

Liangmin Wang

List of Publications by Year in descending order

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times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Layer Security for Next Generation Wireless Networks: Theories, Technologies, and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 347-376.	39.4	489
2	An Efficient Anonymous Batch Authentication Scheme Based on HMAC for VANETs. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2193-2204.	8.0	184
3	Efficient Privacy-Preserving Authentication for Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 907-919.	6.3	144
4	Message Authentication Using Proxy Vehicles in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 3697-3710.	6.3	139
5	Privacy-Aware Task Allocation and Data Aggregation in Fog-Assisted Spatial Crowdsourcing. IEEE Transactions on Network Science and Engineering, 2020, 7, 589-602.	6.4	63
6	A Cloud-Based Trust Management Framework for Vehicular Social Networks. IEEE Access, 2017, 5, 2967-2980.	4.2	57
7	Exploring Fog Computing-Based Adaptive Vehicular Data Scheduling Policies Through a Compositional Formal Methodâ€”PEPA. IEEE Communications Letters, 2017, 21, 745-748.	4.1	52
8	SEM-ACSIT: Secure and Efficient Multiauthority Access Control for IoT Cloud Storage. IEEE Internet of Things Journal, 2020, 7, 2914-2927.	8.7	45
9	Enabling Data Trustworthiness and User Privacy in Mobile Crowdsensing. IEEE/ACM Transactions on Networking, 2019, 27, 2294-2307.	3.8	42
10	Secure k-NN Query on Encrypted Cloud Data with Multiple Keys. IEEE Transactions on Big Data, 2017, , 1-1.	6.1	41
11	Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. IEEE Transactions on Vehicular Technology, 2020, 69, 2980-2992.	6.3	40
12	Patient Flow Scheduling and Capacity Planning in a Smart Hospital Environment. IEEE Access, 2016, 4, 135-148.	4.2	37
13	Secrecy Capacity Analysis of Artificial Noisy MIMO Channelsâ€”An Approach Based on Ordered Eigenvalues of Wishart Matrices. IEEE Transactions on Information Forensics and Security, 2017, 12, 617-630.	6.9	37
14	Covert Communications in D2D Underlying Cellular Networks With Power Domain NOMA. IEEE Systems Journal, 2020, 14, 3717-3728.	4.6	36
15	Secure and Efficient Cloud Data Deduplication with Ownership Management. IEEE Transactions on Services Computing, 2017, , 1-1.	4.6	34
16	Secure Similar Sequence Query on Outsourced Genomic Data. , 2018, , .		31
17	Secure Data Aggregation with Fully Homomorphic Encryption in Large-Scale Wireless Sensor Networks. Sensors, 2015, 15, 15952-15973.	3.8	30
18	P2BA: A Privacy-Preserving Protocol With Batch Authentication Against Semi-Trusted RSUs in Vehicular Ad Hoc Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 3888-3899.	6.9	30

