

# Hongwei Li

## List of Publications by Year in descending order

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123  
papers

5,360  
citations

101543  
36  
h-index

91884  
69  
g-index

123  
all docs

123  
docs citations

123  
times ranked

3429  
citing authors

#	ARTICLE	IF	CITATIONS
1	VerifyNet: Secure and Verifiable Federated Learning. IEEE Transactions on Information Forensics and Security, 2020, 15, 911-926.	6.9	373
2	Efficient and Privacy-Enhanced Federated Learning for Industrial Artificial Intelligence. IEEE Transactions on Industrial Informatics, 2020, 16, 6532-6542.	11.3	306
3	EPPDR: An Efficient Privacy-Preserving Demand Response Scheme with Adaptive Key Evolution in Smart Grid. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2053-2064.	5.6	263
4	An Efficient Merkle-Tree-Based Authentication Scheme for Smart Grid. IEEE Systems Journal, 2014, 8, 655-663.	4.6	235
5	Enabling Fine-Grained Multi-Keyword Search Supporting Classified Sub-Dictionaries over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 312-325.	5.4	228
6	Secure Multi-Party Computation: Theory, practice and applications. Information Sciences, 2019, 476, 357-372.	6.9	197
7	HealthDep: An Efficient and Secure Deduplication Scheme for Cloud-Assisted eHealth Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 4101-4112.	11.3	173
8	Enabling Efficient Multi-Keyword Ranked Search Over Encrypted Mobile Cloud Data Through Blind Storage. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 127-138.	4.6	157
9	Identity-Based Authentication for Cloud Computing. Lecture Notes in Computer Science, 2009, , 157-166.	1.3	156
10	Enabling Efficient and Geometric Range Query With Access Control Over Encrypted Spatial Data. IEEE Transactions on Information Forensics and Security, 2019, 14, 870-885.	6.9	156
11	Engineering searchable encryption of mobile cloud networks: when QoE meets QoP. IEEE Wireless Communications, 2015, 22, 74-80.	9.0	149
12	Efficient Public Verification of Data Integrity for Cloud Storage Systems from Indistinguishability Obfuscation. IEEE Transactions on Information Forensics and Security, 2017, 12, 676-688.	6.9	131
13	Querying in Internet of Things with Privacy Preserving: Challenges, Solutions and Opportunities. IEEE Network, 2018, 32, 144-151.	6.9	125
14	Achieving Secure and Efficient Dynamic Searchable Symmetric Encryption over Medical Cloud Data. IEEE Transactions on Cloud Computing, 2020, 8, 484-494.	4.4	117
15	Lightweight Fine-Grained Search Over Encrypted Data in Fog Computing. IEEE Transactions on Services Computing, 2019, 12, 772-785.	4.6	112
16	Personalized Search Over Encrypted Data With Efficient and Secure Updates in Mobile Clouds. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 97-109.	4.6	110
17	Privacy-Preserving Attribute-Based Keyword Search in Shared Multi-owner Setting. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1080-1094.	5.4	108
18	Smart and Practical Privacy-Preserving Data Aggregation for Fog-Based Smart Grids. IEEE Transactions on Information Forensics and Security, 2021, 16, 521-536.	6.9	106

