

Gaojie Chen

List of Publications by Year in descending order

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114
papers

3,325
citations

147801

31
h-index

161849

54
g-index

114
all docs

114
docs citations

114
times ranked

2642
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Layer Network Security in the Full-Duplex Relay System. IEEE Transactions on Information Forensics and Security, 2015, 10, 574-583.	6.9	248
2	Buffer-Aided Max-Link Relay Selection in Amplify-and-Forward Cooperative Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 553-565.	6.3	194
3	Energy Efficiency Optimization for NOMA With SWIPT. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 452-466.	10.8	152
4	Max-Ratio Relay Selection in Secure Buffer-Aided Cooperative Wireless Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 719-729.	6.9	139
5	Joint Optimization for Secure Intelligent Reflecting Surface Assisted UAV Networks. IEEE Wireless Communications Letters, 2021, 10, 276-280.	5.0	112
6	A Hybrid Relay and Intelligent Reflecting Surface Network and Its Ergodic Performance Analysis. IEEE Wireless Communications Letters, 2020, 9, 1653-1657.	5.0	101
7	A Deep Learning-Based Approach to Power Minimization in Multi-Carrier NOMA With SWIPT. IEEE Access, 2019, 7, 17450-17460.	4.2	98
8	Buffer-Aided Relay Selection With Reduced Packet Delay in Cooperative Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2567-2575.	6.3	89
9	Secrecy Outage Analysis for Downlink Transmissions in the Presence of Randomly Located Eavesdroppers. IEEE Transactions on Information Forensics and Security, 2017, 12, 1195-1206.	6.9	88
10	Independent vector analysis with a generalized multivariate Gaussian source prior for frequency domain blind source separation. Signal Processing, 2014, 105, 175-184.	3.7	86
11	Secrecy Performance Analysis of Wireless Communications in the Presence of UAV Jammer and Randomly Located UAV Eavesdroppers. IEEE Transactions on Information Forensics and Security, 2019, 14, 3026-3041.	6.9	80
12	Buffer-Aided Relay Selection for Cooperative NOMA in the Internet of Things. IEEE Internet of Things Journal, 2019, 6, 5722-5731.	8.7	74
13	Decode-and-Forward Buffer-Aided Relay Selection in Cognitive Relay Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 4723-4728.	6.3	71
14	Reconfigurable Intelligent Surfaces-Assisted Communications With Discrete Phase Shifts: How Many Quantization Levels Are Required to Achieve Full Diversity?. IEEE Wireless Communications Letters, 2021, 10, 358-362.	5.0	71
15	Optimal Routing for Multihop Social-Based D2D Communications in the Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1880-1889.	8.7	65
16	Full-Duplex Wireless-Powered Relay in Two Way Cooperative Networks. IEEE Access, 2017, 5, 1548-1558.	4.2	59
17	Securing Visible Light Communication Systems by Beamforming in the Presence of Randomly Distributed Eavesdroppers. IEEE Transactions on Wireless Communications, 2018, 17, 2918-2931.	9.2	57
18	Dual Antenna Selection in Secure Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7993-8002.	6.3	55

