

Libing Wu

List of Publications by Year in descending order

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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	Certificateless Public Auditing Scheme for Cloud-Assisted Wireless Body Area Networks. IEEE Systems Journal, 2018, 12, 64-73.	4.6	190
2	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
3	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
4	A Context-Aware User-Item Representation Learning for Item Recommendation. ACM Transactions on Information Systems, 2019, 37, 1-29.	4.9	116
5	Cloud-Assisted Safety Message Dissemination in VANETs Cellular Heterogeneous Wireless Network. IEEE Systems Journal, 2017, 11, 128-139.	4.6	99
6	Efficient and secure identity-based encryption scheme with equality test in cloud computing. Future Generation Computer Systems, 2017, 73, 22-31.	7.5	92
7	A Hierarchical Architecture for the Future Internet of Vehicles. IEEE Communications Magazine, 2019, 57, 41-47.	6.1	91
8	Privacy-Preserving Crowd-Sourced Statistical Data Publishing with An Untrusted Server. IEEE Transactions on Mobile Computing, 2019, 18, 1356-1367.	5.8	89
9	A Capsule Network for Recommendation and Explaining What You Like and Dislike. , 2019, , .		79
10	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
11	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
12	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
13	Efficient and Anonymous Authentication Scheme for Wireless Body Area Networks. Journal of Medical Systems, 2016, 40, 134.	3.6	57
14	InPrivate Digging: Enabling Tree-based Distributed Data Mining with Differential Privacy. , 2018, , .		53
15	LVID: A Multimodal Biometrics Authentication System on Smartphones. IEEE Transactions on Information Forensics and Security, 2020, 15, 1572-1585.	6.9	50
16	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
17	A Joint Control Communication Design for Reliable Vehicle Platooning in Hybrid Traffic. IEEE Transactions on Vehicular Technology, 2017, 66, 9394-9409.	6.3	46
18	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

#	ARTICLE	IF	CITATIONS
19	EIAS-CP: new efficient identity-based authentication scheme with conditional privacy-preserving for VANETs. Telecommunication Systems, 2017, 65, 229-240.	2.5	44
20	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
21	New Certificateless Aggregate Signature Scheme for Healthcare Multimedia Social Network on Cloud Environment. Security and Communication Networks, 2018, 2018, 1-13.	1.5	41
22	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
23	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
24	Efficient Identity-Based Encryption Scheme with Equality Test in Smart City. IEEE Transactions on Sustainable Computing, 2018, 3, 44-55.	3.1	36
25	SocialRecruiter: Dynamic Incentive Mechanism for Mobile Crowdsourcing Worker Recruitment With Social Networks. IEEE Transactions on Mobile Computing, 2021, 20, 2055-2066.	5.8	35
26	Brainstorming-Based Ant Colony Optimization for Vehicle Routing With Soft Time Windows. IEEE Access, 2019, 7, 19643-19652.	4.2	34
27	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
28	An Efficient Remote User Authentication with Key Agreement Scheme Using Elliptic Curve Cryptography. Wireless Personal Communications, 2015, 85, 225-240.	2.7	31
29	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
30	Infrastructure-Assisted Message Dissemination for Supporting Heterogeneous Driving Patterns. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2865-2876.	8.0	26
31	An efficient and secure searchable public key encryption scheme with privacy protection for cloud storage. Soft Computing, 2018, 22, 7685-7696.	3.6	26
32	Fast Distributed Backbone Construction Despite Strong Adversarial Jamming. , 2019, , .		25
33	ForeXGBoost: passenger car sales prediction based on XGBoost. Distributed and Parallel Databases, 2020, 38, 713-738.	1.6	25
34	Analysis and Improvement of a Privacy-Aware Handover Authentication Scheme for Wireless Network. Wireless Personal Communications, 2017, 93, 523-541.	2.7	23
35	Anonymous and Efficient Message Authentication Scheme for Smart Grid. Security and Communication Networks, 2019, 2019, 1-12.	1.5	22
36	Analysis of handover authentication protocols for mobile wireless networks using identity-based public key cryptography. Computer Networks, 2017, 128, 154-163.	5.1	21

