

Yulong Zou

List of Publications by Year in descending order

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111
papers

6,520
citations

94433

37
h-index

66911

78
g-index

111
all docs

111
docs citations

111
times ranked

4760
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Wireless Security: Technical Challenges, Recent Advances, and Future Trends. Proceedings of the IEEE, 2016, 104, 1727-1765.	21.3	958
2	Optimal Relay Selection for Physical-Layer Security in Cooperative Wireless Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 2099-2111.	14.0	482
3	An Adaptive Cooperation Diversity Scheme With Best-Relay Selection in Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2010, 58, 5438-5445.	5.3	369
4	Improving physical-layer security in wireless communications using diversity techniques. IEEE Network, 2015, 29, 42-48.	6.9	241
5	Relay-Selection Improves the Security-Reliability Trade-Off in Cognitive Radio Systems. IEEE Transactions on Communications, 2015, 63, 215-228.	7.8	233
6	Deep Reinforcement Learning for Smart Home Energy Management. IEEE Internet of Things Journal, 2020, 7, 2751-2762.	8.7	228
7	Cooperative relay techniques for cognitive radio systems: Spectrum sensing and secondary user transmissions. IEEE Communications Magazine, 2012, 50, 98-103.	6.1	224
8	Security Versus Reliability Analysis of Opportunistic Relaying. IEEE Transactions on Vehicular Technology, 2014, 63, 2653-2661.	6.3	193
9	Byzantine Attack and Defense in Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1342-1363.	39.4	183
10	Physical-Layer Security with Multiuser Scheduling in Cognitive Radio Networks. IEEE Transactions on Communications, 2013, 61, 5103-5113.	7.8	176
11	Joint Relay and Jammer Selection Improves the Physical Layer Security in the Face of CSI Feedback Delays. IEEE Transactions on Vehicular Technology, 2016, 65, 6259-6274.	6.3	155
12	Securing physical-layer communications for cognitive radio networks. , 2015, 53, 48-54.		142
13	Secrecy Outage and Diversity Analysis of Cognitive Radio Systems. IEEE Journal on Selected Areas in Communications, 2014, 32, 2222-2236.	14.0	141
14	Spectrum Inference in Cognitive Radio Networks: Algorithms and Applications. IEEE Communications Surveys and Tutorials, 2018, 20, 150-182.	39.4	138
15	Secrecy Outage Performance of Transmit Antenna Selection for MIMO Underlay Cognitive Radio Systems Over Nakagami- m Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 2237-2250.	6.3	120
16	Robust Spectrum Sensing With Crowd Sensors. IEEE Transactions on Communications, 2014, 62, 3129-3143.	7.8	117
17	On the limits of predictability in real-world radio spectrum state dynamics: from entropy theory to 5G spectrum sharing. , 2015, 53, 178-183.		112
18	Cognitive Transmissions with Multiple Relays in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 648-659.	9.2	103

#	ARTICLE	IF	CITATIONS
19	Online Energy Management for a Sustainable Smart Home With an HVAC Load and Random Occupancy. IEEE Transactions on Smart Grid, 2019, 10, 1646-1659.	9.0	102
20	Physical-Layer Security for Spectrum Sharing Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1319-1329.	9.2	99
21	Intercept Behavior Analysis of Industrial Wireless Sensor Networks in the Presence of Eavesdropping Attack. IEEE Transactions on Industrial Informatics, 2016, 12, 780-787.	11.3	91
22	On Secrecy Performance of Antenna-Selection-Aided MIMO Systems Against Eavesdropping. IEEE Transactions on Vehicular Technology, 2016, 65, 214-225.	6.3	91
23	Distributed Real-Time Energy Management in Data Center Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 3748-3762.	9.0	88
24	Physical-Layer Security and Reliability Challenges for Industrial Wireless Sensor Networks. IEEE Access, 2017, , 1-1.	4.2	74
25	NOMA-Assisted Secure Short-Packet Communications in IoT. IEEE Wireless Communications, 2020, 27, 8-15.	9.0	74
26	Cognitive Network Cooperation for Green Cellular Networks. IEEE Access, 2016, 4, 849-857.	4.2	66
27	Opportunistic Distributed Space-Time Coding for Decode-and-Forward Cooperation Systems. IEEE Transactions on Signal Processing, 2012, 60, 1766-1781.	5.3	55
28	Energy-Aware Multiuser Scheduling for Physical-Layer Security in Energy-Harvesting Underlay Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 2084-2096.	6.3	54
29	Security-Reliability Tradeoff Analysis of Artificial Noise Aided Two-Way Opportunistic Relay Selection. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	50
30	Distributed Real-Time HVAC Control for Cost-Efficient Commercial Buildings Under Smart Grid Environment. IEEE Internet of Things Journal, 2018, 5, 44-55.	8.7	48
31	Relay selection for wireless communications against eavesdropping: a security-reliability trade-off perspective. IEEE Network, 2016, 30, 74-79.	6.9	45
32	Energy Optimization of HVAC Systems in Commercial Buildings Considering Indoor Air Quality Management. IEEE Transactions on Smart Grid, 2019, 10, 5103-5113.	9.0	45
33	Security-Reliability Tradeoff Analysis of Multirelay-Aided Decode-and-Forward Cooperation Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 5825-5831.	6.3	44
34	A Cooperative Sensing Based Cognitive Relay Transmission Scheme Without a Dedicated Sensing Relay Channel in Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2011, 59, 854-858.	5.3	42
35	Joint Energy Management Strategy for Geo-Distributed Data Centers and Electric Vehicles in Smart Grid Environment. IEEE Transactions on Smart Grid, 2016, 7, 2378-2392.	9.0	42
36	Power-Constrained Secrecy Rate Maximization for Joint Relay and Jammer Selection Assisted Wireless Networks. IEEE Transactions on Communications, 2017, 65, 2180-2193.	7.8	42

