

Jian Ren

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,271
citations

471509

17
h-index

454955

30
g-index

82
all docs

82
docs citations

82
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey on anonymous communications in computer networks. Computer Communications, 2010, 33, 420-431.	5.1	84
2	Defense Against Primary User Emulation Attacks in Cognitive Radio Networks Using Advanced Encryption Standard. IEEE Transactions on Information Forensics and Security, 2014, 9, 772-781.	6.9	78
3	Bitcoin and Blockchain: Security and Privacy. IEEE Internet of Things Journal, 2020, 7, 10288-10313.	8.7	77
4	Quantitative Measurement and Design of Source-Location Privacy Schemes for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1302-1311.	5.6	69
5	PassBio: Privacy-Preserving User-Centric Biometric Authentication. IEEE Transactions on Information Forensics and Security, 2018, 13, 3050-3063.	6.9	65
6	Enhanced privacy of a remote data integrity-checking protocol for secure cloud storage. International Journal of Information Security, 2015, 14, 307-318.	3.4	64
7	Source-Location Privacy through Dynamic Routing in Wireless Sensor Networks. , 2010, , .		55
8	Generalized Digital Certificate for User Authentication and Key Establishment for Secure Communications. IEEE Transactions on Wireless Communications, 2011, 10, 2372-2379.	9.2	53
9	Cost-Aware SEcure Routing (CASER) Protocol Design for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 960-973.	5.6	53
10	ExpSOS: Secure and Verifiable Outsourcing of Exponentiation Operations for Mobile Cloud Computing. IEEE Transactions on Information Forensics and Security, 2017, 12, 2518-2531.	6.9	44
11	Secure wireless monitoring and control systems for smart grid and smart home. IEEE Wireless Communications, 2012, 19, 66-73.	9.0	39
12	Towards Green IoT Networking: Performance Optimization of Network Coding Based Communication and Reliable Storage. IEEE Access, 2017, 5, 8780-8791.	4.2	36
13	Preserving Source-Location Privacy in Wireless Sensor Networks. , 2009, , .		35
14	Hop-by-Hop Message Authentication and Source Privacy in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1223-1232.	5.6	27
15	<i>d</i>-BAME: Distributed Blockchain-Based Anonymous Mobile Electronic Voting. IEEE Internet of Things Journal, 2021, 8, 16585-16597.	8.7	26
16	Design of Fully Deniable Authentication Service for E-mail Applications. IEEE Communications Letters, 2008, 12, 219-221.	4.1	25
17	P-MOD: Secure Privilege-Based Multilevel Organizational Data-Sharing in Cloud Computing. IEEE Transactions on Big Data, 2020, 6, 804-815.	6.1	25
18	Routing-based source-location privacy protection in wireless sensor networks. , 2009, , .		23

#	ARTICLE	IF	CITATIONS
19	Preserving Source-Location Privacy in Wireless Sensor Network Using STaR Routing. , 2010, , .		22
20	Cooperative sensing in cognitive networks under malicious attack. , 2011, , .		22
21	An energy efficient link-layer security protocol for wireless sensor networks. , 2007, , .		21
22	An Efficient Threshold Anonymous Authentication Scheme for Privacy-Preserving Communications. IEEE Transactions on Wireless Communications, 2013, 12, 1018-1025.	9.2	21
23	Dynamic Authentication Protocol Using Self-Powered Timers for Passive Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2927-2935.	8.7	19
24	Mitigating primary user emulation attacks in cognitive radio networks using advanced encryption standard. , 2013, , .		17
25	STaR: design and quantitative measurement of sourceâ€location privacy for wireless sensor networks. Security and Communication Networks, 2016, 9, 220-228.	1.5	15
26	Beyond the MDS bound in distributed cloud storage. , 2014, , .		14
27	A Novel Delay-Aware and Privacy-Preserving Data-Forwarding Scheme for Urban Sensing Network. IEEE Transactions on Vehicular Technology, 2016, 65, 2578-2588.	6.3	14
28	Resource Allocation with Load Balancing for Cognitive Radio Networks. , 2010, , .		13
29	Privacy Characterization and Quantification in Data Publishing. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1756-1769.	5.7	13
30	Secure OFDM System Design and Capacity Analysis Under Disguised Jamming. IEEE Transactions on Information Forensics and Security, 2020, 15, 738-752.	6.9	12
31	On the Structure of Hermitian Codes and Decoding for Burst Errors. IEEE Transactions on Information Theory, 2004, 50, 2850-2854.	2.4	11
32	A Spectrally Efficient Frequency Hopping System. , 2007, , .		9
33	Mixing Ring-Based Source-Location Privacy in Wireless Sensor Networks. , 2009, , .		9
34	Precoding for OFDM under disguised jamming. , 2014, , .		9
35	-MABE: Distributed Multilevel Attribute-Based EMR Management and Applications. IEEE Transactions on Services Computing, 2022, 15, 1592-1605.	4.6	9
36	Secure and Energy Aware Routing (SEAR) in Wireless Sensor Networks. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
37	Providing hop-by-hop authentication and source privacy in wireless sensor networks. , 2012, , .		8
38	Architecture design of mobile access coordinated wireless sensor networks. , 2013, , .		8
39	Anonymous and Coercion-Resistant Distributed Electronic Voting. , 2020, , .		8
40	Reliable OFDM system design under hostile multi-tone jamming. , 2012, , .		7
41	Throughput analysis and routing security discussions of mobile access coordinated wireless sensor networks. , 2014, , .		7
42	Spectrally Efficient Frequency Hopping System Design for Wireless Networks. , 2007, , .		6
43	An Efficient Error-Detection and Error-Correction (EDEC) Scheme for Network Coding. , 2011, , .		6
44	Time-Varying Jamming Modeling and Classification. IEEE Transactions on Signal Processing, 2012, 60, 3902-3907.	5.3	6
45	R-STaR destination-location privacy schemes in wireless sensor networks. , 2015, , .		6
46	Secure outsourcing of scalar multiplication on elliptic curves. , 2016, , .		6
47	Brain information processing capacity modeling. Scientific Reports, 2022, 12, 2174.	3.3	6
48	Efficient identity-based GQ multisignatures. International Journal of Information Security, 2009, 8, 205-210.	3.4	5
49	LinSOS: Secure outsourcing of linear computations based on affine mapping. , 2016, , .		5
50	Secure Fine-Grained Access Control of Mobile User Data through Untrusted Cloud. , 2016, , .		5
51	CASO: Cost-Aware Secure Outsourcing of General Computational Problems. IEEE Transactions on Services Computing, 2021, 14, 386-399.	4.6	5
52	Optimal Construction of Regenerating Code Through Rate-Matching in Hostile Networks. IEEE Transactions on Information Theory, 2017, 63, 4414-4429.	2.4	4
53	CDMA physical layer built-in security enhancement. , 2003, , .		3
54	A Power Efficient Link-Layer Security Protocol (LLSP) for Wireless Sensor Networks. , 0, , .		3

