Xiong Luo

List of Publications by Citations

124	1,908	25	39
papers	citations	h-index	g-index

155	2,529	3.6	5.62
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
124	Fog Computing Based Face Identification and Resolution Scheme in Internet of Things. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 1910-1920	11.9	144
123	Short-Term Wind Speed Forecasting via Stacked Extreme Learning Machine With Generalized Correntropy. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 4963-4971	11.9	132
122	A kernel machine-based secure data sensing and fusion scheme in wireless sensor networks for the cyber-physical systems. *Future Generation Computer Systems*, **2016**, 61, 85-96	7.5	87
121	Towards enhancing stacked extreme learning machine with sparse autoencoder by correntropy. *Journal of the Franklin Institute*, **2018**, 355, 1945-1966	4	66
120	Short-term wind speed forecasting based on the Jaya-SVM model. *International Journal of Electrical Power and Energy Systems*, **2020**, 121, 106056	5.1	63
119	A Novel Human Activity Recognition Scheme for Smart Health Using Multilayer Extreme Learning Machine. *IEEE Internet of Things Journal*, **2019**, 6, 1410-1418	10.7	60
118	Web Service QoS Prediction Based on Adaptive Dynamic Programming Using Fuzzy Neural Networks for Cloud Services. *IEEE Access*, **2015**, 3, 2260-2269	3.5	59
117	Regression and classification using extreme learning machine based on L1-norm and L2-norm. *Neurocomputing*, **2016**, 174, 179-186	5.4	58
116	User behavior prediction in social networks using weighted extreme learning machine with distribution optimization. *Future Generation Computer Systems*, **2019**, 93, 1023-1035	7.5	51
115	A large-scale web QoS prediction scheme for the Industrial Internet of Things based on a kernel machine learning algorithm. *Computer Networks*, **2016**, 101, 81-89	5.4	49
114	. *IEEE Transactions on Human-Machine Systems*, **2017**, 47, 343-355	4.1	44
113	A quantized kernel least mean square scheme with entropy-guided learning for intelligent data analysis. *China Communications*, **2017**, 14, 1-10	3	42
112	Parameter Estimation for Soil Water Retention Curve Using the Salp Swarm Algorithm. *Water (Switzerland)*, **2018**, 10, 815	3	42
111	A laguerre neural network-based ADP learning scheme with its application to tracking control in the Internet of Things. *Personal and Ubiquitous Computing*, **2016**, 20, 361-372	2.1	38
110	Synchronization of memristive BAM neural networks with leakage delay and additive time-varying delay components via sampled-data control. *Chaos, Solitons and Fractals*, **2017**, 104, 84-97	9.3	34
109	Efficient DV-HOP Localization for Wireless Cyber-Physical Social Sensing System: A Correntropy-Based Neural Network Learning Scheme. *Sensors*, **2017**, 17,	3.8	34
108	Technology-Facilitated Diagnosis and Treatment of Individuals with Autism Spectrum Disorder: An Engineering Perspective. *Applied Sciences (Switzerland)*, **2017**, 7, 1051	2.6	34

