Libing Wu

List of Publications by Year
in descending order

121 papers	2,577 citations	201674 27 h-index	223800 46 g-index
122 all docs	122 docs citations	122 times ranked	2450 citing authors

#	Article	IF	Citations
1	PCNN$_{CEC}$: Efficient and Privacy-Preserving Convolutional Neural Network Inference Based on Cloud-Edge-Client Collaboration. IEEE Transactions on Network Science and Engineering, 2023, 10, 2906-2923.	6.4	9
2	Glider: rethinking congestion control with deep reinforcement learning. World Wide Web, 2023, 26, 115-137.	4.0	2
3	Dual-Server Public-Key Authenticated Encryption with Keyword Search. IEEE Transactions on Cloud Computing, 2022, 10, 322-333.	4.4	21
4	Traffic Signal Control With Reinforcement Learning Based on Region-Aware Cooperative Strategy. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6774-6785.	8.0	16
5	Task Offloading with Task Classification and Offloading Nodes Selection for MEC-Enabled IoV. ACM Transactions on Internet Technology, 2022, 22, 1-24.	4.4	8
6	An improved multi-attribute decision-making based network selection algorithm for heterogeneous vehicular network. Frontiers of Computer Science, 2022, 16, 1.	2.4	2
7	A mobile edge computing-based applications execution framework for Internet of Vehicles. Frontiers of Computer Science, 2022, 16, 1.	2.4	15
8	Lamina: Low Overhead Wear Leveling for NVM with Bounded Tail. , 2022, , .		2
9	Imputing missing indoor air quality data with inverse mapping generative adversarial network. Building and Environment, 2022, 215, 108896.	6.9	16
10	Data Dissemination With Trajectory Privacy Protection for 6G-Oriented Vehicular Networks. IEEE Internet of Things Journal, 2022, 9, 21469-21480.	8.7	4
11	Privacy-Preserving Data Scheduling in Incentive-Driven Vehicular Network. IEEE Internet of Things Journal, 2022, 9, 22669-22681.	8.7	1
12	A Secure and Efficient Multiserver Authentication and Key Agreement Protocol for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 24398-24416.	8.7	12
13	Lightweight Searchable Public-Key Encryption with Forward Privacy over IIoT Outsourced Data. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1753-1764.	4.6	38
14	An Efficient and Privacy-Preserving Outsourced Support Vector Machine Training for Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 458-473.	8.7	46
15	SocialRecruiter: Dynamic Incentive Mechanism for Mobile Crowdsourcing Worker Recruitment With Social Networks. IEEE Transactions on Mobile Computing, 2021, 20, 2055-2066.	5.8	35
16	Deep Reinforcement Learning for Smart City Communication Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 4188-4196.	11.3	12
17	A Comprehensive Survey of the Key Technologies and Challenges Surrounding Vehicular Ad Hoc Networks. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-30.	4.5	34
18	A Multi-objective Reinforcement Learning Perspective on Internet Congestion Control. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
19	Salience-CAM: Visual Explanations from Convolutional Neural Networks via Salience Score. , 2021, , .		3
20	RLCC: Practical Learning-based Congestion Control for the Internet. , 2021, , .		4
21	A Spatial-Temporal Graph Attention Network for Multi-intersection Traffic Light Control. , 2021, , .		2
22	TSA-GAN: A Robust Generative Adversarial Networks for Time Series Augmentation. , 2021, , .		7
23	DEN-DQL: Quick Convergent Deep Q-Learning with Double Exploration Networks for News Recommendation. , 2021, , .		4
24	Everyone in SDN Contributes: Fault Localization via Well-Designed Rules. , 2021, , .		0
25	Blockchain-Based Anonymous Authentication With Key Management for Smart Grid Edge Computing Infrastructure. IEEE Transactions on Industrial Informatics, 2020, 16, 1984-1992.	11.3	177
26	LVID: A Multimodal Biometrics Authentication System on Smartphones. IEEE Transactions on Information Forensics and Security, 2020, 15, 1572-1585.	6.9	50
27	A Blockchain-Based Searchable Public-Key Encryption With Forward and Backward Privacy for Cloud-Assisted Vehicular Social Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5813-5825.	6.3	64
28	Cluster-Enabled Cooperative Scheduling Based on Reinforcement Learning for High-Mobility Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 12664-12678.	6.3	19
29	ForeXGBoost: passenger car sales prediction based on XGBoost. Distributed and Parallel Databases, 2020, 38, 713-738.	1.6	25
30	A Parallel and Forward Private Searchable Public-Key Encryption for Cloud-Based Data Sharing. IEEE Access, 2020, 8, 28009-28020.	4.2	12
31	Loop2Recursion: Compiler-Assisted Wear Leveling for Non-Volatile Memory. , 2020, , .		2
32	Privacy-Preserving Crowd-Sourced Statistical Data Publishing with An Untrusted Server. IEEE Transactions on Mobile Computing, 2019, 18, 1356-1367.	5.8	89
33	Secure Key Agreement and Key Protection for Mobile Device User Authentication. IEEE Transactions on Information Forensics and Security, 2019, 14, 319-330.	6.9	116
34	A V2I communication-based pipeline model for adaptive urban traffic light scheduling. Frontiers of Computer Science, 2019, 13, 929-942.	2.4	6
35	A Hierarchical Architecture for the Future Internet of Vehicles. IEEE Communications Magazine, 2019, 57, 41-47.	6.1	91
36	Pairing-Free Identity-Based Encryption with Authorized Equality Test in Online Social Networks. International Journal of Foundations of Computer Science, 2019, 30, 647-664.	1.1	5