#	ARTICLE	IF	CITATIONS
55	Physical layer built-in security enhancement of DS-CDMA systems using secure block interleaving. , 2005, , .		3
56	Anonymous communications in overlay networks. , 2008, , .		3
57	Jamming Mitigation Techniques Based on Message-Driven Frequency Hopping. , 2009, , .		3
58	Beyond the MDS Bound in Distributed Cloud Storage. IEEE Transactions on Information Theory, 2020, 66, 3957-3975.	2.4	3
59	An identity-based single-sign-on scheme for computer networks. Security and Communication Networks, 2009, 2, 255-258.	1.5	2
60	Reliable Communications over Multihop Networks under Routing Attacks. , 2015, , .		2
61	Robust CDMA receiver design under disguised jamming. , 2016, , .		2
62	HPMAP: A Hash-Based Privacy-Preserving Mutual Authentication Protocol for Passive IoT Devices Using Self-Powered Timers. , 2018, , .		2
63	Blocking Probability Analysis for Relay-Assisted OFDMA Networks using Stochastic Geometry. , 2019, , .		2
64	Design of pseudo-random spreading sequences for CDMA systems. , 0, , .		1
65	A cryptographic watermarking technique for multimedia signals. Advances in Computational Mathematics, 2009, 31, 267-281.	1.6	1
66	Combining Source-Location Privacy and Routing Efficiency in Wireless Sensor Networks. , 2011, , .		1
67	Characterization of linear network coding for pollution detection. , 2012, , .		1
68	Reliable Communications over Multihop Networks under Routing Attacks. , 2014, , .		1
69	UBNB-PPDP: Utility-Boosting Negotiation-Based Privacy Preserving Data Publishing. , 2018, , .		1
70	Malicious Link Detection in Multi-Hop Wireless Sensor Networks. , 2019, , .		1
71	RealPRNet: A Real-Time Phoneme-Recognized Network for "Believable" Speech Animation. IEEE Internet of Things Journal, 2022, 9, 5357-5367.	8.7	1
72	A generalized framework - periodically scrambled CDMA. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	A Cryptographically Secure Image Watermarking Scheme. , 0, , .		0
74	Quantitative security and efficiency analysis of SEAR in wireless sensor networks. , 2012, , .		0
75	Combating network pollution attacks: A cascaded error-control coding approach. , 2013, , .		0
76	Hybrid mobile access coordinated wireless sensor networks — Design and analysis. , 2015, , .		0
77	Security and Privacy Enhancement for Outsourced Biometric Identification. , 2018, , .		0
78	Decoding Behavioral Accuracy in an Attention Task Using Brain fMRI Data. , 2018, , .		0
79	End-to-End Delay in Multi-Hop Wireless Networks With Random Relay Deployment. , 2018, , .		0
80	Feasible Region of Secure and Distributed Data Storage in Adversarial Networks. IEEE Internet of Things Journal, 2022, 9, 8980-8988.	8.7	0
81	Spectrally Efficient Frequency Hopping System Design for Wireless Networks. , 2007, , .		0