#	ARTICLE	IF	CITATIONS
37	Three-Stage Stackelberg Game for Defending Against Full-Duplex Active Eavesdropping Attacks in Cooperative Communication. IEEE Transactions on Vehicular Technology, 2018, 67, 10788-10799.	6.3	42
38	Secrecy Energy Efficiency Maximization in Cognitive Radio Networks. IEEE Access, 2017, 5, 2641-2650.	4.2	39
39	Fog-Assisted Operational Cost Reduction for Cloud Data Centers. IEEE Access, 2017, 5, 13578-13586.	4.2	38
40	Power-Time Splitting-Based Non-Linear Energy Harvesting in FD Short-Packet Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 9146-9151.	6.3	37
41	Real-Time Energy Management for Cloud Data Centers in Smart Microgrids. IEEE Access, 2016, 4, 941-950.	4.2	36
42	The Security-Reliability Tradeoff of Multiuser Scheduling-Aided Energy Harvesting Cognitive Radio Networks. IEEE Transactions on Communications, 2019, 67, 3890-3904.	7.8	36
43	Distributed Online Energy Management for Data Centers and Electric Vehicles in Smart Grid. IEEE Internet of Things Journal, 2016, 3, 1373-1384.	8.7	35
44	Secrecy Energy Efficiency Optimization for Artificial Noise Aided Physical-Layer Security in OFDM-Based Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 11858-11872.	6.3	34
45	Joint Power and Bandwidth Allocation for Energy-Efficient Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6168-6178.	7.8	34
46	Secure Transmission in HARQ-Assisted Non-Orthogonal Multiple Access Networks. IEEE Transactions on Information Forensics and Security, 2020, 15, 2171-2182.	6.9	33
47	Relay Selection for Improving Physical-Layer Security in Hybrid Satellite-Terrestrial Relay Networks. IEEE Access, 2018, 6, 65275-65285.	4.2	32
48	Secrecy Outage Probability Analysis of Friendly Jammer Selection Aided Multiuser Scheduling for Wireless Networks. IEEE Transactions on Communications, 2019, 67, 3482-3495.	7.8	32
49	Energy-Aware Relay Selection Improves Security-Reliability Tradeoff in Energy Harvesting Cooperative Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 5115-5128.	6.3	32
50	Joint Cooperative Beamforming and Jamming for Physical-Layer Security of Decode-and-Forward Relay Networks. IEEE Access, 2017, 5, 19620-19630.	4.2	29
51	Price-Sensitivity Aware Load Balancing for Geographically Distributed Internet Data Centers in Smart Grid Environment. IEEE Transactions on Cloud Computing, 2018, 6, 1125-1135.	4.4	29
52	Intelligent Interference Exploitation for Heterogeneous Cellular Networks Against Eavesdropping. IEEE Journal on Selected Areas in Communications, 2018, 36, 1453-1464.	14.0	29
53	Joint Power Splitting and Relay Selection in Energy-Harvesting Communications for IoT Networks. IEEE Internet of Things Journal, 2020, 7, 584-597.	8.7	28
54	An opportunistic cooperation scheme and its BER analysis. IEEE Transactions on Wireless Communications, 2009, 8, 4492-4497.	9.2	25