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37	A Capsule Network for Recommendation and Explaining What You Like and Dislike. , 2019, , .		79
38	A New Proposed Sensor Cloud Architecture Based on Fog Computing for Internet of Things. , 2019, , .		10
39	A Context-Aware User-Item Representation Learning for Item Recommendation. ACM Transactions on Information Systems, 2019, 37, 1-29.	4.9	116
40	Fast Distributed Backbone Construction Despite Strong Adversarial Jamming. , 2019, , .		25
41	Anonymous and Efficient Message Authentication Scheme for Smart Grid. Security and Communication Networks, 2019, 2019, 1-12.	1.5	22
42	An Efficient Privacy-Preserving Mutual Authentication Scheme for Secure V2V Communication in Vehicular Ad Hoc Network. IEEE Access, 2019, 7, 55050-55063.	4.2	58
43	An Adaptive Spray and Wait Routing Algorithm Based on Quality of Node in Delay Tolerant Network. IEEE Access, 2019, 7, 35274-35286.	4.2	28
44	Brainstorming-Based Ant Colony Optimization for Vehicle Routing With Soft Time Windows. IEEE Access, 2019, 7, 19643-19652.	4.2	34
45	Efficient two-party certificateless authenticated key agreement protocol under GDH assumption. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 30, 11.	0.5	9
46	Certificateless searchable public key authenticated encryption with designated tester for cloud-assisted medical Internet of Things. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 423-434.	2.5	44
47	Classification Method of Encrypted Traffic Based on Deep Neural Network. Communications in Computer and Information Science, 2019, , 528-544.	0.5	4
48	Certificateless Public Auditing Scheme for Cloud-Assisted Wireless Body Area Networks. IEEE Systems Journal, 2018, 12, 64-73.	4.6	190
49	<italic>Outlet</italic>: Outsourcing Wearable Computing to the Ambient Mobile Computing Edge. IEEE Access, 2018, 6, 18408-18419.	4.2	6
50	Efficient and secure searchable encryption protocol for cloud-based Internet of Things. Journal of Parallel and Distributed Computing, 2018, 111, 152-161.	4.1	47
51	Efficient Identity-Based Encryption Scheme with Equality Test in Smart City. IEEE Transactions on Sustainable Computing, 2018, 3, 44-55.	3.1	36
52	InPrivate Digging: Enabling Tree-based Distributed Data Mining with Differential Privacy. , 2018, , .		53
53	PARL. , 2018, , .		18
54	An efficient and secure searchable public key encryption scheme with privacy protection for cloud storage. Soft Computing, 2018, 22, 7685-7696.	3.6	26

