

# Yulong Shen

## List of Publications by Year in descending order

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107  
papers

1,592  
citations

430874

18  
h-index

361022

35  
g-index

107  
all docs

107  
docs citations

107  
times ranked

1566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Contract-Based Access Control for the Internet of Things. IEEE Internet of Things Journal, 2019, 6, 1594-1605.	8.7	465
2	On Secure Wireless Communications for IoT Under Eavesdropper Collusion. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1281-1293.	5.2	98
3	Physical Layer Authentication Jointly Utilizing Channel and Phase Noise in MIMO Systems. IEEE Transactions on Communications, 2020, 68, 2446-2458.	7.8	50
4	Mode Selection and Spectrum Partition for D2D Inband Communications: A Physical Layer Security Perspective. IEEE Transactions on Communications, 2019, 67, 623-638.	7.8	48
5	Lightweight Tag-Based PHY-Layer Authentication for IoT Devices in Smart Cities. IEEE Internet of Things Journal, 2020, 7, 3977-3990.	8.7	36
6	Incentive Jamming-Based Secure Routing in Decentralized Internet of Things. IEEE Internet of Things Journal, 2021, 8, 3000-3013.	8.7	34
7	Cutting Long-Tail Latency of Routing Response in Software Defined Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 384-396.	14.0	33
8	MtMR: Ensuring MapReduce Computation Integrity with Merkle Tree-Based Verifications. IEEE Transactions on Big Data, 2018, 4, 418-431.	6.1	33
9	On Secure Wireless Communications for Service Oriented Computing. IEEE Transactions on Services Computing, 2018, 11, 318-328.	4.6	29
10	A Hierarchical Sharding Protocol for Multi-Domain IoT Blockchains. , 2019, , .		29
11	Diamond Sketch: Accurate Per-flow Measurement for Big Streaming Data. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2650-2662.	5.6	27
12	Covert Rate Maximization in Wireless Full-Duplex Relaying Systems With Power Control. IEEE Transactions on Communications, 2021, 69, 6198-6212.	7.8	27
13	Secure Beamforming for Full-Duplex MIMO Two-Way Untrusted Relay Systems. IEEE Transactions on Information Forensics and Security, 2020, 15, 3775-3790.	6.9	25
14	QoS-Aware Secure Routing Design for Wireless Networks With Selfish Jammers. IEEE Transactions on Wireless Communications, 2021, 20, 4902-4916.	9.2	25
15	Transmission protocol for secure big data in two-hop wireless networks with cooperative jamming. Information Sciences, 2014, 281, 201-210.	6.9	22
16	DAG-SFC. , 2018, , .		22
17	Exploiting Channel Gain and Phase Noise for PHY-Layer Authentication in Massive MIMO Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 4265-4279.	6.9	21
18	xTSeH: A Trusted Platform Module Sharing Scheme Towards Smart IoT-eHealth Devices. IEEE Journal on Selected Areas in Communications, 2021, 39, 370-383.	14.0	21

