

Huaqun Wang

List of Publications by Year in descending order

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90
papers

3,380
citations

147801

31
h-index

155660

55
g-index

90
all docs

90
docs citations

90
times ranked

2244
citing authors

#	ARTICLE	IF	CITATIONS
1	Identity-Based Distributed Provable Data Possession in Multicloud Storage. IEEE Transactions on Services Computing, 2015, 8, 328-340.	4.6	239
2	Proxy Provable Data Possession in Public Clouds. IEEE Transactions on Services Computing, 2013, 6, 551-559.	4.6	167
3	Identity-Based Proxy-Oriented Data Uploading and Remote Data Integrity Checking in Public Cloud. IEEE Transactions on Information Forensics and Security, 2016, 11, 1165-1176.	6.9	147
4	Privacy-Preserving Federated Learning in Fog Computing. IEEE Internet of Things Journal, 2020, 7, 10782-10793.	8.7	145
5	Cloud-Assisted EHR Sharing With Security and Privacy Preservation via Consortium Blockchain. IEEE Access, 2019, 7, 136704-136719.	4.2	138
6	Identity-based remote data possession checking in public clouds. IET Information Security, 2014, 8, 114-121.	1.7	137
7	An Efficient and Provably Secure Authenticated Key Agreement Protocol for Fog-Based Vehicular Ad-Hoc Networks. IEEE Internet of Things Journal, 2019, 6, 8065-8075.	8.7	132
8	Anonymous and secure aggregation scheme in fog-based public cloud computing. Future Generation Computer Systems, 2018, 78, 712-719.	7.5	127
9	Lightweight anonymous key distribution scheme for smart grid using elliptic curve cryptography. IET Communications, 2016, 10, 1795-1802.	2.2	107
10	Strong Key-Exposure Resilient Auditing for Secure Cloud Storage. IEEE Transactions on Information Forensics and Security, 2017, 12, 1931-1940.	6.9	104
11	A Provably-Secure Cross-Domain Handshake Scheme with Symptoms-Matching for Mobile Healthcare Social Network. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 633-645.	5.4	103
12	VFL: A Verifiable Federated Learning With Privacy-Preserving for Big Data in Industrial IoT. IEEE Transactions on Industrial Informatics, 2022, 18, 3316-3326.	11.3	86
13	Incentive and Unconditionally Anonymous Identity-Based Public Provable Data Possession. IEEE Transactions on Services Computing, 2019, 12, 824-835.	4.6	74
14	NPP: A New Privacy-Aware Public Auditing Scheme for Cloud Data Sharing with Group Users. IEEE Transactions on Big Data, 2022, 8, 14-24.	6.1	72
15	Certificateless Provable Data Possession Scheme for Cloud-Based Smart Grid Data Management Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1232-1241.	11.3	67
16	Anonymous biometrics-based authentication scheme with key distribution for mobile multi-server environment. Future Generation Computer Systems, 2018, 84, 239-251.	7.5	67
17	TTP: Traceable Privacy-Preserving Communication and Precise Reward for Vehicle-to-Grid Networks in Smart Grids. IEEE Transactions on Information Forensics and Security, 2015, 10, 2340-2351.	6.9	66
18	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

#	ARTICLE	IF	CITATIONS
19	BBARS: Blockchain-Based Anonymous Rewarding Scheme for V2G Networks. IEEE Internet of Things Journal, 2019, 6, 3676-3687.	8.7	58
20	Blockchain-Based Privacy-Preserving and Rewarding Private Data Sharing for IoT. IEEE Internet of Things Journal, 2022, 9, 15138-15149.	8.7	55
21	On the Knowledge Soundness of a Cooperative Provable Data Possession Scheme in Multicloud Storage. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 264-267.	5.6	49
22	Privacy-preserving certificateless provable data possession scheme for big data storage on cloud. Applied Mathematics and Computation, 2017, 314, 31-43.	2.2	49
23	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
24	Efficient certificateless anonymous multi-receiver encryption scheme for mobile devices. Soft Computing, 2017, 21, 6801-6810.	3.6	41
25	Provable Data Possession with Outsourced Data Transfer. IEEE Transactions on Services Computing, 2021, 14, 1929-1939.	4.6	41
26	SecureNLP: A System for Multi-Party Privacy-Preserving Natural Language Processing. IEEE Transactions on Information Forensics and Security, 2020, 15, 3709-3721.	6.9	41
27	FRR: Fair remote retrieval of outsourced private medical records in electronic health networks. Journal of Biomedical Informatics, 2014, 50, 226-233.	4.3	39
28	An anonymous data aggregation scheme for smart grid systems. Security and Communication Networks, 2014, 7, 602-610.	1.5	36
29	Two-Factor Data Access Control With Efficient Revocation for Multi-Authority Cloud Storage Systems. IEEE Access, 2017, 5, 393-405.	4.2	36
30	VOD-ADAC: Anonymous Distributed Fine-Grained Access Control Protocol with Verifiable Outsourced Decryption in Public Cloud. IEEE Transactions on Services Computing, 2020, 13, 572-583.	4.6	36
31	Multicopy provable data possession scheme supporting data dynamics for cloud-based Electronic Medical Record system. Information Sciences, 2021, 545, 254-276.	6.9	36
32	Insecurity of an identity-based public auditing protocol for the outsourced data in cloud storage. Information Sciences, 2017, 375, 48-53.	6.9	35
33	Designated-verifier proof of assets for bitcoin exchange using elliptic curve cryptography. Future Generation Computer Systems, 2020, 107, 854-862.	7.5	34
34	Identity-based non-repudiable dynamic provable data possession in cloud storage. Computers and Electrical Engineering, 2018, 69, 521-533.	4.8	31
35	Checking Only When It Is Necessary: Enabling Integrity Auditing Based on the Keyword With Sensitive Information Privacy for Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 3774-3789.	5.4	31
36	Privacy-Preserving and Distributed Algorithms for Modular Exponentiation in IoT With Edge Computing Assistance. IEEE Internet of Things Journal, 2020, 7, 8769-8779.	8.7	26

