

# Jian-hua Li

## 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.

143  
papers

1,466  
citations

19  
h-index

34  
g-index

203  
ext. papers

1,904  
ext. citations

3.1  
avg. IF

5.19  
L-index

#	Paper	IF	Citations
143	Artificial Intelligence-Based Energy Efficient Communication System for Intelligent Reflecting Surface-Driven VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-13	6.1	1
142	FLAG: Few-shot Latent Dirichlet Generative Learning for Semantic-aware Traffic Detection. <i>IEEE Transactions on Network and Service Management</i> , <b>2021</b> , 1-1	4.8	1
141	Stochastic Digital-Twin Service Demand with Edge Response: An Incentive-Based Congestion Control Approach. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	2
140	Digital Twin Consensus for Blockchain-Enabled Intelligent Transportation Systems in Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-11	6.1	5
139	Joint Protection of Energy Security and Information Privacy for Energy Harvesting: An Incentive Federated Learning Approach. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	6
138	Deep Reinforcement Learning-based Cybertwin Architecture for 6G IIoT: An Integrated Design of Control, Communication, and Computing. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	7
137	Differential Privacy and IRS Empowered Intelligent Energy Harvesting for 6G Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	5
136	Friend-as-Learner: Socially-Driven Trustworthy and Efficient Wireless Federated Edge Learning. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	3
135	Unsupervised learning for community detection in attributed networks based on graph convolutional network. <i>Neurocomputing</i> , <b>2021</b> , 456, 147-155	5.4	5
134	Privacy Preserved Cyber-Physical Searching for Information-Centric Intelligent Agriculture. <i>IEEE Open Journal of the Computer Society</i> , <b>2021</b> , 1-1	3.6	1
133	Processing capability and QoE driven optimized computation offloading scheme in vehicular fog based F-RAN. <i>World Wide Web</i> , <b>2020</b> , 23, 2547-2565	2.9	3
132	Cognitive Balance for Fog Computing Resource in Internet of Things: An Edge Learning Approach. <i>IEEE Transactions on Mobile Computing</i> , <b>2020</b> , 1-1	4.6	10
131	A Token Level Multi-target Stance Detection Dataset <b>2020</b> ,		1
130	Sustainable Secure Management Against APT Attacks for Intelligent Embedded-Enabled Smart Manufacturing. <i>IEEE Transactions on Sustainable Computing</i> , <b>2020</b> , 5, 341-352	3.5	5
129	Smart NCAP supporting Low-Rate DDoS Detection for IEEE 21451-1-5 Internet of Things <b>2019</b> ,		2
128	Edge-MapReduce-Based Intelligent Information-Centric IoV: Cognitive Route Planning. <i>IEEE Access</i> , <b>2019</b> , 7, 50549-50560	3.5	15
127	Vehicle-to-Cloudlet: Game-Based Computation Demand Response for Mobile Edge Computing through Vehicles <b>2019</b> ,		5