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37	An Efficient Multi-hop Broadcast Protocol for Emergency Messages Dissemination in VANETs. Chinese Journal of Electronics, 2017, 26, 614-623.	1.5	21
38	Dual-Server Public-Key Authenticated Encryption with Keyword Search. IEEE Transactions on Cloud Computing, 2022, 10, 322-333.	4.4	21
39	Efficient and Secure Authentication Scheme with Conditional Privacy-Preserving for VANETs. Chinese Journal of Electronics, 2016, 25, 950-956.	1.5	20
40	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
41	PARL. , 2018, , .		18
42	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
43	Imputing missing indoor air quality data with inverse mapping generative adversarial network. Building and Environment, 2022, 215, 108896.	6.9	16
44	A secure and efficient public auditing scheme using RSA algorithm for cloud storage. Journal of Supercomputing, 2017, 73, 5285-5309.	3.6	15
45	A mobile edge computing-based applications execution framework for Internet of Vehicles. Frontiers of Computer Science, 2022, 16, 1.	2.4	15
46	Secure public data auditing scheme for cloud storage in smart city. Personal and Ubiquitous Computing, 2017, 21, 949-962.	2.8	14
47	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
48	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
49	A Parallel and Forward Private Searchable Public-Key Encryption for Cloud-Based Data Sharing. IEEE Access, 2020, 8, 28009-28020.	4.2	12
50	Deep Reinforcement Learning for Smart City Communication Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 4188-4196.	11.3	12
51	Flexible Advance Reservation for Grid Computing. Lecture Notes in Computer Science, 2004, , 241-248.	1.3	12
52	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
53	Privacy-preserving auditing scheme for shared data in public clouds. Journal of Supercomputing, 2018, 74, 6156-6183.	3.6	11
54	An Adaptive Advance Reservation Mechanism for Grid Computing. , 2005, , .		10

#	ARTICLE	IF	CITATIONS
55	Be Stable and Fair: Robust Data Scheduling for Vehicular Networks. IEEE Access, 2018, 6, 32839-32849.	4.2	10
56	A New Proposed Sensor Cloud Architecture Based on Fog Computing for Internet of Things. , 2019, , .		10
57	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
58	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
59	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
60	Research on an Effective Mechanism of Task-scheduling in Grid Environment. , 2006, , .		7
61	Reduction of Quality (RoQ) attacks on structured peer-to-peer networks. , 2009, , .		7
62	A Multi-objective Reinforcement Learning Perspective on Internet Congestion Control. , 2021, , .		7
63	TSA-GAN: A Robust Generative Adversarial Networks for Time Series Augmentation. , 2021, , .		7
64	Security analysis of a publicly verifiable data possession scheme for remote storage. Journal of Supercomputing, 2017, 73, 4923-4930.	3.6	6
65	<italic>Outlet</italic>: Outsourcing Wearable Computing to the Ambient Mobile Computing Edge. IEEE Access, 2018, 6, 18408-18419.	4.2	6
66	A V2I communication-based pipeline model for adaptive urban traffic light scheduling. Frontiers of Computer Science, 2019, 13, 929-942.	2.4	6
67	A frontier based multi-robot approach for coverage of unknown environments. , 2015, , .		5
68	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
69	A Novel Interoperable Model of Distributed UDDI. , 2008, , .		4
70	A dynamic size MCL algorithm for mobile robot localization. , 2010, , .		4
71	The Research and Implementation of ARP Monitoring and Protection. , 2011, , .		4
72	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

#	ARTICLE	IF	CITATIONS
73	RLCC: Practical Learning-based Congestion Control for the Internet. , 2021, , .		4
74	DEN-DQL: Quick Convergent Deep Q-Learning with Double Exploration Networks for News Recommendation. , 2021, , .		4
75	Classification Method of Encrypted Traffic Based on Deep Neural Network. Communications in Computer and Information Science, 2019, , 528-544.	0.5	4
76	Data Dissemination With Trajectory Privacy Protection for 6G-Oriented Vehicular Networks. IEEE Internet of Things Journal, 2022, 9, 21469-21480.	8.7	4
77	An Overtime-Tolerance Strategy for Advance Reservation. , 2006, , .		3
78	A Resource Discovery Algorithm with Probe Feedback Mechanism Based on Advance Reservation. , 2006, , .		3
79	More Efficient Mechanism of Topology-Aware Overlay Construction in Application-Layer Multicast. , 2007, , .		3
80	Hierarchical Junction Trees as the Secondary Structure for Inference in Bayesian Networks. , 2007, , .		3
81	A Block Gathering Based on Mobile Web Page Segmentation Algorithm. , 2011, , .		3
82	A survey of ROHC header compression schemes. , 2012, , .		3
83	Message dissemination scheduling for multiple cooperative drivings. , 2017, , .		3
84	Saliency-CAM: Visual Explanations from Convolutional Neural Networks via Saliency Score. , 2021, , .		3
85	A Connectivity-Prior Model for Generating Connected Power Law Random Graphs with Prescribed Degree Sequence. , 2007, , .		2
86	A Study of Improving Apriori Algorithm. , 2010, , .		2
87	Ant colony optimization for PON network design. , 2011, , .		2
88	A Spatial-Temporal Graph Attention Network for Multi-intersection Traffic Light Control. , 2021, , .		2
89	An improved multi-attribute decision-making based network selection algorithm for heterogeneous vehicular network. Frontiers of Computer Science, 2022, 16, 1.	2.4	2
90	Loop2Recursion: Compiler-Assisted Wear Leveling for Non-Volatile Memory. , 2020, , .		2