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55	New Certificateless Aggregate Signature Scheme for Healthcare Multimedia Social Network on Cloud Environment. Security and Communication Networks, 2018, 2018, 1-13.	1.5	41
56	Privacy-preserving auditing scheme for shared data in public clouds. Journal of Supercomputing, 2018, 74, 6156-6183.	3.6	11
57	Be Stable and Fair: Robust Data Scheduling for Vehicular Networks. IEEE Access, 2018, 6, 32839-32849.	4.2	10
58	Cloud-Assisted Safety Message Dissemination in VANETâ€"Cellular Heterogeneous Wireless Network. IEEE Systems Journal, 2017, 11, 128-139.	4.6	99
59	Analysis and Improvement of a Privacy-Aware Handover Authentication Scheme for Wireless Network. Wireless Personal Communications, 2017, 93, 523-541.	2.7	23
60	Infrastructure-Assisted Message Dissemination for Supporting Heterogeneous Driving Patterns. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2865-2876.	8.0	26
61	Security analysis of a publicly verifiable data possession scheme for remote storage. Journal of Supercomputing, 2017, 73, 4923-4930.	3.6	6
62	A secure and efficient public auditing scheme using RSA algorithm for cloud storage. Journal of Supercomputing, 2017, 73, 5285-5309.	3.6	15
63	A Joint Controlâ€"Communication Design for Reliable Vehicle Platooning in Hybrid Traffic. IEEE Transactions on Vehicular Technology, 2017, 66, 9394-9409.	6.3	46
64	Efficient location-based conditional privacy-preserving authentication scheme for vehicle ad hoc networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771770089.	2.2	39
65	Efficient and secure identity-based encryption scheme with equality test in cloud computing. Future Generation Computer Systems, 2017, 73, 22-31.	7.5	92
66	Analysis of handover authentication protocols for mobile wireless networks using identity-based public key cryptography. Computer Networks, 2017, 128, 154-163.	5.1	21
67	An efficient provably-secure identity-based authentication scheme using bilinear pairings for Ad hoc network. Journal of Information Security and Applications, 2017, 37, 112-121.	2.5	13
68	Secure public data auditing scheme for cloud storage in smart city. Personal and Ubiquitous Computing, 2017, 21, 949-962.	2.8	14
69	An Efficient and Secure Identity-Based Authentication and Key Agreement Protocol with User Anonymity for Mobile Devices. Wireless Personal Communications, 2017, 94, 3371-3387.	2.7	14
70	EIAS-CP: new efficient identity-based authentication scheme with conditional privacy-preserving for VANETs. Telecommunication Systems, 2017, 65, 229-240.	2.5	44
71	An Efficient Multiâ€hop Broadcast Protocol for Emergency Messages Dissemination in VANETs. Chinese Journal of Electronics, 2017, 26, 614-623.	1.5	21
72	Message dissemination scheduling for multiple cooperative drivings. , 2017, , .		3

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73	Efficient and Anonymous Authentication Scheme for Wireless Body Area Networks. Journal of Medical Systems, 2016, 40, 134.	3.6	57
74	Efficient and Secure Authentication Scheme with Conditional Privacyâ€Preserving for VANETs. Chinese Journal of Electronics, 2016, 25, 950-956.	1.5	20
75	Multicast tree construction: a nodes' relative leaving probability algorithm based on NICE in ALM. International Journal of Autonomous and Adaptive Communications Systems, 2016, 9, 4.	0.3	0
76	Strongly Secure Two-Party Certificateless Key Agreement Protocol with Short Message. Lecture Notes in Computer Science, 2016, , 244-254.	1.3	1
77	A frontier based multi-robot approach for coverage of unknown environments. , 2015, , .		5
78	An Efficient Remote User Authentication with Key Agreement Scheme Using Elliptic Curve Cryptography. Wireless Personal Communications, 2015, 85, 225-240.	2.7	31
79	New biometrics-based authentication scheme for multi-server environment in critical systems. Journal of Ambient Intelligence and Humanized Computing, 2015, 6, 825-834.	4.9	64
80	Hierarchical Adaptive Recovery Algorithm in Mobile ALM. Communications in Computer and Information Science, 2015, , 95-105.	0.5	0
81	A novel and efficient source-path discovery and maintenance method for application layer multicast. Computers and Electrical Engineering, 2013, 39, 67-75.	4.8	4
82	Towards set-oriented recursive XML query in pattern-based logic views. , 2013, , .		0
83	Design and Analysis of the Gateway-Level Topology Map in Topology-Aware ALM Systems. , 2013, , .		0
84	Research on the RRB+ Tree for Resource Reservation. Lecture Notes in Computer Science, 2013, , 83-93.	1.3	0
85	Research on Efficient Non-slotted Tree Structures for Advance Reservation. Communications in Computer and Information Science, 2013, , 50-61.	0.5	0
86	Application Layer Multicast Streaming Media Live System Based on Scribe. International Journal of Advancements in Computing Technology, 2012, 4, 517-525.	0.1	1
87	A survey of ROHC header compression schemes. , 2012, , .		3
88	Ant colony optimization for PON network design. , 2011, , .		2
89	A Block Gathering Based on Mobile Web Page Segmentation Algorithm. , 2011, , .		3
90	The Research and Implementation of ARP Monitoring and Protection. , 2011, , .		4