126	SCEH: Smart Customized E-Health Framework for Countryside Using Edge AI and Body Sensor Networks <b>2019</b> ,			1
125	Toward Dynamic Computation Offloading for Data Processing in Vehicular Fog Based F-RAN <b>2019</b> ,			2
124	Edge-to-Edge Cooperative Artificial Intelligence in Smart Cities with On-Demand Learning Offloading <b>2019</b> ,			17
123	Toward Software Defined Dynamic Defense as a Service for 5G-Enabled Vehicular Networks <b>2019</b> ,			5
122	Fog-Enabled Vehicle as a Service for Computing Geographical Migration in Smart Cities. <i>IEEE Access</i> , <b>2019</b> , 7, 8726-8736	3.5		18
121	CDLB: a cross-domain load balancing mechanism for software defined networks in cloud data centre. <i>International Journal of Computational Science and Engineering</i> , <b>2019</b> , 18, 44	0.4		6
120	A Novel Airbnb Matching Scheme in Shared Economy Using Confidence and Prediction Uncertainty Analysis. <i>IEEE Access</i> , <b>2018</b> , 6, 10320-10331	3.5		2
119	Big Data Analysis-Based Secure Cluster Management for Optimized Control Plane in Software-Defined Networks. <i>IEEE Transactions on Network and Service Management</i> , <b>2018</b> , 15, 27-38	4.8		141
118	Big Data Analysis-Based Security Situational Awareness for Smart Grid. <i>IEEE Transactions on Big Data</i> , <b>2018</b> , 4, 408-417	3.2		67
117	MapReduce Enabling Content Analysis Architecture for Information-Centric Networks Using CNN <b>2018</b> ,			2
116	Service Popularity-Based Smart Resources Partitioning for Fog Computing-Enabled Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 4702-4711	11.9		98
115	SLA-Aware Fine-Grained QoS Provisioning for Multi-Tenant Software-Defined Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 159-170	3.5		14
114	Vehicle Mobility-Based Geographical Migration of Fog Resource for Satellite-Enabled Smart Cities <b>2018</b> ,			3
113	Ant Colony Cleaning Behavior Algorithm Based Multicast for SDN in Smart Grid <b>2018</b> ,			1
112	Cyber security meets artificial intelligence: a survey. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2018</b> , 19, 1462-1474	2.2		58
111	Software-defined dynamic QoS provisioning for smart metering in energy Internet using fog computing and network calculus. <i>IET Cyber-Physical Systems: Theory and Applications</i> , <b>2018</b> , 3, 142-149	2.5		2
110	A lightweight authentication scheme based on self-updating strategy for space information network. <i>International Journal of Satellite Communications and Networking</i> , <b>2017</b> , 35, 231-248	1.7		11
109	Software-defined networking model for smart transformers with ISO/IEC/IEEE 21451 sensors. <i>ICT Express</i> , <b>2017</b> , 3, 67-71	4.9		3

108	A Secure Mechanism for Big Data Collection in Large Scale Internet of Vehicle. <i>IEEE Internet of Things Journal</i> , <b>2017</b> , 4, 601-610	10.7	79
107	Toward mobility support for information-centric IoV in smart city using fog computing <b>2017</b> ,		20
106	A robust ECC based mutual authentication protocol with anonymity for session initiation protocol. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186044	3.7	2
105	Learning Automata Based Approach for Influence Maximization Problem on Social Networks <b>2017</b> ,		8
104	A Novel Image Classification Method with CNN-XGBoost Model. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 378-390	0.9	40
103	Overlapping Community Detection Based on Structural Centrality in Complex Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 25258-25269	3.5	28
102	A novel parallel framework for pursuit learning schemes. <i>Neurocomputing</i> , <b>2017</b> , 228, 198-204	5.4	
101	Fog computing based content-aware taxonomy for caching optimization in information-centric networks <b>2017</b> ,		8
100	SD-OPTS: Software-Defined On-Path Time Synchronization for Information-Centric Smart Grid <b>2017</b> ,		6
99	Software-Defined Efficient Service Reconstruction in Fog Using Content Awareness and Weighted Graph <b>2017</b> ,		2
98	CC-fog: Toward content-centric fog networks for E-health <b>2017</b> ,		4
97	Towards QoE named content-centric wireless multimedia sensor networks with mobile sinks <b>2017</b> ,		4
96	Crowd Sensing-Enabling Security Service Recommendation for Social Fog Computing Systems. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
95	Locating Structural Centers: A Density-Based Clustering Method for Community Detection. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169355	3.7	24
94	A multi-stage attack mitigation mechanism for software-defined home networks. <i>IEEE Transactions on Consumer Electronics</i> , <b>2016</b> , 62, 200-207	4.8	12
93	Two Approaches on Accelerating Bayesian Two Action Learning Automata. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 239-247	0.9	
92	SDN based dynamic and autonomous bandwidth allocation as ACSI services of IEC61850 communications in smart grid <b>2016</b> ,		6
91	Automatic Threshold Calculation Based Label Propagation Algorithm for Overlapping Community <b>2016</b> ,		1