#	ARTICLE	IF	CITATIONS
19	Adaptive OFDM With Index Modulation for Two-Hop Relay-Assisted Networks. IEEE Transactions on Wireless Communications, 2018, 17, 1923-1936.	9.2	55
20	Secret Key Generation for Intelligent Reflecting Surface Assisted Wireless Communication Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 1030-1034.	6.3	53
21	Enhancement of Physical Layer Security With Simultaneous Beamforming and Jamming for Visible Light Communication Systems. IEEE Transactions on Information Forensics and Security, 2019, 14, 2633-2648.	6.9	52
22	Optimization of Intelligent Reflecting Surface Assisted Full-Duplex Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 363-367.	5.0	52
23	Multicarrier Relay Selection for Full-Duplex Relay-Assisted OFDM D2D Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 7204-7218.	6.3	48
24	Receive Quadrature Reflecting Modulation for RIS-Empowered Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 5121-5125.	6.3	48
25	Optimal Downlink Transmission for Cell-Free SWIPT Massive MIMO Systems With Active Eavesdropping. IEEE Transactions on Information Forensics and Security, 2020, 15, 1983-1998.	6.9	46
26	Energy Minimization in D2D-Assisted Cache-Enabled Internet of Things: A Deep Reinforcement Learning Approach. IEEE Transactions on Industrial Informatics, 2020, 16, 5412-5423.	11.3	44
27	Multi-Agent Reinforcement Learning-Based Buffer-Aided Relay Selection in IRS-Assisted Secure Cooperative Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 4101-4112.	6.9	43
28	Outage Performance Analysis of Full-Duplex Relay-Assisted Device-to-Device Systems in Uplink Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 4506-4510.	6.3	41
29	Deep Reinforcement Learning-Based Relay Selection in Intelligent Reflecting Surface Assisted Cooperative Networks. IEEE Wireless Communications Letters, 2021, 10, 1036-1040.	5.0	38
30	Resource Allocation for Full-Duplex Relay-Assisted Device-to-Device Multicarrier Systems. IEEE Wireless Communications Letters, 2017, 6, 166-169.	5.0	35
31	Ergodic Secrecy Rate of RIS-Assisted Communication Systems in the Presence of Discrete Phase Shifts and Multiple Eavesdroppers. IEEE Wireless Communications Letters, 2021, 10, 629-633.	5.0	35
32	Physical Layer Security in Visible Light Communication Systems With Randomly Located Colluding Eavesdroppers. IEEE Wireless Communications Letters, 2018, 7, 768-771.	5.0	30
33	Lexicographic Codebook Design for OFDM With Index Modulation. IEEE Transactions on Wireless Communications, 2018, 17, 8373-8387.	9.2	27
34	An Equivalence Principle for OFDM-Based Combined Bulk/Per-Subcarrier Relay Selection over Equally Spatially Correlated Channels. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	25
35	Trusted UAV Network Coverage Using Blockchain, Machine Learning, and Auction Mechanisms. IEEE Access, 2020, 8, 118219-118234.	4.2	25
36	Buffer-Aided Relay Selection for Cooperative Hybrid NOMA/OMA Networks With Asynchronous Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 2514-2525.	14.0	25

#	ARTICLE	IF	CITATIONS
37	Secure Transmission With Randomized Constellation Rotation for Downlink Sparse Code Multiple Access System. IEEE Access, 2018, 6, 5049-5063.	4.2	24
38	Performance Analysis for Multihop Full-Duplex IoT Networks Subject to Poisson Distributed Interferers. IEEE Internet of Things Journal, 2019, 6, 3467-3479.	8.7	24
39	Performance Analysis for Multihop Cognitive Radio Networks With Energy Harvesting by Using Stochastic Geometry. IEEE Internet of Things Journal, 2020, 7, 1154-1163.	8.7	24
40	Outage Performance of Two-Hop OFDM Systems With Spatially Random Decode-and-Forward Relays. IEEE Access, 2017, 5, 27514-27524.	4.2	23
41	Sum-Rate Maximization in IRS-Assisted Wireless Power Communication Networks. IEEE Internet of Things Journal, 2021, 8, 14959-14970.	8.7	23
42	Outage Performance of Two-Hop OFDM With Index Modulation and Multi-Carrier Relay Selections. IEEE Wireless Communications Letters, 2018, 7, 926-929.	5.0	22
43	Adaptive Nonlinear Equalization Combining Sparse Bayesian Learning and Kalman Filtering for Visible Light Communications. Journal of Lightwave Technology, 2020, 38, 6732-6745.	4.6	21
44	Enhanced Secrecy Performance of Multihop IoT Networks With Cooperative Hybrid-Duplex Jamming. IEEE Transactions on Information Forensics and Security, 2021, 16, 161-172.	6.9	21
45	Zero-Forcing Beamforming for Active and Passive Eavesdropper Mitigation in Visible Light Communication Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 1495-1505.	6.9	21
46	Joint Buffer-Aided Hybrid-Duplex Relay Selection and Power Allocation for Secure Cognitive Networks With Double Deep Q-Network. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 834-844.	7.9	20
47	Buffer-Aided Link Selection With Network Coding in Multihop Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7195-7206.	6.3	19
48	Impact of multipath reflections on secrecy in VLC systems with randomly located eavesdroppers. , 2018, , .		19
49	Experimental 5G New Radio integration with VLC. , 2018, , .		18
50	Using Buffers in Trust-Aware Relay Selection Networks With Spatially Random Relays. IEEE Transactions on Wireless Communications, 2018, 17, 5818-5826.	9.2	18
51	Performance Analysis of Buffer-Aided Hybrid NOMA/OMA in Cooperative Uplink System. IEEE Access, 2019, 7, 168759-168773.	4.2	18
52	Secrecy Outage Analysis in Random Wireless Networks With Antenna Selection and User Ordering. IEEE Wireless Communications Letters, 2017, 6, 334-337.	5.0	17
53	Iterative Frequency Domain Equalization for MIMO-GFDM Systems. IEEE Access, 2018, 6, 19386-19395.	4.2	17
54	Study of Relay Selection in a Multi-Cell Cognitive Network. IEEE Wireless Communications Letters, 2013, 2, 435-438.	5.0	16