107	A novel data fusion scheme using grey model and extreme learning machine in wireless sensor networks. *International Journal of Control, Automation and Systems*, **2015**, 13, 539-546	2.9	33
106	Attention-Based Relation Extraction With Bidirectional Gated Recurrent Unit and Highway Network in the Analysis of Geological Data. *IEEE Access*, **2018**, 6, 5705-5715	3.5	33
105	A Quantized Kernel Learning Algorithm Using a Minimum Kernel Risk-Sensitive Loss Criterion and Bilateral Gradient Technique. *Entropy*, **2017**, 19, 365	2.8	32
104	Fixed-time synchronization control of memristive MAM neural networks with mixed delays and application in chaotic secure communication. *Chaos, Solitons and Fractals*, **2019**, 126, 85-96	9.3	31
103	. *IEEE Access*, **2017**, 5, 21382-21394	3.5	29
102	A Lightweight Digital Signature Based Security Scheme for Human-Centered Internet of Things. *IEEE Access*, **2018**, 6, 31630-31643	3.5	28
101	Parameter identification of the photovoltaic cell model with a hybrid Jaya-NM algorithm. *Optik*, **2018**, 171, 200-203	2.5	26
100	A Two-Stage Data-Driven Approach for Image-Based Wind Turbine Blade Crack Inspections. *IEEE/ASME Transactions on Mechatronics*, **2019**, 24, 1271-1281	5.5	25
99	Fuzzy dynamic characteristic model based attitude control of hypersonic vehicle in gliding phase. *Science China Information Sciences*, **2011**, 54, 448-459	3.4	25
98	Exponential Synchronization of Delayed Memristor-Based Uncertain Complex-Valued Neural Networks for Image Protection. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 151-165	10.3	20
97	Fixed-time Synchronization of Complex-valued Memristive BAM Neural Network and Applications in Image Encryption and Decryption. *International Journal of Control, Automation and Systems*, **2020**, 18, 462-476	2.9	18
96	A hybrid global maximum power point tracking method for photovoltaic arrays under partial shading conditions. *Optik*, **2019**, 180, 665-674	2.5	18
95	Finite-time anti-synchronization of memristive stochastic BAM neural networks with probabilistic time-varying delays. *Chaos, Solitons and Fractals*, **2018**, 113, 244-260	9.3	18
94	Demand Response for Industrial Micro-Grid Considering Photovoltaic Power Uncertainty and Battery Operational Cost. *IEEE Transactions on Smart Grid*, **2021**, 12, 3043-3055	10.7	18
93	Improving Classification Performance through an Advanced Ensemble Based Heterogeneous Extreme Learning Machines. *Computational Intelligence and Neuroscience*, **2017**, 2017, 3405463	3	17
92	Blockchain-Enabled Cyber-Physical Systems: A Review. *IEEE Internet of Things Journal*, **2021**, 8, 4023-4034	10.7	17
91	Fixed-time synchronization of fractional order memristive MAM neural networks by sliding mode control. *Neurocomputing*, **2020**, 401, 364-376	5.4	14
90	A privacy-aware Kinect-based system for healthcare professionals **2016**,		14

89	Timeliness online regularized extreme learning machine. *International Journal of Machine Learning and Cybernetics*, **2018**, 9, 465-476	3.8	13
88	Finite-Time Projective Synchronization of Memristor-Based BAM Neural Networks and Applications in Image Encryption. *IEEE Access*, **2018**, 6, 56457-56476	3.5	13
87	Online Optimization of Collaborative Web Service QoS Prediction Based on Approximate Dynamic Programming. *International Journal of Distributed Sensor Networks*, **2015**, 11, 452492	1.7	12
86	Pinning Synchronization of Coupled Memristive Recurrent Neural Networks with Mixed Time-Varying Delays and Perturbations. *Neural Processing Letters*, **2019**, 49, 239-262	2.4	12
85	Ophthalmic Disease Detection via Deep Learning With a Novel Mixture Loss Function. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 3332-3339	7.2	12
84	Logical Tree Based Secure Rekeying Management for Smart Devices Groups in IoT Enabled WSN. *IEEE Access*, **2019**, 7, 76699-76711	3.5	11
83	Point and interval forecasting of solar irradiance with an active Gaussian process. *IET Renewable Power Generation*, **2020**, 14, 1020-1030	2.9	11
82	A Robust Text Classifier Based on Denoising Deep Neural Network in the Analysis of Big Data. *Scientific Programming*, **2017**, 2017, 1-10	1.4	11
81	Finite-Time Synchronization of Chaotic Memristive Multidirectional Associative Memory Neural Networks and Applications in Image Encryption. *IEEE Access*, **2018**, 6, 35764-35779	3.5	11
80	A robust multilayer extreme learning machine using kernel risk-sensitive loss criterion. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 197-216	3.8	11
79	Synchronization Control of Memristive Multidirectional Associative Memory Neural Networks and Applications in Network Security Communication. *IEEE Access*, **2018**, 6, 36002-36018	3.5	11
78	Exponential Antisynchronization Control of Stochastic Memristive Neural Networks with Mixed Time-Varying Delays Based on Novel Delay-Dependent or Delay-Independent Adaptive Controller. *Mathematical Problems in Engineering*, **2017**, 2017, 1-16	1.1	10
77	A new approach to fuzzy modeling and control for nonlinear dynamic systems: Neuro-fuzzy dynamic characteristic modeling and adaptive control mechanism. *International Journal of Control, Automation and Systems*, **2009**, 7, 123-132	2.9	10
76	Short-Term Soil Moisture Forecasting via Gaussian Process Regression with Sample Selection. *Water (Switzerland)*, **2020**, 12, 3085	3	10
75	A Parallel Recommender System Using a Collaborative Filtering Algorithm with Correntropy for Social Networks. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 91-103	4.9	10
74	Day-Ahead Forecasting of Hourly Photovoltaic Power Based on Robust Multilayer Perception. *Sustainability*, **2018**, 10, 4863	3.6	10
73	Exponential lag function projective synchronization of memristor-based multidirectional associative memory neural networks via hybrid control. *Modern Physics Letters B*, **2018**, 32, 1850116	1.6	9
72	Combining Deep Neural Networks and Classical Time Series Regression Models for Forecasting Patient Flows in Hong Kong. *IEEE Access*, **2019**, 7, 118965-118974	3.5	9