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55	Diversity-Multiplexing Tradeoff in Selective Cooperation for Cognitive Radio. IEEE Transactions on Communications, 2012, 60, 2467-2481.	7.8	25
56	Security-Reliability Tradeoff for Distributed Antenna Systems in Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 8444-8456.	9.2	23
57	Distributed Energy Optimization for HVAC Systems in University Campus Buildings. IEEE Access, 2018, 6, 59141-59151.	4.2	23
58	Improving Physical Layer Security in IRS-Aided WPCN Multicast Systems via Stackelberg Game. IEEE Transactions on Communications, 2022, 70, 1957-1970.	7.8	23
59	Impact of Hardware Impairments on Outage Performance of Hybrid Satellite-Terrestrial Relay Systems. IEEE Access, 2019, 7, 35103-35112.	4.2	20
60	Spectrum sensing and data transmission tradeoff in cognitive radio networks. , 2010, , .		18
61	Guest Editorial Spectrum Sharing and Aggregation for Future Wireless Networks, Part III. IEEE Journal on Selected Areas in Communications, 2017, 35, 1-5.	14.0	18
62	Opportunistic Relaying Against Eavesdropping for Internet-of-Things: A Security-Reliability Tradeoff Perspective. IEEE Internet of Things Journal, 2019, 6, 8727-8738.	8.7	18
63	Deep Learning Aided Spectrum Prediction for Satellite Communication Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 16314-16319.	6.3	16
64	Joint spectrum sensing and transmit power adaptation in interference-aware cognitive radio networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 231-238.	3.9	15
65	Closed-Form Secrecy Outage Analysis of Cellular Downlink Systems in the Presence of Co-Channel Interference. IEEE Transactions on Wireless Communications, 2018, 17, 4721-4734.	9.2	15
66	Impact of Hardware Impairment and Co-Channel Interference on Security-Reliability Trade-Off for Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2021, 20, 7011-7025.	9.2	15
67	Cognitive transmission and performance analysis for Amplify-and-Forward two-way relay networks. , 2014, , .		14
68	Large System Analysis of Heterogeneous Cellular Networks With Interference Alignment. IEEE Access, 2018, 6, 8148-8160.	4.2	14
69	Physical Layer Security Enhancement Using Artificial Noise in Cellular Vehicle-to-Everything (C-V2X) Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15253-15268.	6.3	14
70	Secure transmission over the wiretap channel using polar codes and artificial noise. IET Communications, 2017, 11, 377-384.	2.2	13
71	Relay selection for secrecy improvement in cognitive amplify-and-forward relay networks against multiple eavesdroppers. IET Communications, 2016, 10, 2043-2053.	2.2	10
72	The Precoding Scheme Based on Domain Selective Interference Cancellation in 3-D Massive MIMO. IEEE Communications Letters, 2018, 22, 1228-1231.	4.1	10

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73	Secure Beamforming for Cooperative Wireless-Powered Networks With Partial CSI. IEEE Internet of Things Journal, 2019, 6, 6760-6773.	8.7	10
74	Cooperative Drone Communications for Space-Air-Ground Integrated Networks. IEEE Network, 2021, 35, 100-106.	6.9	9
75	Power Allocation for Intelligent Interference Exploitation Aided Physical-Layer Security in OFDM-Based Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3021-3033.	6.3	8
76	Intercept probability analysis of relay selection for wireless communications in the presence of multiple eavesdroppers. , 2016, , .		7
77	Secrecy Versus Computation Overhead for Wireless Networks in the Face of Co-Channel Interference. IEEE Transactions on Communications, 2019, 67, 2306-2320.	7.8	7
78	Beamforming Aided Secrecy Energy Efficiency Maximization in Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 2576-2589.	6.3	7
79	Intelligent Jamming Strategies for Secure Spectrum Sharing Systems. IEEE Transactions on Communications, 2022, 70, 1153-1167.	7.8	7
80	Improving secrecy for multi-relay multi-eavesdropper wireless systems through relay selection. Transactions on Emerging Telecommunications Technologies, 2016, 27, 982-991.	3.9	6
81	Joint Optimization of Power Splitting and Beamforming in Energy Harvesting Cooperative Networks. IEEE Transactions on Communications, 2019, 67, 8247-8257.	7.8	6
82	An HARQ Assisted Cognitive NOMA Scheme for Secure Transmission With Imperfect SIC. IEEE Transactions on Communications, 2021, 69, 1930-1946.	7.8	6
83	A Stackelberg Game Approach for IRS-Aided WPCN Multicast Systems. IEEE Transactions on Wireless Communications, 2022, 21, 3249-3262.	9.2	6
84	Secrecy Outage Analysis of Relay-User Pairing for Secure Hybrid Satellite-Terrestrial Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 8906-8918.	6.3	6
85	MIMO AF relaying security: Robust transceiver design in the presence of multiple eavesdroppers. , 2015, , .		5
86	Joint Secure AF Relaying and Artificial Noise Optimization: A Penalized Difference-of-Convex Programming Framework. IEEE Access, 2016, 4, 10076-10095.	4.2	5
87	Secrecy Outage Analysis of Non-Orthogonal Spectrum Sharing for Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6626-6640.	7.8	5
88	Security-Reliability Tradeoff for Friendly Jammer Aided Multiuser Scheduling in Energy Harvesting Communications. Security and Communication Networks, 2021, 2021, 1-16.	1.5	5
89	Security and reliability tradeoff analysis of joint user and jammer selection in the face of co-channel interference. IET Communications, 2019, 13, 2601-2608.	2.2	5
90	Can We Improve the Information Freshness With Prediction for Cognitive IoT?. IEEE Internet of Things Journal, 2022, 9, 17577-17591.	8.7	5

