

Hanlin Zhang

List of Publications by Year in descending order

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42
papers

2,694
citations

516215

16
h-index

395343

33
g-index

42
all docs

42
docs citations

42
times ranked

3291
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Internet of Things: Architecture, Enabling Technologies, Security and Privacy, and Applications. IEEE Internet of Things Journal, 2017, 4, 1125-1142.	5.5	1,938
2	Light-weight and privacy-preserving secure cloud auditing scheme for group users via the third party medium. Journal of Network and Computer Applications, 2017, 82, 56-64.	5.8	93
3	Towards Achieving Keyword Search over Dynamic Encrypted Cloud Data with Symmetric-Key Based Verification. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 490-504.	3.7	69
4	Enabling Efficient Verifiable Fuzzy Keyword Search Over Encrypted Data in Cloud Computing. IEEE Access, 2018, 6, 45725-45739.	2.6	44
5	Cloud Storage for Electronic Health Records Based on Secret Sharing With Verifiable Reconstruction Outsourcing. IEEE Access, 2018, 6, 40713-40722.	2.6	31
6	An Edge Computing Based Public Vehicle System for Smart Transportation. IEEE Transactions on Vehicular Technology, 2020, 69, 12635-12651.	3.9	31
7	Practical and Secure Outsourcing Algorithms for Solving Quadratic Congruences in Internet of Things. IEEE Internet of Things Journal, 2020, 7, 2968-2981.	5.5	30
8	Remote data possession checking with privacy-preserving authenticators for cloud storage. Future Generation Computer Systems, 2017, 76, 136-145.	4.9	29
9	Water quality assessment with hierarchical cluster analysis based on Mahalanobis distance. Environmental Monitoring and Assessment, 2017, 189, 335.	1.3	29
10	How to Securely Outsource Finding the Min-Cut of Undirected Edge-Weighted Graphs. IEEE Transactions on Information Forensics and Security, 2020, 15, 315-328.	4.5	27
11	Blockchain-based two-party fair contract signing scheme. Information Sciences, 2020, 535, 142-155.	4.0	27
12	Privacy-Preserving and Distributed Algorithms for Modular Exponentiation in IoT With Edge Computing Assistance. IEEE Internet of Things Journal, 2020, 7, 8769-8779.	5.5	26
13	Novel Secure Outsourcing of Modular Inversion for Arbitrary and Variable Modulus. IEEE Transactions on Services Computing, 2022, 15, 241-253.	3.2	23
14	On behavior-based detection of malware on Android platform. , 2013, , .		22
15	How to securely outsource the extended euclidean algorithm for large-scale polynomials over finite fields. Information Sciences, 2020, 512, 641-660.	4.0	22
16	On effectiveness of game theoretic modeling and analysis against cyber threats for avionic systems. , 2015, , .		21
17	Machine Learning on Cloud With Blockchain: A Secure, Verifiable and Fair Approach to Outsource the Linear Regression. IEEE Transactions on Network Science and Engineering, 2022, 9, 3956-3967.	4.1	21
18	Scheduling methods for unmanned aerial vehicle based delivery systems. , 2014, , .		19

#	ARTICLE	IF	CITATIONS
19	A cloud computing based system for cyber security management. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 29-45.	0.7	18
20	Efficient and Secure Outsourcing Scheme for RSA Decryption in Internet of Things. IEEE Internet of Things Journal, 2020, 7, 6868-6881.	5.5	18
21	Blockchain-Aided Privacy-Preserving Outsourcing Algorithms of Bilinear Pairings for Internet of Things Devices. IEEE Internet of Things Journal, 2021, 8, 15596-15607.	5.5	17
22	ScanMe mobile. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2016, 16, 36-49.	0.5	16
23	Practical and Secure Outsourcing Algorithms of Matrix Operations Based on a Novel Matrix Encryption Method. IEEE Access, 2019, 7, 53823-53838.	2.6	16
24	Secure Edge-Aided Computations for Social Internet-of-Things Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 76-87.	3.2	14
25	A novel multitype-users welfare equilibrium based real-time pricing in smart grid. Future Generation Computer Systems, 2020, 108, 145-160.	4.9	11
26	A streaming-based network monitoring and threat detection system. , 2016, , .		10
27	SPPS: A Search Pattern Privacy System for Approximate Shortest Distance Query of Encrypted Graphs in IIoT. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 136-150.	5.9	10
28	Enabling secure auditing and deduplicating data without owner-relationship exposure in cloud storage. Cluster Computing, 2018, 21, 1849-1863.	3.5	9
29	Secure Cloud-Aided Object Recognition on Hyperspectral Remote Sensing Images. IEEE Internet of Things Journal, 2021, 8, 3287-3299.	5.5	9
30	On effective data aggregation techniques in host-based intrusion detection in MANET. International Journal of Security and Networks, 2013, 8, 179.	0.1	8
31	An Energy Scheduling Strategy With Priority Within Islanded Microgrids. IEEE Access, 2019, 7, 135896-135908.	2.6	6
32	A study of malware detection on smart mobile devices. Proceedings of SPIE, 2013, , .	0.8	5
33	ScanMe mobile. , 2015, , .		5
34	On detection and visualization techniques for cyber security situation awareness. Proceedings of SPIE, 2013, , .	0.8	4
35	Secure Outsourcing Algorithm for Bilinear Pairings without Pre-Computation. , 2019, , .		4
36	Privacy-Preserving cloud-Aided broad learning system. Computers and Security, 2022, 112, 102503.	4.0	4

#	ARTICLE	IF	CITATIONS
37	A novel underfill-SOC based charging pricing for electric vehicles in smart grid. Sustainable Energy, Grids and Networks, 2021, 28, 100533.	2.3	3
38	On effective data aggregation techniques in Host-based Intrusion Detection in MANET. , 2013, , .		2
39	Towards an integrated defense system for cyber security situation awareness experiment. Proceedings of SPIE, 2015, , .	0.8	2
40	On resilience studies of system detection and recovery techniques against stealthy insider attacks. Proceedings of SPIE, 2016, , .	0.8	1
41	On effectiveness of network sensor-based defense framework. , 2012, , .		0
42	An Improved Outsourcing Algorithm to Solve Quadratic Congruence Equations in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 6790-6802.	5.5	0