Liehuang Zhu

List of Publications by Year
in descending order

233 papers	7,061 citations	76326 40 h-index	69250 77 g-index
237 all docs	237 docs citations	237 times ranked	5064 citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Access Filtering for Privacy-Preserving Fog Computing. IEEE Transactions on Cloud Computing, 2022, 10, 539-552.	4.4	13
2	TPPR: A Trust-Based and Privacy-Preserving Platoon Recommendation Scheme in VANET. IEEE Transactions on Services Computing, 2022, 15, 806-818.	4.6	28
3	FastPRS: Augmenting Fast and Hidden Query in EPR Systems via Online/Offline Puncturable Search. IEEE Internet of Things Journal, 2022, 9, 1531-1541.	8.7	0
4	Attacking the Edge-of-Things: A Physical Attack Perspective. IEEE Internet of Things Journal, 2022, 9, 5240-5253.	8.7	2
5	Location Privacy-Preserving Task Recommendation With Geometric Range Query in Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2022, 21, 4410-4425.	5.8	35
6	BPAF: Blockchain-Enabled Reliable and Privacy-Preserving Authentication for Fog-Based IoT Devices. IEEE Consumer Electronics Magazine, 2022, 11, 88-96.	2.3	17
7	Proof of Continuous Work for Reliable Data Storage Over Permissionless Blockchain. IEEE Internet of Things Journal, 2022, 9, 7866-7875.	8.7	7
8	Decentralized Privacy-Preserving Fair Exchange Scheme for V2G Based on Blockchain. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2442-2456.	5.4	15
9	Reliable and Privacy-Preserving Top-k Disease Matching Schemes for E-Healthcare Systems. IEEE Internet of Things Journal, 2022, 9, 5537-5547.	8.7	4
10	Edge Computing and Lightning Network Empowered Secure Food Supply Management. IEEE Internet of Things Journal, 2022, 9, 14247-14259.	8.7	15
11	Chain-Based Covert Data Embedding Schemes in Blockchain. IEEE Internet of Things Journal, 2022, 9, 14699-14707.	8.7	17
12	Video Aficionado: We Know What You Are Watching. IEEE Transactions on Mobile Computing, 2022, 21, 3041-3052.	5.8	1
13	Toward Reliable and Confidential Release for Smart Contract via ID-Based TRE. IEEE Internet of Things Journal, 2022, 9, 11422-11433.	8.7	4
14	SCARE and power attack on AES-like block ciphers with secret S-box. Frontiers of Computer Science, 2022, 16, 1.	2.4	0
15	RePEL: Blockchain-Empowered Conditional Privacy-Preserving Encrypted Learning. IEEE Internet of Things Journal, 2022, 9, 12684-12695.	8.7	0
16	Privacy-Preserving and Fault-Tolerant Aggregation of Time-Series Data With a Semi-Trusted Authority. IEEE Internet of Things Journal, 2022, 9, 12231-12240.	8.7	5
17	Dynamic Data Transaction in Crowdsensing Based on Multi-Armed Bandits and Shapley Value. IEEE Transactions on Sustainable Computing, 2022, 7, 609-618.	3.1	2
18	User-Defined Privacy-Preserving Traffic Monitoring Against n-by-1 Jamming Attack. IEEE/ACM Transactions on Networking, 2022, 30, 2060-2073.	3.8	10