#	ARTICLE	IF	CITATIONS
19	Security/QoS-aware route selection in multi-hop wireless ad hoc networks. , 2016, , .		20
20	SF-sketch: A Fast, Accurate, and Memory Efficient Data Structure to Store Frequencies of Data Items. , 2017, , .		20
21	Physical layer security-aware routing and performance tradeoffs in ad hoc networks. Computer Networks, 2017, 123, 77-87.	5.1	19
22	Performance, Fairness, and Tradeoff in UAV Swarm Underlaid mmWave Cellular Networks With Directional Antennas. IEEE Transactions on Wireless Communications, 2021, 20, 2383-2397.	9.2	18
23	Secure Millimeter-Wave Ad Hoc Communications Using Physical Layer Security. IEEE Transactions on Information Forensics and Security, 2022, 17, 99-114.	6.9	18
24	DeepAG: Attack Graph Construction and Threats Prediction With Bi-Directional Deep Learning. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 740-757.	5.4	16
25	A protocol-free detection against cloud oriented reflection DoS attacks. Soft Computing, 2017, 21, 3713-3721.	3.6	15
26	Limits of Covert Communication on Two-Hop AWGN Channels. , 2017, , .		15
27	Preserving Geo-Indistinguishability of the Primary User in Dynamic Spectrum Sharing. IEEE Transactions on Vehicular Technology, 2019, 68, 8881-8892.	6.3	15
28	Profit optimization in service-oriented data market: A Stackelberg game approach. Future Generation Computer Systems, 2019, 95, 17-25.	7.5	15
29	Link Selection for Security-QoS Tradeoffs in Buffer-Aided Relaying Networks. IEEE Transactions on Information Forensics and Security, 2020, 15, 1347-1362.	6.9	14
30	Optimizing Task Location Privacy in Mobile Crowdsensing Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2762-2772.	11.3	14
31	SF-Sketch: A Two-Stage Sketch for Data Streams. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2263-2276.	5.6	13
32	Energy-Efficient and Secure Communication Toward UAV Networks. IEEE Internet of Things Journal, 2022, 9, 10061-10076.	8.7	13
33	Towards Efficient Privacy-Preserving Auction Mechanism for Two-Sided Cloud Markets. , 2019, , .		12
34	Secure Communication in Non-Geostationary Orbit Satellite Systems: A Physical Layer Security Perspective. IEEE Access, 2019, 7, 3371-3382.	4.2	12
35	Privacy-Preserving Asynchronous Grouped Federated Learning for IoT. IEEE Internet of Things Journal, 2022, 9, 5511-5523.	8.7	12
36	Reversible data hiding using the dynamic block-partition strategy and pixel-value-ordering. Multimedia Tools and Applications, 2019, 78, 7927-7945.	3.9	11

#	ARTICLE	IF	CITATIONS
37	Strongly Secure and Efficient Range Queries in Cloud Databases under Multiple Keys. , 2019, , .		11
38	Mobile Semantic-Aware Trajectory for Personalized Location Privacy Preservation. IEEE Internet of Things Journal, 2021, 8, 16165-16180.	8.7	11
39	CryptSQLite: SQLite With High Data Security. IEEE Transactions on Computers, 2020, 69, 666-678.	3.4	10
40	A Lightweight Auction Framework for Spectrum Allocation with Strong Security Guarantees. , 2020, , .		10
41	CHChain: Secure and parallel crowdsourcing driven by hybrid blockchain. Future Generation Computer Systems, 2022, 131, 279-291.	7.5	10
42	Generalized Cooperative Multicast in Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2631-2643.	6.3	9
43	Minimizing Traffic Migration During Network Update in IaaS Datacenters. IEEE Transactions on Services Computing, 2019, 12, 577-589.	4.6	9
44	On covert throughput performance of two-way relay covert wireless communications. Wireless Networks, 2020, 26, 3275-3289.	3.0	9
45	Secure and Energy-Efficient Precoding for MIMO Two-Way Untrusted Relay Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 3371-3386.	6.9	9
46	Toward integrity assurance of outsourced computing " a game theoretic perspective. Future Generation Computer Systems, 2016, 55, 87-100.	7.5	8
47	Trustworthy service composition with secure data transmission in sensor networks. World Wide Web, 2018, 21, 185-200.	4.0	8
48	Optimal Mobile Crowdsensing Incentive Under Sensing Inaccuracy. IEEE Internet of Things Journal, 2021, 8, 8032-8043.	8.7	8
49	Throughput capacity of ALOHA MANETs. , 2013, , .		7
50	CFHider: Control Flow Obfuscation with Intel SGX. , 2019, , .		7
51	Visibility graph entropy based radiometric feature for physical layer identification. Ad Hoc Networks, 2022, 127, 102780.	5.5	7
52	Link Selection for Secure Two-Hop Transmissions in Buffer-Aided Relay Wireless Networks. , 2016, , .		6
53	Practical Verifiable Computation" A MapReduce Case Study. IEEE Transactions on Information Forensics and Security, 2018, 13, 1376-1391.	6.9	6
54	Information flow control on encrypted data for service composition among multiple clouds. Distributed and Parallel Databases, 2018, 36, 511-527.	1.6	6

