

# Yuzhen Huang

## List of Publications by Year in descending order

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109  
papers

1,814  
citations

236833

25  
h-index

315616

38  
g-index

109  
all docs

109  
docs citations

109  
times ranked

1442  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Approach of 2-D DOA Estimation by Employing Coprime Linear Array Motion. IEEE Communications Letters, 2022, 26, 69-73.	2.5	1
2	A 2-D DOA Estimation Method With Reduced Complexity in Unfolded Coprime L-Shaped Array. IEEE Systems Journal, 2021, 15, 407-410.	2.9	17
3	Energy-Efficient Covert Communications for Bistatic Backscatter Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 2906-2911.	3.9	30
4	Resource Management for Computation Offloading in D2D-Aided Wireless Powered Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2021, 8, 8005-8020.	5.5	25
5	Cache- and Energy Harvesting-Enabled D2D Cellular Network: Modeling, Analysis and Optimization. IEEE Transactions on Green Communications and Networking, 2021, 5, 703-713.	3.5	15
6	Analysis of D2D-Aided Underlying Uplink Cellular Networks Using Poisson Hole Process. IEEE Access, 2021, 9, 12521-12532.	2.6	1
7	Adaptive Relay Selection Strategies for Cooperative NOMA Networks With User and Relay Cooperation. IEEE Transactions on Vehicular Technology, 2020, 69, 11728-11742.	3.9	18
8	Physical Layer Security for Multiuser Satellite Communication Systems With Threshold-Based Scheduling Scheme. IEEE Transactions on Vehicular Technology, 2020, 69, 5129-5141.	3.9	64
9	Neural Network-Based Relay Selection in Two-Way SWIPT-Enabled Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 6264-6274.	3.9	37
10	DOA Estimation Method Based on Cascaded Neural Network for Two Closely Spaced Sources. IEEE Signal Processing Letters, 2020, 27, 570-574.	2.1	35
11	Energy-Constrained SWIPT Networks: Enhancing Physical Layer Security With FD Self-Jamming. IEEE Transactions on Information Forensics and Security, 2019, 14, 212-222.	4.5	20
12	Physical Layer Security of Multiuser Satellite Communication Systems With Channel Estimation Error and Multiple Eavesdroppers. IEEE Access, 2019, 7, 96253-96262.	2.6	16
13	Outage Analysis of Non-Orthogonal Multiple Access-Based Integrated Satellite-Terrestrial Relay Networks With Hardware Impairments. IEEE Access, 2019, 7, 141258-141267.	2.6	28
14	Improving the Security and Spectrum Efficiency in Overlay Cognitive Full-Duplex Wireless Networks. IEEE Access, 2019, 7, 68359-68372.	2.6	12
15	On the Performance of the Uplink Satellite Multiterrestrial Relay Networks With Hardware Impairments and Interference. IEEE Systems Journal, 2019, 13, 2297-2308.	2.9	76
16	Physical Layer Security of WPCNs With Imperfect CSI and Full-Duplex Receiver Aided Jamming. IEEE Access, 2019, 7, 55318-55328.	2.6	4
17	Game-Theoretic Learning Approaches for Secure D2D Communications Against Full-Duplex Active Eavesdropper. IEEE Access, 2019, 7, 41324-41335.	2.6	16
18	The Security of Cognitive Multiuser Networks Over Space-and-Time Correlated Channels. IEEE Systems Journal, 2019, 13, 2806-2817.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Secrecy and Efficiency in Overlay Cognitive Full-duplex Wireless Networks. , 2019, , .		0
20	Resource Allocation for Energy Harvesting-Aided Device-to-Device Communications: A Matching Game Approach. IEEE Access, 2019, 7, 175594-175605.	2.6	10
21	Simultaneous Wireless Information and Power Transfer for Dynamic Cooperative Spectrum Sharing Networks. IEEE Access, 2019, 7, 823-834.	2.6	8
22	Opportunistic Energy Harvesting for Multi-Antenna-Relay-Assisted Wireless Powered Communication Network. IEEE Communications Letters, 2019, 23, 148-151.	2.5	2
23	Robust Secrecy Beamforming and Power-Splitting Design for Multiuser MISO Downlink With SWIPT. IEEE Systems Journal, 2019, 13, 1367-1375.	2.9	16
24	Performance Analysis of Energy Harvesting Multi-Antenna Relay Networks With Different Antenna Selection Schemes. IEEE Access, 2018, 6, 5654-5665.	2.6	32
25	Impact of Correlated Fading Channels on Cognitive Relay Networks With Generalized Relay Selection. IEEE Access, 2018, 6, 6040-6047.	2.6	18
26	Notice of Violation of IEEE Publication Principles: Robust Secure Precoding Design for MIMO SWIPT System With Bounded Channel Uncertainties. IEEE Access, 2018, 6, 7888-7896.	2.6	5
27	Cognitive Satellite Terrestrial Relay Networks with Hardware Impairments and Outdated CSI. , 2018, , .		2
28	Secrecy Performance Analysis in MISOSE Cognitive Radio Networks Over Correlated Fading Channels. , 2018, , .		1
29	On the Performance of Cognitive Satellite-Terrestrial Relay Networks with Channel Estimation Error and Hardware Impairments. Sensors, 2018, 18, 3292.	2.1	15
30	Energy-Efficient Secure Transmission for Wireless Powered Internet of Things With Multiple Power Beacons. IEEE Access, 2018, 6, 75086-75098.	2.6	22
31	Aprojected gradient based game theoretic approach for multi-user power control in cognitive radio network. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 367-378.	1.5	3
32	Physical Layer Security for Hybrid Satellite Terrestrial Relay Networks With Joint Relay Selection and User Scheduling. IEEE Access, 2018, 6, 55815-55827.	2.6	42
33	Physical Layer Security in Overlay Cognitive Radio Networks With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2018, 67, 11274-11279.	3.9	36
34	Secrecy Performance of Wireless Powered Communication Networks With Multiple Eavesdroppers and Outdated CSI. IEEE Access, 2018, 6, 33774-33788.	2.6	14
35	Cooperation Diversity for Secrecy Enhancement in Cognitive Relay Wiretap Network Over Correlated Fading Channels. IEEE Access, 2018, 6, 27840-27852.	2.6	3
36	Outage Analysis of Cognitive Hybrid Satellite-Terrestrial Networks With Hardware Impairments and Multi-Primary Users. IEEE Wireless Communications Letters, 2018, 7, 816-819.	3.2	55