#	ARTICLE	IF	CITATIONS
37	Blockchain-Based Private Provable Data Possession. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	25
38	Fine-grained multi-authority access control in IoT-enabled mHealth. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 389-400.	2.5	24
39	Permissioned Blockchain-Based Anonymous and Traceable Aggregate Signature Scheme for Industrial Internet of Things. IEEE Internet of Things Journal, 2021, 8, 8387-8398.	8.7	23
40	Lightweight Collaborative Authentication With Key Protection for Smart Electronic Health Record System. IEEE Sensors Journal, 2020, 20, 2181-2196.	4.7	22
41	A Blockchain-Based Proxy Re-Encryption With Equality Test for Vehicular Communication Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 2048-2059.	6.4	22
42	Efficient Certificateless Multi-Copy Integrity Auditing Scheme Supporting Data Dynamics. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	5.4	22
43	A Blockchain-Assisted Privacy-Aware Authentication Scheme for Internet of Medical Things. IEEE Internet of Things Journal, 2022, 9, 21838-21850.	8.7	22
44	Optimized Charging Scheduling with Single Mobile Charger for Wireless Rechargeable Sensor Networks. Symmetry, 2017, 9, 285.	2.2	21
45	Blockchain-Based Anonymous Reporting Scheme With Anonymous Rewarding. IEEE Transactions on Engineering Management, 2020, 67, 1514-1524.	3.5	21
46	RDIC: A blockchain-based remote data integrity checking scheme for IoT in 5G networks. Journal of Parallel and Distributed Computing, 2021, 152, 1-10.	4.1	20
47	Synchronized Provable Data Possession Based on Blockchain for Digital Twin. IEEE Transactions on Information Forensics and Security, 2022, 17, 472-485.	6.9	20
48	Remote Data Integrity Checking and Sharing in Cloud-Based Health Internet of Things. IEICE Transactions on Information and Systems, 2016, E99.D, 1966-1973.	0.7	19
49	Lightweight Certificate-Based Public/Private Auditing Scheme Based on Bilinear Pairing for Cloud Storage. IEEE Access, 2020, 8, 2258-2271.	4.2	18
50	Efficient and Secure Outsourcing Scheme for RSA Decryption in Internet of Things. IEEE Internet of Things Journal, 2020, 7, 6868-6881.	8.7	18
51	An Efficient Privacy-Preserving Aggregation Scheme for Multidimensional Data in IoT. IEEE Internet of Things Journal, 2022, 9, 589-600.	8.7	18
52	Security and Privacy Challenges for Internet-of-Things and Fog Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-3.	1.2	17
53	RNN-DP: A new differential privacy scheme base on Recurrent Neural Network for Dynamic trajectory privacy protection. Journal of Network and Computer Applications, 2020, 168, 102736.	9.1	17
54	Application-Oriented Block Generation for Consortium Blockchain-Based IoT Systems With Dynamic Device Management. IEEE Internet of Things Journal, 2021, 8, 7874-7888.	8.7	17