#	ARTICLE	IF	CITATIONS
19	NOTSA: Novel OBU With Three-Level Security Architecture for Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 3548-3558.	8.7	29
20	A Robust Security Architecture for SDN-Based 5G Networks. Future Internet, 2019, 11, 85.	3.8	29
21	Physical Layer Security Assisted Computation Offloading in Intelligently Connected Vehicle Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3555-3570.	9.2	28
22	Patients-Controlled Secure and Privacy-Preserving EHRs Sharing Scheme Based on Consortium Blockchain. , 2019, , .		25
23	Multilevel Identification and Classification Analysis of Tor on Mobile and PC Platforms. IEEE Transactions on Industrial Informatics, 2021, 17, 1079-1088.	11.3	24
24	ECDS: Efficient collaborative downloading scheme for popular content distribution in urban vehicular networks. Computer Networks, 2016, 101, 90-103.	5.1	23
25	Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 7281-7294.	6.3	22
26	Personalized extended (<i>k</i> , <i>l</i>)-anonymity model for privacy-preserving data publishing. Concurrency Computation Practice and Experience, 2017, 29, e3886.	2.2	20
27	Verifiable Search Meets Blockchain: A Privacy-Preserving Framework for Outsourced Encrypted Data. , 2019, , .		19
28	SHAMC: A Secure and highly available database system in multi-cloud environment. Future Generation Computer Systems, 2020, 105, 873-883.	7.5	19
29	An Energy-Aware Spatial Index Tree for Multi-Region Attribute Query Aggregation Processing in Wireless Sensor Networks. IEEE Access, 2017, 5, 2080-2095.	4.2	15
30	A Hybrid Deep Network Framework for Android Malware Detection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5558-5570.	5.7	15
31	Artificial Noisy MIMO Systems Under Correlated Scattering Rayleigh Fading—A Physical Layer Security Approach. IEEE Systems Journal, 2020, 14, 2121-2132.	4.6	14
32	Toward Privacy-Preserving Symptoms Matching in SDN-Based Mobile Healthcare Social Networks. IEEE Internet of Things Journal, 2018, 5, 1379-1388.	8.7	13
33	3VSR: Three Valued Secure Routing for Vehicular Ad Hoc Networks using Sensing Logic in Adversarial Environment. Sensors, 2018, 18, 856.	3.8	13
34	Multi-hop interpersonal trust assessment in vehicular ad hoc networks using three-valued subjective logic. IET Information Security, 2019, 13, 223-230.	1.7	13
35	Towards Efficient Privacy-Preserving Auction Mechanism for Two-Sided Cloud Markets. , 2019, , .		12
36	A trust evaluation framework using in a vehicular social environment. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
37	Strongly Secure and Efficient Range Queries in Cloud Databases under Multiple Keys. , 2019, , .		11
38	Blockchain-Based Reliable and Privacy-Aware Crowdsourcing With Truth and Fairness Assurance. IEEE Internet of Things Journal, 2022, 9, 3586-3598.	8.7	11
39	A Lightweight Auction Framework for Spectrum Allocation with Strong Security Guarantees. , 2020, , .		10
40	Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 2967-2979.	6.3	10
41	Multi-Attribute Crowdsourcing Task Assignment With Stability and Satisfactory. IEEE Access, 2019, 7, 133351-133361.	4.2	9
42	FuzzyDedup: Secure Fuzzy Deduplication for Cloud Storage. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 2466-2483.	5.4	9
43	Recovering Coverage Holes by Using Mobile Sensors in Wireless Sensor Networks. , 2011, , .		8
44	Privacy-Preserving Location-Based Service Scheme for Mobile Sensing Data. Sensors, 2016, 16, 1993.	3.8	8
45	SLAT: Sub-Trajectory Linkage Attack Tolerance Framework for Privacy-Preserving Trajectory Publishing. , 2018, , .		8
46	Efficient data handover and intelligent information assessment in software-defined vehicular social networks. IET Intelligent Transport Systems, 2019, 13, 1814-1821.	3.0	8
47	Game Theory Based Cooperation Incentive Mechanism in Vehicular Ad Hoc Networks. , 2012, , .		7
48	ReliableBox: Secure and Verifiable Cloud Storage With Location-Aware Backup. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2996-3010.	5.6	7
49	Privacy-Enhanced and Practical Truth Discovery in Two-Server Mobile Crowdsensing. IEEE Transactions on Network Science and Engineering, 2022, 9, 1740-1755.	6.4	7
50	A Rapid Certification Protocol from Bilinear Pairings for Vehicular Ad Hoc Networks. , 2012, , .		6
51	A QoS Guarantee Framework for Cloud Services Based on Bayesian Prediction. , 2015, , .		6
52	Fault-tolerant topology evolution and analysis of sensing systems in IoT based on complex networks. International Journal of Sensor Networks, 2015, 18, 22.	0.4	6
53	Efficient and Secure Top-k Query Processing on Hybrid Sensed Data. Mobile Information Systems, 2016, 2016, 1-10.	0.6	6
54	PAU: Privacy Assessment method with Uncertainty consideration for cloud-based vehicular networks. Future Generation Computer Systems, 2019, 96, 368-375.	7.5	6