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37	Low complexity hybrid precoding based on ORLS for mmWave massive MIMO systems. , 2018, , .		4
38	Secrecy performance analysis of cooperative multiuser single carrier systems. , 2017, , .		1
39	Performance Analysis of Two-Way Satellite Terrestrial Relay Networks With Hardware Impairments. IEEE Wireless Communications Letters, 2017, 6, 430-433.	3.2	33
40	Joint Robust Design for Secure AF Relay Networks With SWIPT. IEEE Access, 2017, 5, 9369-9377.	2.6	32
41	Secure Transmission of Wireless Relaying Systems With Jammer and Multiple-User Selection. IEEE Access, 2017, 5, 8771-8779.	2.6	7
42	Outage Analysis of Multi-Relay Networks With Hardware Impairments Using SECps Scheduling Scheme in Shadowed-Rician Channel. IEEE Access, 2017, 5, 5113-5120.	2.6	18
43	On the security of cooperative cognitive radio networks with distributed beamforming. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	1.5	4
44	Performance analysis of a satellite-terrestrial relay network with hardware impairments using switch-and-stay combining scheme. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773293.	1.3	9
45	Robust Energy Efficiency Optimization for Secure MIMO SWIPT Systems With Non-Linear EH Model. IEEE Communications Letters, 2017, 21, 2610-2613.	2.5	33
46	Decoupled 2-D Direction of Arrival Estimation in L-Shaped Array. IEEE Communications Letters, 2017, 21, 1989-1992.	2.5	21
47	Joint beamforming and cooperative jamming for secure transmission in multi-antenna decode-and-forward relaying sensor networks: A greedy switching strategy. International Journal of Distributed Sensor Networks, 2017, 13, 155014771770946.	1.3	1
48	Secrecy Enhancement of Multiuser MISO Networks Using OSTBC and Artificial Noise. IEEE Transactions on Vehicular Technology, 2017, 66, 11394-11398.	3.9	16
49	Secrecy Outage Analysis of Buffer-Aided Cooperative MIMO Relaying Systems. IEEE Transactions on Vehicular Technology, 2017, , 1-1.	3.9	36
50	Secrecy outage analysis of buffer-aided multi-antenna relay systems without eavesdropper's CSI. , 2017, , .		3
51	Joint cooperative beamforming and artificial noise design for secure AF relay networks with energy-harvesting eavesdroppers. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 850-862.	1.5	2
52	Outage Constrained Robust Energy Harvesting Maximization for Secure MIMO SWIPT Systems. IEEE Wireless Communications Letters, 2017, 6, 614-617.	3.2	23
53	Secrecy Analysis of MIMO Wiretap Channels With Low-Complexity Receivers Under Imperfect Channel Estimation. IEEE Transactions on Information Forensics and Security, 2017, 12, 257-270.	4.5	22
54	Performance of Multi-Antenna Wireless-Powered Communications with Nonlinear Energy Harvester. , 2017, , .		4