90	Uncovering fuzzy communities in networks with structural similarity. <i>Neurocomputing</i> , <b>2016</b> , 210, 26-33	5.4	10
89	A Parameter-Free Gradient Bayesian Two-Action Learning Automaton Scheme. <i>Lecture Notes in Electrical Engineering</i> , <b>2016</b> , 963-970	0.2	4
88	Estimator Goore Game based quality of service control with incomplete information for wireless sensor networks. <i>Signal Processing</i> , <b>2016</b> , 126, 77-86	4.4	4
87	On applying Confidence Interval Estimator to the pursuit learning schemes: Various algorithms and their comparison <b>2016</b> , 209-214		
86	A Safety Resource Allocation Mechanism against Connection Fault for Vehicular Cloud Computing. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-13	1.4	6
85	Deep Packet Inspection Based Application-Aware Traffic Control for Software Defined Networks <b>2016</b> ,		21
84	Analysis and design of an authentication protocol for space information network <b>2016</b> ,		1
83	Software-defined QoS provisioning for fog computing advanced wireless sensor networks <b>2016</b> ,		14
82	A security mechanism for software-defined networking based communications in vehicle-to-grid <b>2016</b> ,		6
81	An anonymous distributed key management system based on CL-PKC for space information network <b>2016</b> ,		10
80	Improving Energy Efficiency in Industrial Wireless Sensor Networks Using SDN and NFV <b>2016</b> ,		4
79	A novel estimator based learning automata algorithm. <i>Applied Intelligence</i> , <b>2015</b> , 42, 262-275	4.9	14
78	Periodic $\$K\$$ -Times Anonymous Authentication With Efficient Revocation of Violator's Credential. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2015</b> , 10, 543-557	8	5
77	Proposed Security Mechanism for XMPP-Based Communications of ISO/IEC/IEEE 21451 Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 2577-2586	4	28
76	Passive Image-Splicing Detection by a 2-D Noncausal Markov Model. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 185-199	6.4	72
75	Survey on cyberspace security. <i>Science China Information Sciences</i> , <b>2015</b> , 58, 1-43	3.4	20
74	A Defense Mechanism for Distributed Denial of Service Attack in Software-Defined Networks <b>2015</b> ,		11
73	Context-Aware Traffic Forwarding Service for Applications in SDN <b>2015</b> ,		4

72	Chance Discovery Based Security Service Selection for Social P2P Based Sensor Networks <b>2015</b> ,		4
71	Toward Vulnerability Assessment for 5G Mobile Communication Networks <b>2015</b> ,		6
70	Fast image search with locality-sensitive hashing and homogeneous kernels map. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 350676	2.2	2
69	Enhanced-Bivium Algorithm for RFID System. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-6	1.1	2
68	A Security Assessment Mechanism for Software-Defined Networking-Based Mobile Networks. <i>Sensors</i> , <b>2015</b> , 15, 31843-58	3.8	14
67	Artificial Bee Colony Optimizer with Bee-to-Bee Communication and Multipopulation Coevolution for Multilevel Threshold Image Segmentation. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-23	1.1	4
66	Provably secure E-cash system with practical and efficient complete tracing. <i>International Journal of Information Security</i> , <b>2014</b> , 13, 271-289	2.8	7
65	A denial of service attack in advanced metering infrastructure network <b>2014</b> ,		36
64	Abnormal crowd behavior detection using interest points <b>2014</b> ,		3
63	A 3-hop message relay algorithm for connected dominating sets in wireless ad-hoc sensor networks <b>2014</b> ,		5
62	Collaborative Opportunistic Scheduling in Heterogeneous Networks: A Distributed Approach. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-12	1.1	1
61	A detecting community method in complex networks with fuzzy clustering <b>2014</b> ,		3
60	Multiple evidence fusion based information diffusion model for social network <b>2014</b> ,		1
59	A self-adaptive super-resolution method based on dictionary library <b>2014</b> ,		1
58	A New Intrusion Detection System Based on KNN Classification Algorithm in Wireless Sensor Network. <i>Journal of Electrical and Computer Engineering</i> , <b>2014</b> , 2014, 1-8	1.9	89
57	Analysis and Extension of Safety Mechanisms for Standardized Control Networks in Smart Grid. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 941967	1.7	
56	Bi-slotted binary tree algorithm with stack for radio frequency identification tag anti-collision. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2013</b> , 18, 173-179	0.6	3
55	Strongly secure identity-based authenticated key agreement protocols in the escrow mode. <i>Science China Information Sciences</i> , <b>2013</b> , 56, 1-14	3.4	14