71	Compliance Control Using Hydraulic Heavy-Duty Manipulator. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1193-1201	11.9	9
70	Stability analysis of memristive multidirectional associative memory neural networks and applications in information storage. *Modern Physics Letters B*, **2018**, 32, 1850207	1.6	8
69	Improving Distantly-Supervised Named Entity Recognition for Traditional Chinese Medicine Text via a Novel Back-Labeling Approach. *IEEE Access*, **2020**, 8, 145413-145421	3.5	8
68	Cyber-physical-social-thinking modeling and computing for geological information service system. *International Journal of Distributed Sensor Networks*, **2016**, 12, 155014771666666	1.7	8
67	Weaklier Supervised Semantic Segmentation With Only One Image Level Annotation per Category. *IEEE Transactions on Image Processing*, **2020**, 29, 128-141	8.7	8
66	On Consensus in Public Blockchains **2019**,		7
65	Detecting Defects With Support Vector Machine in Logistics Packaging Boxes for Edge Computing. *IEEE Access*, **2020**, 8, 64002-64010	3.5	7
64	Performance Analysis and Evaluation for Active Antenna Arrays Under Three-Dimensional Wireless Channel Model. *IEEE Access*, **2018**, 6, 19131-19139	3.5	7
63	A Taylor Based Localization Algorithm for Wireless Sensor Network Using Extreme Learning Machine. *IEICE Transactions on Information and Systems*, **2014**, E97.D, 2652-2659	0.6	7
62	Cyber-Physical-Social-Thinking Modeling and Computing for Geological Information Service System **2015**,		7
61	A heterogeneous ensemble of extreme learning machines with correntropy and negative correlation. *Tsinghua Science and Technology*, **2017**, 22, 691-701	3.4	7
60	The Impact of Block Parameters on the Throughput and Security of Blockchains **2020**,		7
59	Robust Forecasting of River-Flow Based on Convolutional Neural Network. *IEEE Transactions on Sustainable Computing*, **2020**, 5, 594-600	3.5	6
58	An integrated design for intensified direct heuristic dynamic programming **2013**,		6
57	Secure Hierarchical Processing and Logging of Sensing Data and IoT Events with Blockchain **2020**,		6
56	Categorizing Malware via A Word2Vec-based Temporal Convolutional Network Scheme. *Journal of Cloud Computing: Advances, Systems and Applications*, **2020**, 9,	3.2	6
55	An Improved Encoder︱Decoder Network for Ore Image Segmentation. *IEEE Sensors Journal*, **2020**, 1-1	4	6
54	Asymptotic anti-synchronization of memristor-based BAM neural networks with probabilistic mixed time-varying delays and its application. *Modern Physics Letters B*, **2018**, 32, 1850287	1.6	6