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55	On delay performance study for cooperative multicast MANETs. <i>Ad Hoc Networks</i> , 2020, 102, 102117.	5.5	6
56	A Secure and Fair Double Auction Framework for Cloud Virtual Machines. <i>IEEE Access</i> , 2021, 9, 87982-87994.	4.2	6
57	Wireless Sensor Networks for the Internet of Things. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 717125.	2.2	6
58	A blockchain-driven data exchange model in multi-domain IoT with controllability and parallelity. <i>Future Generation Computer Systems</i> , 2022, 135, 85-94.	7.5	6
59	CryptSQLite: Protecting Data Confidentiality of SQLite with Intel SGX. , 2017, , .		5
60	Data Analytics for Fog Computing by Distributed Online Learning with Asynchronous Update. , 2019, , .		5
61	A Truthful Online Incentive Mechanism for Nondeterministic Spectrum Allocation. <i>IEEE Transactions on Wireless Communications</i> , 2020, 19, 4632-4642.	9.2	5
62	PRAM: A Practical Sybil-Proof Auction Mechanism for Dynamic Spectrum Access With Untruthful Attackers. <i>IEEE Transactions on Mobile Computing</i> , 2023, 22, 1143-1156.	5.8	5
63	On throughput capacity of large-scale ad hoc networks with realistic buffer constraint. <i>Wireless Networks</i> , 2017, 23, 193-204.	3.0	4
64	Multicast Delivery Delay in General Two-Hop Relay MANETs. , 2017, , .		4
65	Provoking the Adversary by Dual Detection Techniques: A Game Theoretical Framework. , 2017, , .		4
66	Provoking the Adversary by Detecting Eavesdropping and Jamming Attacks: A Game-Theoretical Framework. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-14.	1.2	4
67	Bias Based General Framework for Delay Reduction in Backpressure Routing Algorithm. , 2018, , .		4
68	AClog: Attack Chain Construction Based on Log Correlation. , 2019, , .		4
69	An incentive mechanism with bid privacy protection on multi-bid crowdsourced spectrum sensing. <i>World Wide Web</i> , 2020, 23, 1035-1055.	4.0	4
70	Mobility-Aware Privacy-Preserving Mobile Crowdsourcing. <i>Sensors</i> , 2021, 21, 2474.	3.8	4
71	Physical layer authentication in MIMO systems: a carrier frequency offset approach. <i>Wireless Networks</i> , 2022, 28, 1909-1921.	3.0	4
72	Secure Beamforming for Full-Duplex MIMO Two-Way Communication via Untrusted Relaying. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
73	Friendship-based cooperative jamming for secure communication in Poisson networks. <i>Wireless Networks</i> , 2019, 25, 4077-4095.	3.0	3
74	Application of Differential Evolution Algorithm Based on Mixed Penalty Function Screening Criterion in Imbalanced Data Integration Classification. <i>Mathematics</i> , 2019, 7, 1237.	2.2	3
75	Mobility-Aware Differentially Private Trajectory for Privacy-Preserving Continual Crowdsourcing. <i>IEEE Access</i> , 2021, 9, 26362-26376.	4.2	3
76	On the Secrecy Capacity of Covert Communication in Full-duplex Relay System. , 2020, , .		3
77	Passive User Authentication Utilizing Behavioral Biometrics for IIoT Systems. <i>IEEE Internet of Things Journal</i> , 2022, 9, 12783-12798.	8.7	3
78	Eavesdropper tolerance capability study in two-hop cooperative wireless networks. , 2013, , .		2
79	Capacity and delay-throughput tradeoff in ICMNs with Poisson contact process. <i>Wireless Networks</i> , 2015, 21, 2453-2466.	3.0	2
80	Distributed Secure Service Composition with Declassification in Mobile Network. , 2016, , .		2
81	Provoking the Adversary by Dual Detection Techniques: An Extended Stochastic Game Theoretical Framework. , 2018, , .		2
82	Cooperative Jamming Strategy Based on Community Detection for Two-Hop Communication Networks. , 2019, , .		2
83	Cloud Computing Task Scheduling Based on Improved Differential Evolution Algorithm. , 2019, , .		2
84	Buffer Space Management in Intermittently Connected Internet of Things: Sharing or Allocation?. <i>IEEE Internet of Things Journal</i> , 2022, 9, 10961-10977.	8.7	2
85	HGRP: Hybrid Grid Routing Protocol for Heterogeneous Hierarchical Wireless Networks. , 2011, , .		1
86	MS2HM: A Multimedia Service Session Handoff Method between Heterogeneous Wireless Networks. , 2011, , .		1
87	Modeling the success transmission rate in Aloha MANETs with Binomial point process. , 2015, , .		1
88	Cooperative Secrecy to Resist Authentication Error in Two-Hop Wireless Networks. <i>Chinese Journal of Electronics</i> , 2016, 25, 746-752.	1.5	1
89	D2D Communication for Disaster Recovery in Cellular Networks. , 2017, , .		1
90	Distributed Information Flow Verification on Encrypted Data for Service Composition in Multiple Clouds. , 2017, , .		1