#	ARTICLE	IF	CITATIONS
19	Towards Efficient and Privacy-Preserving Federated Deep Learning. , 2019, , .		92
20	Blockchain-Assisted Public-Key Encryption with Keyword Search Against Keyword Guessing Attacks for Cloud Storage. IEEE Transactions on Cloud Computing, 2021, 9, 1335-1348.	4.4	92
21	Efficient and Privacy-Preserving Truth Discovery in Mobile Crowd Sensing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 3854-3865.	6.3	91
22	SCLPV: Secure Certificateless Public Verification for Cloud-Based Cyber-Physical-Social Systems Against Malicious Auditors. IEEE Transactions on Computational Social Systems, 2015, 2, 159-170.	4.4	87
23	PTAS: Privacy-preserving Thin-client Authentication Scheme in blockchain-based PKI. Future Generation Computer Systems, 2019, 96, 185-195.	7.5	81
24	Privacy-Enhanced Federated Learning Against Poisoning Adversaries. IEEE Transactions on Information Forensics and Security, 2021, 16, 4574-4588.	6.9	81
25	Data Security Issues in Deep Learning: Attacks, Countermeasures, and Opportunities. IEEE Communications Magazine, 2019, 57, 116-122.	6.1	72
26	Achieving efficient and privacy-preserving truth discovery in crowd sensing systems. Computers and Security, 2017, 69, 114-126.	6.0	63
27	PROTECT: Efficient Password-Based Threshold Single-Sign-On Authentication for Mobile Users against Perpetual Leakage. IEEE Transactions on Mobile Computing, 2021, 20, 2297-2312.	5.8	59
28	Secure Online/Offline Data Sharing Framework for Cloud-Assisted Industrial Internet of Things. IEEE Internet of Things Journal, 2019, 6, 8681-8691.	8.7	57
29	CIPPPA: Conditional Identity Privacy-Preserving Public Auditing for Cloud-Based WBANs Against Malicious Auditors. IEEE Transactions on Cloud Computing, 2021, 9, 1362-1375.	4.4	56
30	Multi-authority Attribute-Based Keyword Search over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	5.4	55
31	Enabling verifiable multiple keywords search over encrypted cloud data. Information Sciences, 2018, 465, 21-37.	6.9	54
32	A Practical and Compatible Cryptographic Solution to ADS-B Security. IEEE Internet of Things Journal, 2019, 6, 3322-3334.	8.7	54
33	Hybrid Keyword-Field Search With Efficient Key Management for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2019, 15, 3206-3217.	11.3	53
34	Fair and Dynamic Data Sharing Framework in Cloud-Assisted Internet of Everything. IEEE Internet of Things Journal, 2019, 6, 7201-7212.	8.7	48
35	Poisoning and Evasion Attacks Against Deep Learning Algorithms in Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 4439-4449.	6.3	45
36	Verifiable Searchable Encryption Framework Against Insider Keyword-Guessing Attack in Cloud Storage. IEEE Transactions on Cloud Computing, 2022, 10, 835-848.	4.4	45

#	ARTICLE	IF	CITATIONS
37	Security and Privacy of Connected Vehicular Cloud Computing. IEEE Network, 2018, 32, 4-6.	6.9	40
38	Secure searchable public key encryption against insider keyword guessing attacks from indistinguishability obfuscation. Science China Information Sciences, 2018, 61, 1.	4.3	34
39	Optimized Verifiable Fine-Grained Keyword Search in Dynamic Multi-owner Settings. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	34
40	Adaptive privacy-preserving federated learning. Peer-to-Peer Networking and Applications, 2020, 13, 2356-2366.	3.9	34
41	Chronos+: An Accurate Blockchain-based Time-stamping Scheme for Cloud Storage. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	32
42	Privacy-Preserving Federated Deep Learning with Irregular Users. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	5.4	32
43	Achieving authorized and ranked multi-keyword search over encrypted cloud data. , 2015, , .		31
44	Verifiable Outsourcing Computation for Matrix Multiplication With Improved Efficiency and Applicability. IEEE Internet of Things Journal, 2018, 5, 5076-5088.	8.7	29
45	Secure and Efficient $k$ -NN Classification for Industrial Internet of Things. IEEE Internet of Things Journal, 2020, 7, 10945-10954.	8.7	29
46	Toward Secure and Privacy-Preserving Distributed Deep Learning in Fog-Cloud Computing. IEEE Internet of Things Journal, 2020, 7, 11460-11472.	8.7	28
47	Privacy-Preserving Efficient Verifiable Deep Packet Inspection for Cloud-Assisted Middlebox. IEEE Transactions on Cloud Computing, 2022, 10, 1052-1064.	4.4	26
48	EDR: An efficient demand response scheme for achieving forward secrecy in smart grid. , 2012, , .		25
49	Water-Filling Exact Solutions for Load Balancing of Smart Power Grid Systems. IEEE Transactions on Smart Grid, 2018, 9, 1397-1407.	9.0	25
50	PADL: Privacy-Aware and Asynchronous Deep Learning for IoT Applications. IEEE Internet of Things Journal, 2020, 7, 6955-6969.	8.7	25
51	Secure dynamic searchable symmetric encryption with constant document update cost. , 2014, , .		24
52	Noninvasive Fine-Grained Sleep Monitoring Leveraging Smartphones. IEEE Internet of Things Journal, 2019, 6, 8248-8261.	8.7	23
53	VPSL: Verifiable Privacy-Preserving Data Search for Cloud-Assisted Internet of Things. IEEE Transactions on Cloud Computing, 2022, 10, 2964-2976.	4.4	23
54	Privacy-Enhanced and Multifunctional Health Data Aggregation under Differential Privacy Guarantees. Sensors, 2016, 16, 1463.	3.8	21