53	Soil-Moisture-Sensor-Based Automated Soil Water Content Cycle Classification With a Hybrid Symbolic Aggregate Approximation Algorithm. *IEEE Internet of Things Journal*, **2021**, 8, 14003-14012	10.7	6
52	Kernel Mixture Correntropy Conjugate Gradient Algorithm for Time Series Prediction. *Entropy*, **2019**, 21,	2.8	5
51	Event-Triggered Consensus Control for High-Speed Train With Time-Varying Actuator Fault. *IEEE Access*, **2020**, 8, 50553-50564	3.5	5
50	. *Computer*, **2020**, 53, 26-34	1.6	5
49	An improved self-localization algorithm for Ad hoc network based on extreme learning machine **2014**,		5
48	On Threat Analysis of IoT-Based Systems: A Survey **2020**,		5
47	Fault-Tolerant Platoon Control of Autonomous Vehicles Based on Event-Triggered Control Strategy. *IEEE Access*, **2020**, 8, 25122-25134	3.5	4
46	Passivity of memristive BAM neural networks with leakage and additive time-varying delays. *Modern Physics Letters B*, **2018**, 32, 1850041	1.6	4
45	**2017**,		4
44	Longitudinal control of hypersonic vehicles based on direct heuristic dynamic programming using ANFIS **2014**,		4
43	Combining Post Sentiments and User Participation for Extracting Public Stances from Twitter. *Applied Sciences (Switzerland)*, **2020**, 10, 8035	2.6	4
42	Technology-Facilitated Detection of Mild Cognitive Impairment: A Review **2018**,		4
41	High-throughput state-machine replication using software transactional memory. *Journal of Supercomputing*, **2016**, 72, 4379-4398	2.5	3
40	A novel hidden danger prediction method in cloud-based intelligent industrial production management using timeliness managing extreme learning machine. *China Communications*, **2016**, 13, 74-82	3	3
39	Attitude tracking control for hypersonic vehicles based on type-2 fuzzy dynamic characteristic modeling method **2014**,		3
38	Towards improving detection performance for malware with a correntropy-based deep learning method. *Digital Communications and Networks*, **2021**, 7, 570-570	5.9	3
37	Resource Allocation in the Cognitive Radio Network-Aided Internet of Things for the Cyber-Physical-Social System: An Efficient Jaya Algorithm. *Sensors*, **2018**, 18,	3.8	3
36	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data. *International Journal of Cognitive Informatics and Natural Intelligence*, **2019**, 13, 19-35	0.9	2

35	Scientific Programming towards a Smart World. *Scientific Programming*, **2017**, 2017, 1-2	1.4	2
34	Byzantine fault tolerance for collaborative editing with commutative operations **2016**,		2
33	Enhancing body mechanics training for bedside care activities with a Kinect-based system **2017**,		2
32	Baseball Pitch Type Recognition Based on Broadcast Videos. *Communications in Computer and Information Science*, **2019**, 328-344	0.3	2
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30	Depthwise Separable Convolution Feature Learning for Ihomogeneous Rock Image Classification. *Communications in Computer and Information Science*, **2019**, 165-176	0.3	2
29	Self-Triggered Consensus of Vehicle Platoon System With Time-Varying Topology. *Frontiers in Neurorobotics*, **2020**, 14, 53	3.4	2
28	A Hybrid Rao-NM Algorithm for Image Template Matching. *Entropy*, **2021**, 23,	2.8	2
27	S-PoDL: A two-stage computational-efficient consensus mechanism for blockchain-enabled multi-access edge computing. *Physical Communication*, **2021**, 46, 101338	2.2	2
26	An Entropy-Based Kernel Learning Scheme toward Efficient Data Prediction in Cloud-Assisted Network Environments. *Entropy*, **2016**, 18, 274	2.8	2
25	Big Data Management for Cloud-Enabled Geological Information Services. *Scientific Programming*, **2018**, 2018, 1-13	1.4	2
24	Nonlinear consensus-based autonomous vehicle platoon control under event-triggered strategy in the presence of time delays. *Applied Mathematics and Computation*, **2021**, 404, 126246	2.7	2
23	Cognitively Inspired 6D Motion Estimation of a Noncooperative Target Using Monocular RGB-D Images. *Cognitive Computation*, **2016**, 8, 105-113	4.4	1
22	A Collaborative Optimization-Guided Entity Extraction Scheme. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2021**, 190-205	0.2	1
21	Semi-automated Development of a Dataset for Baseball Pitch Type Recognition. *Communications in Computer and Information Science*, **2019**, 345-359	0.3	1
20	An Autoencoder-Based Dimensionality Reduction Algorithm for Intelligent Clustering of Mineral Deposit Data. *Lecture Notes in Electrical Engineering*, **2020**, 408-415	0.2	1
19	Ensemble Learning via Extreme Learning Machines for Imbalanced Data. *Advances in Computational Intelligence and Robotics Book Series*, **2020**, 59-88	0.4	1
18	Study of Three-Dimensional Digital Core Reconstruction Based on Multiple-Point Geostatistics in a Cylindrical Coordinate System. *IEEE Access*, **2019**, 7, 178522-178527	3.5	1