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91	Log-based Anomalies Detection of MANETs Routing with Reasoning and Verification. , 2018, , .		1
92	Anomalies Detection and Proactive Defence of Routers Based on Multiple Information Learning. Entropy, 2019, 21, 734.	2.2	1
93	Collaborative online ranking algorithms for multitask learning. Knowledge and Information Systems, 2020, 62, 2327-2348.	3.2	1
94	FO-Sketch: A Fast Oblivious Sketch for Secure Network Measurement Service in the Cloud. Electronics (Switzerland), 2021, 10, 2020.	3.1	1
95	Covert Outage Analysis for Random Wireless Networks Under Warden Collusion. , 2020, , .		1
96	Jamming and Link Selection for Joint Secrecy/Delay Guarantees in Buffer-Aided Relay System. IEEE Transactions on Communications, 2022, 70, 5451-5468.	7.8	1
97	Multicast Delivery Probability of MANETs with Limited Packet Redundancy. , 2016, , .		0
98	Exact Secrecy Throughput of MANETs with Guard Zone. , 2016, , .		0
99	Improving Database Storage Usability with the Cloud-Based Architecture. , 2017, , .		0
100	Secure Transmission with Limited Feedback in MISOME Wiretap Channels. , 2017, , .		0
101	Anomalies Detection of Routers Based on Multiple Information Learning. , 2018, , .		0
102	Towards Flexible and Truthful Incentive for Multichannel Allocation in DSA. IEEE Transactions on Vehicular Technology, 2021, 70, 4646-4656.	6.3	0
103	Decentralized Online Learning With Compressed Communication for Near-Sensor Data Analytics. IEEE Communications Letters, 2021, 25, 2958-2962.	4.1	0
104	Secrecy transmission capacity in mobile ad hoc networks with security-aware Aloha protocol. IET Communications, 2020, 14, 4135-4141.	2.2	0
105	CFHider: Protecting Control Flow Confidentiality with Intel SGX. IEEE Transactions on Computers, 2021, , 1-1.	3.4	0
106	Enhancing Leakage Prevention for MapReduce. IEEE Transactions on Information Forensics and Security, 2022, , 1-1.	6.9	0
107	Online machine learning-based physical layer authentication for MmWave MIMO systems. Ad Hoc Networks, 2022, 131, 102864.	5.5	0