#	ARTICLE	IF	CITATIONS
55	Privacy-aware and Resource-saving Collaborative Learning for Healthcare in Cloud Computing. , 2020, , .		21
56	Tor anonymous traffic identification based on gravitational clustering. Peer-to-Peer Networking and Applications, 2018, 11, 592-601.	3.9	20
57	Achieving Privacy-preserving Federated Learning with Irrelevant Updates over E-Health Applications. , 2020, , .		20
58	Achieving Multi-Authority Access Control with Efficient Attribute Revocation in smart grid. , 2014, , .		19
59	A Hybrid Machine Learning Model for Range Estimation of Electric Vehicles. , 2016, , .		19
60	Enabling Efficient and Secure Outsourcing of Large Matrix Multiplications. , 2015, , .		15
61	Efficient, Private and Robust Federated Learning. , 2021, , .		15
62	Threshold Multi-Keyword Search for Cloud-Based Group Data Sharing. IEEE Transactions on Cloud Computing, 2022, 10, 2146-2162.	4.4	14
63	DNA Similarity Search With Access Control Over Encrypted Cloud Data. IEEE Transactions on Cloud Computing, 2022, 10, 1233-1252.	4.4	14
64	Catch You If You Deceive Me: Verifiable and Privacy-Aware Truth Discovery in Crowdsensing Systems. , 2020, , .		14
65	Practical Membership Inference Attack Against Collaborative Inference in Industrial IoT. IEEE Transactions on Industrial Informatics, 2022, 18, 477-487.	11.3	14
66	Practical Privacy-Preserving Federated Learning in Vehicular Fog Computing. IEEE Transactions on Vehicular Technology, 2022, 71, 4692-4705.	6.3	13
67	Efficient e-health data release with consistency guarantee under differential privacy. , 2015, , .		12
68	Share Your Data Carefree: An Efficient, Scalable and Privacy-Preserving Data Sharing Service in Cloud Computing. IEEE Transactions on Cloud Computing, 2023, 11, 822-838.	4.4	11
69	Secure and Verifiable Inference in Deep Neural Networks. , 2020, , .		11
70	CryptMDB: A practical encrypted MongoDB over big data. , 2017, , .		10
71	Efficient and Secure kNN Classification over Encrypted Data Using Vector Homomorphic Encryption. , 2018, , .		10
72	DCD: Distributed charging and discharging scheme for EVs in microgrids. , 2014, , .		9

#	ARTICLE	IF	CITATIONS
73	PALDA: Efficient privacy-preserving authentication for lossless data aggregation in Smart Grids. , 2014, , .		9
74	Efficient Privacy-Preserving Federated Learning With Unreliable Users. IEEE Internet of Things Journal, 2022, 9, 11590-11603.	8.7	9
75	Achieving ranked range query in smart grid auction market. , 2014, , .		8
76	Enabling efficient publicly verifiable outsourcing computation for matrix multiplication. , 2015, , .		8
77	Achieving Adaptive Linkability for Cellular V2X Group Communications in 5G. , 2018, , .		8
78	Privacy-Preserving Reverse Nearest Neighbor Query Over Encrypted Spatial Data. IEEE Transactions on Services Computing, 2022, 15, 2954-2968.	4.6	8
79	SigRec: Automatic Recovery of Function Signatures in Smart Contracts. IEEE Transactions on Software Engineering, 2022, 48, 3066-3086.	5.6	8
80	Deniable-Based Privacy-Preserving Authentication Against Location Leakage in Edge Computing. IEEE Systems Journal, 2022, 16, 1729-1738.	4.6	8
81	Towards Efficient Privacy-Preserving Truth Discovery in Crowd Sensing Systems. , 2016, , .		7
82	Performance Analysis of Cloud Service Considering Reliability. , 2016, , .		7
83	Enabling Efficient and Fine-Grained DNA Similarity Search with Access Control over Encrypted Cloud Data. Lecture Notes in Computer Science, 2018, , 236-248.	1.3	7
84	Privacy-Preserving Ranked Spatial Keyword Query in Mobile Cloud-Assisted Fog Computing. IEEE Transactions on Mobile Computing, 2023, 22, 3604-3618.	5.8	7
85	Diverse multi-keyword ranked search over encrypted cloud data supporting range query. , 2015, , .		6
86	Guest Editorial Big Security Challenges in Big Data Era. IEEE Internet of Things Journal, 2017, 4, 521-523.	8.7	6
87	Enabling Secure and Versatile Packet Inspection With Probable Cause Privacy for Outsourced Middlebox. IEEE Transactions on Cloud Computing, 2022, 10, 2580-2594.	4.4	6
88	Proximity-Echo: Secure Two Factor Authentication Using Active Sound Sensing. , 2021, , .		6
89	Accurate Image-Based Pedestrian Detection With Privacy Preservation. IEEE Transactions on Vehicular Technology, 2020, 69, 14494-14509.	6.3	6
90	Privacy-preserving personalized search over encrypted cloud data supporting multi-keyword ranking. , 2014, , .		5