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19	V-EPTD: A Verifiable andÂEfficient Scheme forÂPrivacy-Preserving Truth Discovery. Lecture Notes in Computer Science, 2022, , 447-461.	1.3	1
20	CL-BC: A Secure Data Storage Model for Social Networks. Security and Communication Networks, 2022, 2022, 1-13.	1.5	3
21	Report When Malicious: Deniable and Accountable Searchable Message-Moderation System. IEEE Transactions on Information Forensics and Security, 2022, 17, 1597-1609.	6.9	4
22	Vehicle Re-Identification System Based on Appearance Features. Security and Communication Networks, 2022, 2022, 1-12.	1.5	1
23	Malicious Transaction Identification in Digital Currency via Federated Graph Deep Learning. , 2022, , .		3
24	TreeNet Based Fast Task Decomposition for Resource-Constrained Edge Intelligence. IEEE Transactions on Services Computing, 2022, , 1-13.	4.6	1
25	SmartFilter: An Edge System for Real-Time Application-Guided Video Frames Filtering. IEEE Internet of Things Journal, 2022, 9, 23772-23785.	8.7	2
26	Privacy-Preserving Traffic Monitoring with False Report Filtering via Fog-Assisted Vehicular Crowdsensing. IEEE Transactions on Services Computing, 2021, 14, 1902-1913.	4.6	48
27	An Energy-Aware High Performance Task Allocation Strategy in Heterogeneous Fog Computing Environments. IEEE Transactions on Computers, 2021, 70, 626-639.	3.4	30
28	Enabling Privacy-Preserving Shortest Distance Queries on Encrypted Graph Data. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 192-204.	5.4	24
29	Exploiting Unintended Property Leakage in Blockchain-Assisted Federated Learning for Intelligent Edge Computing. IEEE Internet of Things Journal, 2021, 8, 2265-2275.	8.7	38
30	Blockchain-Enabled Trustworthy Group Communications in UAV Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4118-4130.	8.0	40
31	Successive Point-of-Interest Recommendation With Personalized Local Differential Privacy. IEEE Transactions on Vehicular Technology, 2021, 70, 10477-10488.	6.3	11
32	Privacy for 5G-Supported Vehicular Networks. IEEE Open Journal of the Communications Society, 2021, 2, 1935-1956.	6.9	4
33	Blockchain-Based Verifiable DSSE with Forward Security in Multi-server Environments. Lecture Notes in Computer Science, 2021, , 163-171.	1.3	1
34	Fine-Grained Webpage Fingerprinting Using Only Packet Length Information of Encrypted Traffic. IEEE Transactions on Information Forensics and Security, 2021, 16, 2046-2059.	6.9	50
35	PRVB: Achieving Privacy-Preserving and Reliable Vehicular Crowdsensing via Blockchain Oracle. IEEE Transactions on Vehicular Technology, 2021, 70, 831-843.	6.3	23
36	Effective and Robust Physical-World Attacks on Deep Learning Face Recognition Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 4063-4077.	6.9	19

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37	Anonymous and Verifiable Reputation System for E-Commerce Platforms Based on Blockchain. IEEE Transactions on Network and Service Management, 2021, 18, 4434-4449.	4.9	26
38	SDN Controllers. ACM Computing Surveys, 2021, 53, 1-40.	23.0	50
39	SearchBC: A Blockchain-Based PEKS Framework for IoT Services. IEEE Internet of Things Journal, 2021, 8, 5031-5044.	8.7	10
40	Enabling privacy-preserving multi-level attribute based medical service recommendation in eHealthcare systems. Peer-to-Peer Networking and Applications, 2021, 14, 1841-1853.	3.9	2
41	Achieving adaptively secure data access control with privacy protection for lightweight IoT devices. Science China Information Sciences, 2021, 64, 1.	4.3	10
42	A Blockchain-Based Storage System With Financial Incentives for Load-balancing. IEEE Transactions on Network Science and Engineering, 2021, 8, 1178-1188.	6.4	7
43	Three-Stage Stackelberg Long-Term Incentive Mechanism and Monetization for Mobile Crowdsensing: An Online Learning Approach. IEEE Transactions on Network Science and Engineering, 2021, 8, 1385-1398.	6.4	21
44	On-demand cut off the covert channel to mitigate meltdown. Science China Information Sciences, 2021, 64, 1.	4.3	1
45	A Multiple Sieve Approach Based on Artificial Intelligent Techniques and Correlation Power Analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.	4.3	4
46	An Energy Aware Offloading Scheme for Interdependent Applications in Software-Defined IoV With Fog Computing Architecture. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3813-3823.	8.0	21
47	Privacy-Preserving Approximate Top-k Nearest Keyword Queries over Encrypted Graphs. , 2021, , .		1
48	Efficient Fine-Grained Website Fingerprinting via Encrypted Traffic Analysis with Deep Learning. , 2021, , .		13
49	IriTrack. , 2021, 5, 1-21.		6
50	A blockchain-based dynamic searchable symmetric encryption scheme under multiple clouds. Peer-to-Peer Networking and Applications, 2021, 14, 3647-3659.	3.9	7
51	Privacy-preserving contact tracing in 5G-integrated and blockchain-based medical applications. Computer Standards and Interfaces, 2021, 77, 103520.	5.4	43
52	Privacy-Preserving Machine Learning Training in IoT Aggregation Scenarios. IEEE Internet of Things Journal, 2021, 8, 12106-12118.	8.7	18
53	Privacy-preserving voluntary-tallying leader election for internet of things. Information Sciences, 2021, 574, 461-472.	6.9	5
54	Blockchain Empowered Differentially Private and Auditable Data Publishing in Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 7659-7668.	11.3	6