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55	Joint Downlink Power and Time-Slot Allocation for Distributed Satellite Cluster Network Based on Pareto Optimization. IEEE Access, 2017, 5, 25081-25096.	2.6	8
56	Security Enhancement for Multiple Multi-Antenna Relaying Networks. , 2017, , .		1
57	Security of full-duplex jamming SWIPT system with multiple non-colluding eavesdroppers. , 2017, , .		2
58	Secure transmission in power beacon assisted wireless communication networks. , 2017, , .		2
59	A non-stationary channel model for 5G massive MIMO systems. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 2101-2110.	1.5	8
60	Security-reliability tradeoff for cooperative multi-relay and jammer selection in Nakagami-m fading channels. , 2017, , .		0
61	Secure Multiuser Communications in Wireless Sensor Networks with TAS and Cooperative Jamming. Sensors, 2016, 16, 1908.	2.1	14
62	Improving the Security of Cooperative Relaying Networks with Multiple Antennas. , 2016, , .		2
63	Security outage probability with antenna selection in Full-duplex system. , 2016, , .		0
64	Secure performance analysis of satellite communication networks in Shadowed Rician Channel. , 2016, , .		21
65	Secure wireless communications with relay selection and wireless powered transfer. , 2016, , .		0
66	Secrecy outage analysis of cooperative relay system with multiuser scheduling. , 2016, , .		2
67	Improving the security of spectrum-sharing wiretap networks with full-duplex technique. , 2016, , .		0
68	Secrecy outage analysis of scan-and-wait combining scheme in multi-antenna downlink wiretap networks. , 2016, , .		0
69	Dual-hop cognitive MIMO wiretap networks with outdated channel state information. , 2016, , .		0
70	Secure Transmission in Spectrum Sharing Relaying Networks With Multiple Antennas. IEEE Communications Letters, 2016, 20, 824-827.	2.5	21
71	Secure Multi-Antenna Cognitive Wiretap Networks. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	23
72	Secure Transmission in Cognitive MIMO Relaying Networks With Outdated Channel State Information. IEEE Access, 2016, 4, 8212-8224.	2.6	32

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73	Secure Multiuser Scheduling in Downlink Dual-Hop Regenerative Relay Networks Over Nakagami- $m$ Fading Channels. IEEE Transactions on Wireless Communications, 2016, 15, 8009-8024.	6.1	54
74	Secure Transmission in Cooperative Relaying Networks With Multiple Antennas. IEEE Transactions on Wireless Communications, 2016, 15, 6843-6856.	6.1	72
75	Performance analysis of a dual-hop satellite relay network with hardware impairments. , 2016, , .		3
76	Outage analysis and impairments allocation of two-way opportunistic relaying network with hardware impairments. , 2016, , .		4
77	Secure transmission in spectrum sharing MIMO channels with generalized antenna selection over Nakagami- $m$ channels. IEEE Access, 2016, 4, 4058-4065.	2.6	15
78	Physical Layer Security With Threshold-Based Multiuser Scheduling in Multi-Antenna Wireless Networks. IEEE Transactions on Communications, 2016, 64, 5189-5202.	4.9	47
79	Low-Complexity Detection for GSM-MIMO Systems via Spatial Constraint. , 2016, , .		1
80	Secure Transmission in Cognitive Wiretap Networks. , 2016, , .		7
81	Secure Full-Duplex Spectrum-Sharing Wiretap Networks with Different Antenna Reception Schemes. IEEE Transactions on Communications, 2016, , 1-1.	4.9	39
82	Secrecy Outage Analysis of Multiuser Downlink Wiretap Networks With SECps Scheduling in Nakagami- $m$ channel. IEEE Wireless Communications Letters, 2016, 5, 492-495.	3.2	8
83	Ergodic secrecy capacity for downlink multiuser networks using switch-and-examine combining with post-selection scheduling scheme. Electronics Letters, 2016, 52, 720-722.	0.5	11
84	Low-complexity soft-decision aided detectors for coded spatial modulation MIMO systems. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	4
85	Outage Performance of MIMO Multihop Relay Network with MRT/RAS Scheme. IEICE Transactions on Information and Systems, 2015, E98.D, 1381-1385.	0.4	1
86	Low-complexity soft-output detectors for LDPC coded spatial modulation systems. , 2015, , .		7
87	Performance analysis of MIMO DF relay network with the Nth-best user selection scheme in the presence of co-channel interference. AEU - International Journal of Electronics and Communications, 2015, 69, 745-752.	1.7	4
88	Low-Complexity ML Detection for Spatial Modulation MIMO With APSK Constellation. IEEE Transactions on Vehicular Technology, 2015, 64, 4315-4321.	3.9	25
89	Secure Transmission in MIMO Wiretap Channels Using General-Order Transmit Antenna Selection With Outdated CSI. IEEE Transactions on Communications, 2015, 63, 2959-2971.	4.9	118
90	Unified performance analysis of maximal-ratio combining for spectrum sharing systems with antenna correlation. International Journal of Communication Systems, 2015, 28, 201-212.	1.6	1