#	ARTICLE	IF	CITATIONS
55	Integrated Blockchain and Cloud Computing Systems: A Systematic Survey, Solutions, and Challenges. ACM Computing Surveys, 2022, 54, 1-36.	23.0	16
56	Secure, Efficient, and Weighted Access Control for Cloud-Assisted Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 16917-16927.	8.7	15
57	Simultaneous authentication and secrecy in identity-based data upload to cloud. Cluster Computing, 2013, 16, 845-859.	5.0	14
58	An efficient blockchain-based batch verification scheme for vehicular ad hoc networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	14
59	A novel proxy-oriented public auditing scheme for cloud-based medical cyber physical systems. Journal of Information Security and Applications, 2020, 51, 102453.	2.5	14
60	Privacy-preserving incentive and rewarding scheme for crowd computing in social media. Information Sciences, 2019, 470, 15-27.	6.9	13
61	Decentralized Attribute-Based Server-Aid Signature in the Internet of Things. IEEE Internet of Things Journal, 2022, 9, 4573-4583.	8.7	13
62	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
63	Anonymous Data Sharing Scheme in Public Cloud and Its Application in E-Health Record. IEEE Access, 2018, 6, 27818-27826.	4.2	11
64	Blockchain-based multi-party proof of assets with privacy preservation. Information Sciences, 2021, 547, 609-621.	6.9	11
65	Fuzzy-Based Trustworthiness Evaluation Scheme for Privilege Management in Vehicular Ad Hoc Networks. IEEE Transactions on Fuzzy Systems, 2021, 29, 137-147.	9.8	10
66	Private Certificate-Based Remote Data Integrity Checking in Public Clouds. Lecture Notes in Computer Science, 2015, , 575-586.	1.3	8
67	A group key-policy attribute-based encryption with partial outsourcing decryption in wireless sensor networks. Security and Communication Networks, 2016, 9, 4138-4150.	1.5	8
68	A Novel Secure Scheme for Supporting Complex SQL Queries over Encrypted Databases in Cloud Computing. Security and Communication Networks, 2018, 2018, 1-15.	1.5	8
69	Toward Verifiable Phrase Search Over Encrypted Cloud-Based IoT Data. IEEE Internet of Things Journal, 2021, 8, 12902-12918.	8.7	8
70	Key Management Based on Elliptic Curve Paillier Scheme in Ad Hoc Networks. , 2007, , .		7
71	The Security of Blockchain-Based Medical Systems: Research Challenges and Opportunities. IEEE Systems Journal, 2022, 16, 5741-5752.	4.6	7
72	PAT: A precise reward scheme achieving anonymity and traceability for crowdcomputing in public clouds. Future Generation Computer Systems, 2018, 79, 262-270.	7.5	6

#	ARTICLE	IF	CITATIONS
73	White-Box Implementation of Shamir's Identity-Based Signature Scheme. IEEE Systems Journal, 2020, 14, 1820-1829.	4.6	6
74	Multi-party key generation protocol for the identity-based signature scheme in the IEEE P1363 standard for public key cryptography. IET Information Security, 2020, 14, 724-732.	1.7	6
75	A Keyword-Grouping Inverted Index Based Multi-Keyword Ranked Search Scheme Over Encrypted Cloud Data. IEEE Transactions on Sustainable Computing, 2022, 7, 561-578.	3.1	6
76	HO-HSC: Outsourced Online/Offline Hybrid Signcryption for Wireless Body Area Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2421-2433.	4.9	6
77	An Improved Binary Authentication Tree Algorithm for Vehicular Networks. , 2012, , .		5
78	Analysis and Improvements of Two Identity Based Anonymous Signcryption Schemes for Multiple Receivers. , 2012, , .		4
79	A New Identity Based Signcryption Scheme in the Standard Model. , 2012, , .		4
80	Anonymous multi-receiver remote data retrieval for pay-TV in public clouds. IET Information Security, 2015, 9, 108-118.	1.7	4
81	Balanced anonymity and traceability for outsourcing small-scale data linear aggregation in the smart grid. IET Information Security, 2017, 11, 131-138.	1.7	4
82	Cryptanalysis and Improvement of a Constant-Size Identity Based Ring Signature Scheme. , 2007, , .		3
83	On the Security of a Ticket-Based Anonymity System with Traceability Property in Wireless Mesh Networks. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 443-446.	5.4	2
84	Provably Secure Anonymous Multi-receiver Identity-Based Encryption with Shorter Ciphertext. , 2014, , .		2
85	Proxy Provable Data Possession with General Access Structure in Public Clouds. Lecture Notes in Computer Science, 2016, , 283-300.	1.3	2
86	A Distributed Access Control with Outsourced Computation in Fog Computing. Security and Communication Networks, 2019, 2019, 1-10.	1.5	2
87	An Anonymous Multireceiver with Online/Offline Identity-Based Encryption. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	1
88	Cryptanalysis and Improvement of Shacham-Waters Ring Signature Scheme. , 2008, , .		0
89	A Novel Signer-Admission Ring Signature Scheme from Bilinear Pairings. , 2009, , .		0
90	Privacy-Preserving Classification in Multiple clouds eHealthcare. IEEE Transactions on Services Computing, 2022, , 1-1.	4.6	0