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91	Efficient privacy-preserving circular range search on outsourced spatial data. , 2016, , .		5
92	AEALV: Accurate and Efficient Aircraft Location Verification for ADS-B. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1399-1411.	7.9	5
93	Identity-Based Cryptography for Grid. , 2007, , .		4
94	Achieving efficient and privacy-preserving multi-feature search for mobile sensing. Computer Communications, 2015, 65, 35-42.	5.1	4
95	PIPC: Privacy- and Integrity-Preserving Clustering Analysis for Load Profiling in Smart Grids. IEEE Internet of Things Journal, 2022, 9, 10851-10861.	8.7	4
96	A Hierarchical Identity-Based Encryption for MANETs. , 2011, , .		3
97	Guest editorial: Security and privacy of P2P networks in emerging smart city. Peer-to-Peer Networking and Applications, 2015, 8, 1023-1024.	3.9	3
98	A Resource Optimization Algorithm of Cloud Data Center Based on Correlated Model of Reliability, Performance and Energy. , 2016, , .		3
99	Practical blacklist-based anonymous authentication scheme for mobile crowd sensing. Peer-to-Peer Networking and Applications, 2016, 9, 762-773.	3.9	3
100	Privacy-enhanced Deep Packet Inspection at Outsourced Middlebox. , 2018, , .		3
101	EPPS: Efficient Privacy-Preserving Scheme in Distributed Deep Learning. , 2019, , .		3
102	Security and privacy of machine learning assisted P2P networks. Peer-to-Peer Networking and Applications, 2020, 13, 2234-2236.	3.9	3
103	Towards Lightweight and Efficient Distributed Intrusion Detection Framework. , 2021, , .		3
104	Efficient and Privacy-Preserving Ad Conversion for V2X-Assisted Proximity Marketing. , 2018, , .		2
105	EFRS:Enabling Efficient and Fine-Grained Range Search on Encrypted Spatial Data. , 2018, , .		2
106	Multi-Keyword Search Guaranteeing Forward and Backward Privacy over Large-Scale Cloud Data. , 2019, , .		2
107	Guest Editorial Introduction to the Special Section on Blockchains in Emerging Vehicular Social Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5732-5735.	6.3	2
108	Enabling Simultaneous Content Regulation and Privacy Protection for Cloud Storage Image. IEEE Transactions on Cloud Computing, 2023, 11, 111-127.	4.4	2

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109	Time-Controlled Hierarchical Multikeyword Search Over Encrypted Data in Cloud-Assisted IoT. IEEE Internet of Things Journal, 2022, 9, 11017-11029.	8.7	2
110	Acoustic-Sensing-Based Location Semantics Identification Using Smartphones. IEEE Internet of Things Journal, 2022, 9, 20640-20650.	8.7	2
111	ESO: An efficient and secure outsourcing scheme for smart grid. , 2013, , .		1
112	PSS: Achieving high-efficiency and privacy-preserving similarity search in multiple clouds. , 2016, , .		1
113	An adaptive resource allocation model in anti-money laundering system. Peer-to-Peer Networking and Applications, 2017, 10, 315-331.	3.9	1
114	EPP-DMM: An Efficient and Privacy-Protected Delegation Scheme for Matrix Multiplication. , 2017, , .		1
115	Privacy-preserving HE-based clustering for load profiling over encrypted smart meter data. , 2020, , .		1
116	User Identification Leveraging Whispered Sound for Wearable Devices. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	1
117	Generating Audio Adversarial Examples with Ensemble Substituted Models. , 2021, , .		1
118	A Practical Black-Box Attack Against Autonomous Speech Recognition Model. , 2020, , .		1
119	Enabling Efficient and Secure Outsourcing of Large Matrix Multiplications. , 2014, , .		0
120	One radish, One hole: Specific adversarial training for enhancing neural network's robustness. Peer-to-Peer Networking and Applications, 2021, 14, 2262-2274.	3.9	0
121	Guest Editorial: Softwarized Networking for Next Generation Industrial Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 5506-5510.	11.3	0
122	Accelerating Poisoning Attack Through Momentum and Adam Algorithms. , 2020, , .		0
123	Stand-in Backdoor: A Stealthy and Powerful Backdoor Attack. , 2021, , .		0