17	Deep generative smoke simulator: connecting simulated and real data. *Visual Computer*, **2020**, 36, 1385-1399	2.9	1
16	An edge computing-based predictive evaluation scheme toward geological drilling data using long short-term memory network. *Transactions on Emerging Telecommunications Technologies*, **2021**, 32, e3888	1.9	1
15	Synchronization of a Class of Memristive Stochastic Bidirectional Associative Memory Neural Networks with Mixed Time-Varying Delays via Sampled-Data Control. *Mathematical Problems in Engineering*, **2018**, 2018, 1-24	1.1	1
14	Projective synchronization of memristive multidirectional associative memory neural networks via self-triggered impulsive control and its application to image protection. *Chaos, Solitons and Fractals* , **2021**, 150, 111110	9.3	1
13	Dynamic analysis of disease progression in Alzheimer's disease under the influence of hybrid synapse and spatially correlated noise. *Neurocomputing*, **2021**, 456, 23-35	5.4	1
12	On the improvement of positioning accuracy in WiFi-based wireless network using correntropy-based kernel learning algorithms. *Transactions on Emerging Telecommunications Technologies*, **2019**, 30, e3614	1.9	0
11	Traditional Chinese medicine symptom normalization approach leveraging hierarchical semantic information and text matching with attention mechanism. *Journal of Biomedical Informatics*, **2021**, 116, 103718	10.2	0
10	3D-CNN-Based Sky Image Feature Extraction for Short-Term Global Horizontal Irradiance Forecasting. *Water (Switzerland)*, **2021**, 13, 1773	3	0
9	SIMPL: Generating Synthetic Overhead Imagery to Address Custom Zero-shot and Few-Shot Detection Problems. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2022**, 1-1	4.7	0
8	Prediction of Pulp Concentration Using Extreme Learning Machine. *Proceedings in Adaptation, Learning and Optimization*, **2016**, 179-187	0.2	
7	LIDAR: learning from imperfect demonstrations with advantage rectification. *Frontiers of Computer Science*, **2022**, 16, 1	2.2	
6	Human Action Recognition with Skeleton Data Using Extreme Learning Machine. *Lecture Notes in Electrical Engineering*, **2018**, 449-456	0.2	
5	An Adaptive Dynamic Programming Control Scheme Using Tunable Radial Basis Function. *Lecture Notes in Electrical Engineering*, **2018**, 457-464	0.2	
4	Intention preservation in deterministic multithreading: a partial solution. *IET Software*, **2016**, 10, 155-163	1	
3	The stability of memristive multidirectional associative memory neural networks with time-varying delays in the leakage terms via sampled-data control. *PLoS ONE*, **2018**, 13, e0204002	3.7	
2	Passivity of Memristive BAM Neural Networks with Probabilistic and Mixed Time-Varying Delays. *Mathematical Problems in Engineering*, **2018**, 2018, 1-25	1.1	
1	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data **2022**, 568-585		