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91	A Low-Rate DoS Detection Based on Rate Anomalies. Communications in Computer and Information Science, 2011, , 189-196.	0.5	1
92	The Design of the Network Configuration Management Based on NETCONF Protocol. Communications in Computer and Information Science, 2011, , 705-713.	0.5	1
93	Partitioning Algorithm for PON Network Design. Communications in Computer and Information Science, 2011, , 1-8.	0.5	0
94	Research on improving Apriori algorithm based on interested table. , 2010, , .		1
95	Research on Low-Rate Denial-of-Service Attacks against XCP. , 2010, , .		0
96	Research on PIM-SM multicast routing improvement. , 2010, , .		1
97	A dynamic size MCL algorithm for mobile robot localization. , 2010, , .		4
98	Residual-Balanced Spanning Tree Problem of Topology-Aware ALM. , 2010, , .		0
99	A Study of Improving Apriori Algorithm. , 2010, , .		2
100	The Research and Emulation on PIM-SM Protocol. Lecture Notes in Computer Science, 2010, , 465-472.	1.3	1
101	Reduction of Quality (RoQ) attacks on structured peer-to-peer networks. , 2009, , .		7
102	A novel fault detection mechanism of topology-aware ALM. , 2009, , .		1
103	Concurrent transmission with minimal SR-pair interference in WiMAX mesh networks. Wuhan University Journal of Natural Sciences, 2009, 14, 210-214.	0.4	0
104	LDoS attack in ad-hoc network. , 2009, , .		1
105	On designing approximate inference algorithms for multiply sectioned Bayesian networks. , 2009, , .		1
106	A Novel Interoperable Model of Distributed UDDI. , 2008, , .		4
107	GMF-BMA: A New Grid Resource Monitoring Model. , 2008, , .		1
108	An Improved Architecture for Iterative Message Passing in MSBN. , 2008, , .		0

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109	A Resource Discovery Algorithm with Probe Feedback Mechanism in Multi-domain Grid Environment. , 2008, , 178-186.		1
110	Balanced multi-domain topology-aware overlay networks in application-layer multicast. , 2007, , .		0
111	More Efficient Mechanism of Topology-Aware Overlay Construction in Application-Layer Multicast. , 2007, , .		3
112	Hierarchical Junction Trees as the Secondary Structure for Inference in Bayesian Networks. , 2007, , .		3
113	A Connectivity-Prior Model for Generating Connected Power Law Random Graphs with Prescribed Degree Sequence. , 2007, , .		2
114	Multi-domain Topology-Aware Grouping for Application-Layer Multicast. Lecture Notes in Computer Science, 2007, , 623-633.	1.3	0
115	Self-adaptive Adjustment on Bandwidth in Application-Layer Multicast. , 2007, , 362-371.		0
116	An Overtime-Tolerance Strategy for Advance Reservation. , 2006, , .		3
117	A Resource Discovery Algorithm with Probe Feedback Mechanism Based on Advance Reservation. , 2006, , .		3
118	Research on an Effective Mechanism of Task-scheduling in Grid Environment. , 2006, , .		7
119	Heterogeneous Resource Selection with Portfolio Optimization in Grid Economy. , 2005, , .		0
120	An Adaptive Advance Reservation Mechanism for Grid Computing. , 2005, , .		10
121	Flexible Advance Reservation for Grid Computing. Lecture Notes in Computer Science, 2004, , 241-248.	1.3	12