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91	Outage Analysis of Cooperative Communication Network with Hardware Impairments. Frequenz, 2015, 69, .	0.6	8
92	Resource Allocation for Energy Saving in Downlink Wireless Communication with Direction-Variable Antennas. , 2014, , .		0
93	Outage and capacity analysis between opportunistic and partial relay cooperative network with hardware impairments. , 2014, , .		3
94	Performance Analysis of Multiuser Multiple Antenna Relaying Networks with Co-Channel Interference and Feedback Delay. IEEE Transactions on Communications, 2014, 62, 59-73.	4.9	75
95	Cognitive MIMO Relaying Networks With Primary User's Interference and Outdated Channel State Information. IEEE Transactions on Communications, 2014, 62, 4241-4254.	4.9	45
96	Outage Analysis of Spectrum Sharing Relay Systems With Multiple Secondary Destinations Under Primary User's Interference. IEEE Transactions on Vehicular Technology, 2014, 63, 3456-3464.	3.9	34
97	Outage performance of multiple-input-output decode-and-forward relay networks with the best relay selection scheme in the presence of co-channel interference. IET Communications, 2014, 8, 2762-2773.	1.5	4
98	Outage Performance of Spectrum Sharing Systems with MRC Diversity under Multiple Primary User's Interference. IEEE Communications Letters, 2014, 18, 576-579.	2.5	7
99	Space Shift Keying MIMO System Under Spectrum Sharing Environments in Rayleigh Fading. IEEE Communications Letters, 2014, 18, 1503-1506.	2.5	21
100	Protocol design and performance analysis for cognitive cooperative networks with multiple antennas. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	1.5	3
101	Outage Analysis of Cognitive Relay Networks with Interference Constraints in Nakagami-m Channels. IEEE Wireless Communications Letters, 2013, 2, 387-390.	3.2	14
102	Performance analysis of interference-limited dual-hop multiple antenna AF relaying systems with feedback delay. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	1.5	2
103	Outage analysis of spectrum sharing relay systems with multi-secondary destinations in the presence of primary user's interference. , 2013, , .		3
104	Performance Analysis of MRC Diversity for Spectrum Sharing Systems with Imperfect Channel Estimation. , 2013, , .		0
105	On the Capacity of Dual-Hop Multiple Antenna AF Relaying Systems with Feedback Delay and CCI. IEEE Communications Letters, 2013, 17, 1200-1203.	2.5	27
106	Performance analysis of uplink cognitive cellular networks in Nakagami-m fading channels. , 2013, , .		0
107	Outage analysis of MIMO DF relay systems with partial N&sup>th&-best relay selection scheme in the presence of co-channel interference. , 2013, , .		2
108	Effective Capacity of Cognitive Radio Systems with GSC Diversity under Imperfect Channel Knowledge. IEEE Communications Letters, 2012, 16, 1792-1795.	2.5	21

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109	Consensus-based decentralized clustering for cooperative spectrum sensing in cognitive radio networks. Science Bulletin, 2012, 57, 3677-3683.	1.7	13