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91	Lamina: Low Overhead Wear Leveling for NVM with Bounded Tail. , 2022, , .		2
92	Glider: rethinking congestion control with deep reinforcement learning. World Wide Web, 2023, 26, 115-137.	4.0	2
93	GMF-BMA: A New Grid Resource Monitoring Model. , 2008, , .		1
94	A novel fault detection mechanism of topology-aware ALM. , 2009, , .		1
95	LDoS attack in ad-hoc network. , 2009, , .		1
96	On designing approximate inference algorithms for multiply sectioned Bayesian networks. , 2009, , .		1
97	Research on improving Apriori algorithm based on interested table. , 2010, , .		1
98	Research on PIM-SM multicast routing improvement. , 2010, , .		1
99	Application Layer Multicast Streaming Media Live System Based on Scribe. International Journal of Advancements in Computing Technology, 2012, 4, 517-525.	0.1	1
100	Strongly Secure Two-Party Certificateless Key Agreement Protocol with Short Message. Lecture Notes in Computer Science, 2016, , 244-254.	1.3	1
101	The Research and Emulation on PIM-SM Protocol. Lecture Notes in Computer Science, 2010, , 465-472.	1.3	1
102	A Low-Rate DoS Detection Based on Rate Anomalies. Communications in Computer and Information Science, 2011, , 189-196.	0.5	1
103	The Design of the Network Configuration Management Based on NETCONF Protocol. Communications in Computer and Information Science, 2011, , 705-713.	0.5	1
104	A Resource Discovery Algorithm with Probe Feedback Mechanism in Multi-domain Grid Environment. , 2008, , 178-186.		1
105	Privacy-Preserving Data Scheduling in Incentive-Driven Vehicular Network. IEEE Internet of Things Journal, 2022, 9, 22669-22681.	8.7	1
106	Heterogeneous Resource Selection with Portfolio Optimization in Grid Economy. , 2005, , .		0
107	Balanced multi-domain topology-aware overlay networks in application-layer multicast. , 2007, , .		0
108	An Improved Architecture for Iterative Message Passing in MSBN. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
109	Concurrent transmission with minimal SR-pair interference in WiMAX mesh networks. Wuhan University Journal of Natural Sciences, 2009, 14, 210-214.	0.4	0
110	Research on Low-Rate Denial-of-Service Attacks against XCP. , 2010, , .		0
111	Residual-Balanced Spanning Tree Problem of Topology-Aware ALM. , 2010, , .		0
112	Towards set-oriented recursive XML query in pattern-based logic views. , 2013, , .		0
113	Design and Analysis of the Gateway-Level Topology Map in Topology-Aware ALM Systems. , 2013, , .		0
114	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
115	Everyone in SDN Contributes: Fault Localization via Well-Designed Rules. , 2021, , .		0
116	Multi-domain Topology-Aware Grouping for Application-Layer Multicast. Lecture Notes in Computer Science, 2007, , 623-633.	1.3	0
117	Partitioning Algorithm for PON Network Design. Communications in Computer and Information Science, 2011, , 1-8.	0.5	0
118	Research on the RRB+ Tree for Resource Reservation. Lecture Notes in Computer Science, 2013, , 83-93.	1.3	0
119	Research on Efficient Non-slotted Tree Structures for Advance Reservation. Communications in Computer and Information Science, 2013, , 50-61.	0.5	0
120	Hierarchical Adaptive Recovery Algorithm in Mobile ALM. Communications in Computer and Information Science, 2015, , 95-105.	0.5	0
121	Self-adaptive Adjustment on Bandwidth in Application-Layer Multicast. , 2007, , 362-371.		0