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55	Power Allocation for Adaptive OFDM Index Modulation in Cooperative Networks. , 2017, , .		16
56	Meta Distribution of the Secrecy Rate in the Presence of Randomly Located Eavesdroppers. IEEE Wireless Communications Letters, 2018, 7, 630-633.	5.0	16
57	Secure Routing for Multihop Ad Hoc Networks With Inhomogeneous Eavesdropper Clusters. IEEE Transactions on Vehicular Technology, 2018, 67, 10660-10670.	6.3	16
58	Delay-Constrained Buffer-Aided Relay Selection in the Internet of Things With Decision-Assisted Reinforcement Learning. IEEE Internet of Things Journal, 2021, 8, 10198-10208.	8.7	16
59	Intelligent Omni Surface-Assisted Secure MIMO Communication Networks With Artificial Noise. IEEE Communications Letters, 2022, 26, 1231-1235.	4.1	16
60	Outage probability analysis for a cognitive amplify-and-forward relay network with single and multi-relay selection. IET Communications, 2013, 7, 1974-1981.	2.2	15
61	Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. IEEE Transactions on Vehicular Technology, 2020, 69, 16304-16308.	6.3	15
62	Outage probability analysis of cognitive relay network with four relay selection and end-to-end performance with modified quasi-orthogonal space-time coding. IET Communications, 2014, 8, 233-241.	2.2	14
63	Dual Antenna Selection in Self-Backhauling Multiple Small Cell Networks. IEEE Communications Letters, 2016, 20, 1611-1614.	4.1	14
64	Route Selection Based on Connectivity-Delay-Trust in Public Safety Networks. IEEE Systems Journal, 2019, 13, 1558-1567.	4.6	14
65	Ergodic Capacity Analysis for FSO Communications with UAV-Equipped IRS in the Presence of Pointing Error. , 2020, , .		14
66	A robust energy-efficient routing algorithm to cloud computing networks for learning. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2483-2495.	1.4	13
67	Cooperative Beamforming and Jamming for Secure VLC System in the Presence of Active and Passive Eavesdroppers. IEEE Transactions on Green Communications and Networking, 2021, 5, 1988-1998.	5.5	13
68	Downlink Multi-Carrier NOMA With Opportunistic Bandwidth Allocations. IEEE Wireless Communications Letters, 2021, 10, 2426-2429.	5.0	13
69	Efficient Low-Complexity Antenna Selection Algorithms in Multi-User Massive MIMO Systems With Matched Filter Precoding. IEEE Transactions on Vehicular Technology, 2020, 69, 2993-3007.	6.3	11
70	Design and Evaluation of Buffer-Aided Cooperative NOMA With Direct Transmission in IoT. IEEE Internet of Things Journal, 2021, 8, 8145-8158.	8.7	11
71	SINR Maximization for RIS-Assisted Secure Dual-Function Radar Communication Systems. , 2021, , .		11
72	Codeword Position Index Modulation Design for Sparse Code Multiple Access System. IEEE Transactions on Vehicular Technology, 2020, 69, 13273-13288.	6.3	10

