks with probabilistic mixed time-varying delays and its application. <i>Modern Physics Letters B</i> , 2018 , 32, 1850287	1.6	6
44	Passivity of Memristive BAM Neural Networks with Probabilistic and Mixed Time-Varying Delays. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-25	1.1	
43	Synchronization of a Class of Memristive Stochastic Bidirectional Associative Memory Neural Networks with Mixed Time-Varying Delays via Sampled-Data Control. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-24	1.1	1
42	Synchronization Control of Memristive Multidirectional Associative Memory Neural Networks and Applications in Network Security Communication. <i>IEEE Access</i> , 2018 , 6, 36002-36018	3.5	11
41	Big Data Management for Cloud-Enabled Geological Information Services. <i>Scientific Programming</i> , 2018 , 2018, 1-13	1.4	2
40	Finite-time anti-synchronization of memristive stochastic BAM neural networks with probabilistic time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2018 , 113, 244-260	9.3	18
39	Scientific Programming towards a Smart World. <i>Scientific Programming</i> , 2017 , 2017, 1-2	1.4	2
38	Improving Classification Performance through an Advanced Ensemble Based Heterogeneous Extreme Learning Machines. <i>Computational Intelligence and Neuroscience</i> , 2017 , 2017, 3405463	3	17
37	A Robust Text Classifier Based on Denoising Deep Neural Network in the Analysis of Big Data. <i>Scientific Programming</i> , 2017 , 2017, 1-10	1.4	11
36	Exponential Antisynchronization Control of Stochastic Memristive Neural Networks with Mixed Time-Varying Delays Based on Novel Delay-Dependent or Delay-Independent Adaptive Controller. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-16	1.1	10

35	A quantized kernel least mean square scheme with entropy-guided learning for intelligent data analysis. <i>China Communications</i> , 2017 , 14, 1-10	3	42
34	Synchronization of memristive BAM neural networks with leakage delay and additive time-varying delay components via sampled-data control. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 84-97	9.3	34
33	. <i>IEEE Access</i> , 2017 , 5, 21382-21394	3.5	29
32	. <i>IEEE Transactions on Human-Machine Systems</i> , 2017 , 47, 343-355	4.1	44
31	Fog Computing Based Face Identification and Resolution Scheme in Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1910-1920	11.9	144
30	A heterogeneous ensemble of extreme learning machines with correntropy and negative correlation. <i>Tsinghua Science and Technology</i> , 2017 , 22, 691-701	3.4	7
29	Enhancing body mechanics training for bedside care activities with a Kinect-based system 2017 ,		2
28	2017 ,		4
27	Efficient DV-HOP Localization for Wireless Cyber-Physical Social Sensing System: A Correntropy-Based Neural Network Learning Scheme. <i>Sensors</i> , 2017 , 17,	3.8	34
26	Technology-Facilitated Diagnosis and Treatment of Individuals with Autism Spectrum Disorder: An Engineering Perspective. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1051	2.6	34
25	A Quantized Kernel Learning Algorithm Using a Minimum Kernel Risk-Sensitive Loss Criterion and Bilateral Gradient Technique. <i>Entropy</i> , 2017 , 19, 365	2.8	32
24	Regression and classification using extreme learning machine based on L1-norm and L2-norm. <i>Neurocomputing</i> , 2016 , 174, 179-186	5.4	58
23	Byzantine fault tolerance for collaborative editing with commutative operations 2016 ,		2
22	High-throughput state-machine replication using software transactional memory. <i>Journal of Supercomputing</i> , 2016 , 72, 4379-4398	2.5	3
21	A novel hidden danger prediction method in cloud-based intelligent industrial production management using timeliness managing extreme learning machine. <i>China Communications</i> , 2016 , 13, 74-82	3	3
20	Cognitively Inspired 6D Motion Estimation of a Noncooperative Target Using Monocular RGB-D Images. <i>Cognitive Computation</i> , 2016 , 8, 105-113	4.4	1
19	A laguerre neural network-based ADP learning scheme with its application to tracking control in the Internet of Things. <i>Personal and Ubiquitous Computing</i> , 2016 , 20, 361-372	2.1	38
18	A large-scale web QoS prediction scheme for the Industrial Internet of Things based on a kernel machine learning algorithm. <i>Computer Networks</i> , 2016 , 101, 81-89	5.4	49

17	A kernel machine-based secure data sensing and fusion scheme in wireless sensor networks for the cyber-physical systems. <i>Future Generation Computer Systems</i> , 2016 , 61, 85-96	7.5	87
16	Prediction of Pulp Concentration Using Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 179-187	0.2	
15	Cyber-physical-social-thinking modeling and computing for geological information service system. <i>International Journal of Distributed Sensor Networks</i> , 2016 , 12, 155014771666666	1.7	8
14	An Entropy-Based Kernel Learning Scheme toward Efficient Data Prediction in Cloud-Assisted Network Environments. <i>Entropy</i> , 2016 , 18, 274	2.8	2
13	A privacy-aware Kinect-based system for healthcare professionals 2016 ,		14
12	Intention preservation in deterministic multithreading: a partial solution. <i>IET Software</i> , 2016 , 10, 155-163		
11	A novel data fusion scheme using grey model and extreme learning machine in wireless sensor networks. <i>International Journal of Control, Automation and Systems</i> , 2015 , 13, 539-546	2.9	33
10	Cyber-Physical-Social-Thinking Modeling and Computing for Geological Information Service System 2015 ,		7
9	Web Service QoS Prediction Based on Adaptive Dynamic Programming Using Fuzzy Neural Networks for Cloud Services. <i>IEEE Access</i> , 2015 , 3, 2260-2269	3.5	59
8	Online Optimization of Collaborative Web Service QoS Prediction Based on Approximate Dynamic Programming. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 452492	1.7	12
7	A Taylor Based Localization Algorithm for Wireless Sensor Network Using Extreme Learning Machine. <i>IEICE Transactions on Information and Systems</i> , 2014 , E97.D, 2652-2659	0.6	7
6	Attitude tracking control for hypersonic vehicles based on type-2 fuzzy dynamic characteristic modeling method 2014 ,		3
5	Longitudinal control of hypersonic vehicles based on direct heuristic dynamic programming using ANFIS 2014 ,		4
4	An improved self-localization algorithm for Ad hoc network based on extreme learning machine 2014 ,		5
3	An integrated design for intensified direct heuristic dynamic programming 2013 ,		6
2	Fuzzy dynamic characteristic model based attitude control of hypersonic vehicle in gliding phase. <i>Science China Information Sciences</i> , 2011 , 54, 448-459	3.4	25
1	A new approach to fuzzy modeling and control for nonlinear dynamic systems: Neuro-fuzzy dynamic characteristic modeling and adaptive control mechanism. <i>International Journal of Control, Automation and Systems</i> , 2009 , 7, 123-132	2.9	10