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55	Efficient Framework for Genetic Algorithm-Based Correlation Power Analysis. IEEE Transactions on Information Forensics and Security, 2021, 16, 4882-4894.	6.9	5
56	Blockchain-as-a-Service Powered Knowledge Graph Construction. Lecture Notes in Computer Science, 2021, , 500-511.	1.3	1
57	Accurate Decentralized Application Identification via Encrypted Traffic Analysis Using Graph Neural Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 2367-2380.	6.9	99
58	Classification Method of Blockchain and IoT Devices Based on LSTM. Communications in Computer and Information Science, 2021, , 355-367.	0.5	0
59	Threat Prediction of Abnormal Transaction Behavior Based on Graph Convolutional Network in Blockchain Digital Currency. Communications in Computer and Information Science, 2021, , 201-213.	0.5	3
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61	Heuristic-based Blockchain Assignment: An Empirical Study. , 2021, , .		0
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63	A Blockchain-Assisted Privacy-Preserving Cloud Computing Method with Multiple Keys. , 2021, , .		2
64	Content-based multi-source encrypted image retrieval in clouds with privacy preservation. Future Generation Computer Systems, 2020, 109, 621-632.	7.5	65
65	ASAP: An Anonymous Smart-Parking and Payment Scheme in Vehicular Networks. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 703-715.	5.4	85
66	Differential Privacy-Based Blockchain for Industrial Internet-of-Things. IEEE Transactions on Industrial Informatics, 2020, 16, 4156-4165.	11.3	181
67	PGAS: Privacy-preserving graph encryption for accurate constrained shortest distance queries. Information Sciences, 2020, 506, 325-345.	6.9	28
68	Blockchain-based multimedia sharing in vehicular social networks with privacy protection. Multimedia Tools and Applications, 2020, 79, 8085-8105.	3.9	30
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70	A privacy-preserving data aggregation scheme for dynamic groups in fog computing. Information Sciences, 2020, 514, 118-130.	6.9	57
71	Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. IEEE Transactions on Vehicular Technology, 2020, 69, 163-171.	6.3	27
72	Blockchain and Data Sharing. , 2020, , 15-27.		3

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73	Secure Homogeneous Data Sharing Using Blockchain. , 2020, , 39-59.		1
74	Data Sharing Incentives with Blockchain. , 2020, , 103-122.		0
75	Verifiable and Privacy-Preserving Traffic Flow Statistics for Advanced Traffic Management Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 10336-10347.	6.3	20
76	DeepQoE: Real-time Measurement of Video QoE from Encrypted Traffic with Deep Learning. , 2020, , .		11
77	Optimizing Feature Selection for Efficient Encrypted Traffic Classification: A Systematic Approach. IEEE Network, 2020, 34, 20-27.	6.9	52
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82	WiPOS: A POS Terminal Password Inference System Based on Wireless Signals. IEEE Internet of Things Journal, 2020, 7, 7506-7516.	8.7	5
83	A mutual authentication and key update protocol in satellite communication network. Automatika, 2020, 61, 334-344.	2.0	9
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87	A machine learning based golden-free detection method for command-activated hardware Trojan. Information Sciences, 2020, 540, 292-307.	6.9	10
88	Who is Driving? Event-Driven Driver Identification and Impostor Detection Through Support Vector Machine. IEEE Sensors Journal, 2020, 20, 6552-6559.	4.7	14
89	Identifying the vulnerabilities of bitcoin anonymous mechanism based on address clustering. Science China Information Sciences, 2020, 63, 1.	4.3	29
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92	Blockchain-Based Incentives for Secure and Collaborative Data Sharing in Multiple Clouds. IEEE Journal on Selected Areas in Communications, 2020, 38, 1229-1241.	14.0	89
93	BSFP: Blockchain-Enabled Smart Parking With Fairness, Reliability and Privacy Protection. IEEE Transactions on Vehicular Technology, 2020, 69, 6578-6591.	6.3	51
94	Aggregate in my way: Privacy-preserving data aggregation without trusted authority in ICN. Future Generation Computer Systems, 2020, 111, 107-116.	7.5	10
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96	Consensus in Lens of Consortium Blockchain: An Empirical Study. Lecture Notes in Computer Science, 2020, , 282-296.	1.3	2
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99	Blockchain: Empowering Secure Data Sharing. , 2020, , .		2
100	Efficient and Privacy-Preserving Non-Interactive Truth Discovery for Mobile Crowdsensing. , 2020, , .		3
101	A Privacy-Preserving Location-Aware and Traffic Order-Based Route Collection Scheme in VANETs. , 2020, , .		1
102	Secure Data Retrieval Using Blockchain. , 2020, , 81-101.		1
103	LPTD: Achieving lightweight and privacy-preserving truth discovery in CIoT. Future Generation Computer Systems, 2019, 90, 175-184.	7.5	46
104	Blockchain-Enabled Cloud Data Preservation Services. , 2019, , 43-52.		0
105	Blockchain-Enabled Ride-Hailing Services. , 2019, , 93-105.		1
106	Pay as How You Behave: A Truthful Incentive Mechanism for Mobile Crowdsensing. IEEE Internet of Things Journal, 2019, 6, 10053-10063.	8.7	20
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111	Encrypted traffic classification of decentralized applications on ethereum using feature fusion. , 2019, , .		24
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116	Exploring Topics in Blockchain-Enabled Internet of Things. , 2019, , 109-114.		1
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118	An Incentive Mechanism Using Shapley Value for Blockchain-Based Medical Data Sharing. , 2019, , .		20
119	Privacy-Preserving Image Retrieval for Medical IoT Systems: A Blockchain-Based Approach. IEEE Network, 2019, 33, 27-33.	6.9	140
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123	Reliable and Privacy-Preserving Truth Discovery for Mobile Crowdsensing Systems. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	50
124	Achieving Searchable and Privacy-Preserving Data Sharing for Cloud-Assisted E-Healthcare System. IEEE Internet of Things Journal, 2019, 6, 8345-8356.	8.7	74
125	ESAS: An Efficient Semantic and Authorized Search Scheme over Encrypted Outsourced Data. , 2019, , .		1
126	Privacy-Preserving Authentication and Data Aggregation for Fog-Based Smart Grid. IEEE Communications Magazine, 2019, 57, 80-85.	6.1	58