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91	Energy-Efficient Defensive Strategy Against Hybrid SSDF/Eavesdropping Attacks Over Nakagami- m Channels. IEEE Communications Letters, 2018, 22, 856-859.	4.1	4
92	3D Location Optimization for UAV-Aided Uplink/Downlink Transmissions. IEEE Transactions on Vehicular Technology, 2022, 71, 4477-4482.	6.3	4
93	Online energy management for data centers and electric vehicles in smart grid environment. , 2016, , .		3
94	Radio Resource Allocation Scheme for Drone-Assisted AR Applications. , 2018, , .		3
95	Precoding Design and Optimization for Multi-Antenna Systems With Limited Feedback. IEEE Transactions on Vehicular Technology, 2020, 69, 7306-7316.	6.3	3
96	Throughput Optimization in Adaptive Transmit Antenna Selection Systems With Limited Feedback. IEEE Systems Journal, 2022, 16, 6445-6456.	4.6	3
97	An Efficient OFDM with Adaptive Guard Interval for Amplify and Forward Relay Systems. , 2013, , .		2
98	Relay selection for enhancing wireless security-reliability tradeoff in the presence of channel estimation errors. , 2016, , .		2
99	Online Temperature Control of a Residential Building in Smart Grid Environment. , 2017, , .		2
100	Secrecy Outage Analysis for Distributed Antenna Systems in Heterogeneous Cellular Networks. IEEE Access, 2018, 6, 28825-28837.	4.2	2
101	Feature-oriented channel estimation in reconfigurable intelligent surface-assisted wireless communication systems. IET Communications, 2020, 14, 3458-3463.	2.2	2
102	Secrecy performance of transmit antenna selection for underlay MIMO cognitive radio relay networks with energy harvesting. IET Communications, 0, , .	2.2	2
103	A Cooperative Spectrum Sensing Scheme without Dedicated Reporting Channels: Interference Impact on Primary Users. , 2011, , .		1
104	Uplink channel estimation with basis expansion model and expectation maximization for wireless communication systems on high speed railways. , 2017, , .		1
105	Guest Editorial Spectrum Sharing and Aggregation for Future Wireless Networks, Part II. IEEE Journal on Selected Areas in Communications, 2016, 34, 2809-2813.	14.0	0
106	Guest Editorial Spectrum Sharing and Aggregation for Future Wireless Networks, Part I. IEEE Journal on Selected Areas in Communications, 2016, 34, 2533-2536.	14.0	0
107	Corrections to "Secrecy Outage Analysis for Distributed Antenna Systems in Heterogeneous Cellular Networks": IEEE Access, 2019, 7, 1376-1378.	4.2	0
108	Intelligent Interference Prediction and Interference Avoidance in Drone Green Communications. , 2019, , .		0

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109	Secrecy Outage and Diversity Analysis of Multiple Cooperating Source-Destination Pairs. IEEE Transactions on Vehicular Technology, 2020, 69, 7648-7662.	6.3	0
110	Average Peak Age of Information in the Cognitive IoT Systems with Prediction. , 2021, , .		0
111	Secrecy Throughput Optimization and Precoding Design in Adaptive Transmit Antenna Selection Systems with Limited Feedback. IEEE Transactions on Vehicular Technology, 2022, , 1-10.	6.3	0