54	Chinese SNS blog classification using semantic similarity <b>2013</b> ,		2
53	A New Scheme for Indirect Trust Calculation to Resist Bigmouth Attack in Wireless Ad Hoc Network <b>2013</b> ,		1
52	Image splicing detection based on noncausal Markov model <b>2013</b> ,		10
51	A complex network-based approach for interest point detection in images <b>2012</b> ,		2
50	Green firewall: An energy-efficient intrusion prevention mechanism in wireless sensor network <b>2012</b> ,		11
49	Perceptual Compressive Sensing Scheme Based on Human Vision System <b>2012</b> ,		4
48	DDoS Flood Attack Detection Based on Fractal Parameters <b>2012</b> ,		4
47	A Pairing-Free Identity-Based Authenticated Key Agreement Mechanism for SIP <b>2011</b> ,		3
46	An alternative class of irreducible polynomials for optimal extension fields. <i>Designs, Codes, and Cryptography</i> , <b>2011</b> , 60, 171-182	1.2	
45	Vectorial resilient PC(l) of order k Boolean functions from AG-codes. <i>Chinese Annals of Mathematics Series B</i> , <b>2011</b> , 32, 99-104	0.4	
44	A mechanism based on reputation in P2P networks to counter malicious packet dropping. <i>Wuhan University Journal of Natural Sciences</i> , <b>2011</b> , 16, 405-408	0.4	
43	Gossip-based scalable directed diffusion for wireless sensor networks. <i>International Journal of Communication Systems</i> , <b>2011</b> , 24, 1418-1430	1.7	19
42	Evaluating the transmission rate of covert timing channels in a network. <i>Computer Networks</i> , <b>2011</b> , 55, 2760-2771	5.4	3
41	A secure authentication protocol for RFID based on Trivium <b>2011</b> ,		1
40	Text Clustering using Frequent Contextual Termset <b>2011</b> ,		1
39	An improvement of the TYT algorithm for GF(2M) based on reusing intermediate computation results. <i>Communications in Mathematical Sciences</i> , <b>2011</b> , 9, 277-287	1	
38	A provably secure and practical fair E-cash scheme <b>2010</b> ,		1
37	An Approach to Privacy-Preserving Alert Correlation and Analysis <b>2010</b> ,		2