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128	Permissioned Blockchain and Edge Computing Empowered Privacy-Preserving Smart Grid Networks. IEEE Internet of Things Journal, 2019, 6, 7992-8004.	8.7	295
129	Privacy-Preserving Support Vector Machine Training Over Blockchain-Based Encrypted IoT Data in Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7702-7712.	8.7	313
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131	Secure Fog-Assisted Crowdsensing With Collusion Resistance: From Data Reporting to Data Requesting. IEEE Internet of Things Journal, 2019, 6, 5473-5484.	8.7	25
132	Machine Learning Classification on Traffic of Secondary Encryption. , 2019, , .		3
133	Location-based Privacy-preserving Techniques in Connected Environment: A Survey. , 2019, , .		2
134	Privacy-Preserving Graph Encryption for Approximate Constrained Shortest Distance Queries. , 2019, , .		1
135	Traffic Monitoring in Self-Organizing VANETs: A Privacy-Preserving Mechanism for Speed Collection and Analysis. IEEE Wireless Communications, 2019, 26, 18-23.	9.0	18
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137	Secure Phrase Search for Intelligent Processing of Encrypted Data in Cloud-Based IoT. IEEE Internet of Things Journal, 2019, 6, 1998-2008.	8.7	62
138	Trust-Based Privacy-Preserving Photo Sharing in Online Social Networks. IEEE Transactions on Multimedia, 2019, 21, 591-602.	7.2	14
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140	Provable Data Integrity of Cloud Storage Service With Enhanced Security in the Internet of Things. IEEE Access, 2019, 7, 6226-6239.	4.2	12
141	Privacy-Preserving Energy Trading Using Consortium Blockchain in Smart Grid. IEEE Transactions on Industrial Informatics, 2019, 15, 3548-3558.	11.3	424
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146	CoRide: A Privacy-Preserving Collaborative-Ride Hailing Service Using Blockchain-Assisted Vehicular Fog Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 408-422.	0.3	16
147	VLA. , 2019, 3, 1-19.		22
148	Big Data Mining of Users' Energy Consumption Patterns in the Wireless Smart Grid. IEEE Wireless Communications, 2018, 25, 84-89.	9.0	39
149	Privacy-Preserving Content-Oriented Wireless Communication in Internet-of-Things. IEEE Internet of Things Journal, 2018, 5, 3059-3067.	8.7	128
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153	Cross-cluster asymmetric group key agreement for wireless sensor networks. Science China Information Sciences, 2018, 61, 1.	4.3	23
154	Right or wrong collision rate analysis without profiling: full-automatic collision fault attack. Science China Information Sciences, 2018, 61, 1.	4.3	5
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156	Cloud-Based Approximate Constrained Shortest Distance Queries Over Encrypted Graphs With Privacy Protection. IEEE Transactions on Information Forensics and Security, 2018, 13, 940-953.	6.9	134
157	Privacy Leakage in Smart Homes and Its Mitigation: IFTTT as a Case Study. , 2018, , .		0
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179	Graph Encryption for Top-K Nearest Keyword Search Queries on Cloud. IEEE Transactions on Sustainable Computing, 2017, 2, 371-381.	3.1	18
180	Toward Delay-Tolerant Flexible Data Access Control for Smart Grid With Renewable Energy Resources. IEEE Transactions on Industrial Informatics, 2017, 13, 3216-3225.	11.3	25

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183	When privacy meets economics: Enabling differentially-private battery-supported meter reporting in smart grid. , 2017, , .		24
184	Efficient searchable symmetric encryption for storing multiple source dynamic social data on cloud. Journal of Network and Computer Applications, 2017, 86, 3-14.	9.1	23
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