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55	A hierarchical mobility management scheme based on software defined networking. Peer-to-Peer Networking and Applications, 2019, 12, 310-325.	3.9	6
56	ESAC: An Efficient and Secure Access Control Scheme in Vehicular Named Data Networking. IEEE Transactions on Vehicular Technology, 2020, 69, 10252-10263.	6.3	6
57	Exploring Trusted Data Dissemination in a Vehicular Social Network with a Formal Compositional Approach. , 2016, , .		5
58	A Truthful Online Incentive Mechanism for Nondeterministic Spectrum Allocation. IEEE Transactions on Wireless Communications, 2020, 19, 4632-4642.	9.2	5
59	RBP: a website fingerprinting obfuscation method against intelligent fingerprinting attacks. Journal of Cloud Computing: Advances, Systems and Applications, 2021, 10, .	3.9	5
60	Multi-timescale and multi-centrality layered node selection for efficient traffic monitoring in SDNs. Computer Networks, 2021, 198, 108381.	5.1	5
61	Security Verification of Location Estimate in Wireless Sensor Networks. , 2010, , .		4
62	Secure Nearest Neighbor Query on Crowd-Sensing Data. Sensors, 2016, 16, 1545.	3.8	4
63	Answering Multiattribute Top- k Queries in Fog-Supported Wireless Sensor Networks Leveraging Priority Assignment Technology. IEEE Transactions on Industrial Informatics, 2018, 14, 4507-4518.	11.3	4
64	Secure and Privacy-Preserving Report De-duplication in the Fog-Based Vehicular Crowdsensing System. , 2018, , .		4
65	A Secure Data Forwarding Scheme in Vehicular Named Data Networking. , 2018, , .		3
66	Secure Top- k Preference Query for Location-based Services in Crowd-outsourcing Environments. Computer Journal, 2018, 61, 496-511.	2.4	3
67	Privacy-Preserving and Trustworthy Mobile Sensing with Fair Incentives. , 2019, , .		3
68	Logical Topology Inference via CPGCN Joint Optimizing With Pedestrian Re-Id. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-13.	11.3	3
69	Mobile node authentication protocol for crossing cluster in heterogeneous wireless sensor network. , 2011, , .		2
70	Mechanism Design Based Nodes Selection Model for Threshold Key Management in MANETs. , 2012, , .		2
71	Credit-Based Incentives in Vehicular Ad Hoc Networks. , 2014, , .		2
72	A Personalized Extended (a, k)-Anonymity Model. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
73	Lightweight and privacy-preserving agent data transmission for mobile Healthcare. , 2015, , .		2
74	Efficient Privacy-Preserving Processing Scheme for Location-Based Queries in Mobile Cloud. , 2016, , .		2
75	Secure and efficient k-nearest neighbor query for location-based services in outsourced environments. Science China Information Sciences, 2018, 61, 1.	4.3	2
76	Adaptive Meek Technology for Anti-Traffic Analysis. , 2020, , .		2
77	Anonymous Information Transmission Method based on Dual Cloud Structure. , 2020, , .		2
78	Probability Flow Model Based Route Optimization Method for VANET. , 2012, , .		1
79	Security and Privacy in Internet of Things with Crowd-Sensing. Journal of Electrical and Computer Engineering, 2017, 2017, 1-2.	0.9	1
80	Flexibly and Securely Shape Your Data Disclosed to Others. , 2019, , .		1
81	CPWF: Cross-Platform Website Fingerprinting Based on Multi-Similarity Loss. , 2020, , .		1
82	SMA: SRv6-Based Multidomain Integrated Architecture for Industrial Internet. IEEE Transactions on Industrial Informatics, 2022, 18, 4234-4243.	11.3	1
83	A Scalable Privacy-Preserving Protocol for RFID-Based Supply Chain. , 2012, , .		0
84	Optimizing Fast Near Collision Attack on Grain Using Linear Programming. IEEE Access, 2019, 7, 181191-181201.	4.2	0
85	Towards Flexible and Truthful Incentive for Multichannel Allocation in DSA. IEEE Transactions on Vehicular Technology, 2021, 70, 4646-4656.	6.3	0
86	Guest Editorial: Reliability and Security for Intelligent Wireless Sensing and Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2651-2655.	11.3	0
87	Elastic Scheduling of Virtual Machines in Cloudlet Networks. , 2021, , .		0