36	Implementing a passive network covert timing channel. <i>Computers and Security</i> , <b>2010</b> , 29, 686-696	4.9	8
35	Network security situation prediction based on improved adaptive grey Verhulst model. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2010</b> , 15, 408-413	0.6	10
34	On-line modeling of non-stationary network traffic with schwarz information criterion. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2010</b> , 15, 213-217	0.6	
33	A novel photonic RF phase shifter based on polarization controller. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 2598-2600	1.2	5
32	Identifying computer generated and digital camera images using fractional lower order moments <b>2009</b> ,		2
31	MASR: An Efficient Strong Anonymous Routing Protocol for Mobile Ad Hoc Networks <b>2009</b> ,		3
30	Democratic group signatures with threshold traceability. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2009</b> , 14, 98-101	0.6	2
29	A loss-tolerant group key management scheme with revocation capability for wireless sensor network. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2009</b> , 14, 162-167	0.6	
28	Free-riders impact on throughputs of peer-to-peer file-sharing systems. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2009</b> , 14, 273-278	0.6	
27	An authenticated group key distribution scheme for wireless sensor networks. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2009</b> , 14, 354-358	0.6	
26	Efficient peer-to-peer file sharing in 3G networks. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2009</b> , 14, 549-554	0.6	0
25	A study of on/off timing channel based on packet delay distribution. <i>Computers and Security</i> , <b>2009</b> , 28, 785-794	4.9	33
24	Distributed anonymous data perturbation method for privacy-preserving data mining. <i>Journal of Zhejiang University: Science A</i> , <b>2009</b> , 10, 952-963	2.1	7
23	Using attack graphs and intrusion evidences to extrapolate network security state <b>2009</b> ,		2
22	Toward optimizing cauchy matrix for cauchy reed-solomon code. <i>IEEE Communications Letters</i> , <b>2009</b> , 13, 603-605	3.8	4
21	Cryptanalysis and Improvement on a Digital Signature Scheme without using One-way Hash and Message Redundancy <b>2008</b> ,		3
20	A Novel Key Exchange Protocol Based on RSA-OAEP. <i>International Conference on Advanced Communication Technology</i> , <b>2008</b> ,		1
19	Building network attack graph for alert causal correlation. <i>Computers and Security</i> , <b>2008</b> , 27, 188-196	4.9	21



18	The generalized Goertzel algorithm and its parallel hardware implementation. <i>Science in China Series A: Mathematics</i> , <b>2008</b> , 51, 37-41		
17	General attribute based RBAC model for web services. <i>Wuhan University Journal of Natural Sciences</i> , <b>2008</b> , 13, 81-86	0.4	4
16	Dynamic characteristics of explicit control protocol. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2008</b> , 13, 60-63	0.6	
15	Identity-based verifiably committed signature scheme without random oracles. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2008</b> , 13, 110-115	0.6	1
14	Non-interactive identity-based threshold signature scheme without random oracles. <i>Journal of Zhejiang University: Science A</i> , <b>2008</b> , 9, 727-736	2.1	1
13	Two-party authenticated key agreement in certificateless public key cryptography. <i>Wuhan University Journal of Natural Sciences</i> , <b>2007</b> , 12, 71-74	0.4	26
12	ACKDs: An Authenticated Combinatorial Key Distribution Scheme for Wireless Sensor Networks <b>2007</b> ,		2
11	Password-based Dynamic Group Key Agreement <b>2007</b> ,		1
10	Combating P2P File Pollution with Co-alerting <b>2007</b> ,		1
9	Broadcast Group-oriented Encryption in Group Communication <b>2006</b> ,		3
8	Intrusion Detection Engine Based on Dempster-Shafer's Theory of Evidence <b>2006</b> ,		9
7	Optimal Evaluation of Feature Selection in Intrusion Detection Modeling <b>2006</b> ,		1
6	A New Improvement on Apriori Algorithm <b>2006</b> ,		8
5	A Novel Approach to Cyberspace Security Situation Based on the Vulnerabilities Analysis <b>2006</b> ,		4
4	A simple protocol for deniable authentication based on ElGamal cryptography. <i>Networks</i> , <b>2005</b> , 45, 193-194		10
3	An adaptive algorithm to detect port scans. <i>Journal of Shanghai University</i> , <b>2004</b> , 8, 328-332		
2	Combinatorial optimization for wireless sensor networks		1
1	Weakly-supervised learning for community detection based on graph convolution in attributed networks. <i>International Journal of Machine Learning and Cybernetics</i> , 1	3.8	0