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73	A Simple Multicarrier Transmission Technique Combining Transmit Diversity and Data Multiplexing for Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2021, 70, 7216-7220.	6.3	10
74	Digital self-interference cancellation for Full-Duplex MIMO systems. , 2015, , .		9
75	Performance Study of Cognitive Relay NOMA Networks With Dynamic Power Transmission. IEEE Transactions on Vehicular Technology, 2021, 70, 2882-2887.	6.3	9
76	Deep Reinforcement Learning Based Relay Selection in Delay-Constrained Secure Buffer-Aided CRNs. , 2020, , .		9
77	Secure Transmission With Interleaver for Uplink Sparse Code Multiple Access System. IEEE Wireless Communications Letters, 2019, 8, 336-339.	5.0	8
78	Challenges in Physical Layer Security for Visible Light Communication Systems. Network, 2022, 2, 53-65.	2.4	8
79	Joint Coverage Enhancement by Power Allocation in Poisson Clustered Out-of-Band D2D Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 11537-11548.	6.3	7
80	Simplified sparse code multiple access receiver by using truncated messages. IET Communications, 2018, 12, 1937-1945.	2.2	7
81	Securing Visible Light Communications with Spatial Jamming. , 2019, , .		7
82	Performance Analysis of Cognitive Clustered M2M Random Networks With Joint User and Machine Device Selection. IEEE Access, 2019, 7, 83515-83525.	4.2	6
83	Codeword Position Index Based Sparse Code Multiple Access System. IEEE Wireless Communications Letters, 2019, 8, 737-740.	5.0	6
84	Buffer-State-Based Probabilistic Relay Selection for Cooperative Networks With Delay Constraints. IEEE Wireless Communications Letters, 2020, 9, 1855-1859.	5.0	6
85	Secrecy of Multi-Antenna Transmission With Full-Duplex User in the Presence of Randomly Located Eavesdroppers. IEEE Transactions on Information Forensics and Security, 2021, 16, 2060-2075.	6.9	6
86	Analyzing Uplink Grant-Free Sparse Code Multiple Access System in Massive IoT Networks. IEEE Internet of Things Journal, 2022, 9, 5561-5577.	8.7	6
87	Physical Layer Security in Multiuser VLC Systems with a Randomly Located Eavesdropper. , 2019, , .		5
88	Performance Analysis for User Scheduling in Covert Cognitive Radio Networks. , 2020, , .		5
89	Comment on "Relay Selection for Secure Cooperative Networks with Jamming". IEEE Transactions on Wireless Communications, 2012, 11, 2351-2351.	9.2	4
90	Outage performance analysis of multicarrier relay selection for cooperative networks. , 2017, , .		4

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91	Network Coding for Physical Layer Secrecy. IEEE Wireless Communications Letters, 2018, 7, 642-645.	5.0	4
92	Secrecy Enhancement by Antenna Selection and FD Communication with Randomly Located Eavesdroppers. , 2016, , .		3
93	Secrecy analysis in visible light communication systems with randomly located eavesdroppers. , 2017, , .		3
94	Millimeter-Wave Coordinated Beamforming Enabled Cooperative Network: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2020, , 1-1.	7.8	3
95	Novel deep reinforcement learning-based delay-constrained buffer-aided relay selection in cognitive cooperative networks. Electronics Letters, 2020, 56, 1148-1150.	1.0	3
96	Two- and four-relay selection schemes for application in interference limited legacy networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	2
97	Full-Duplex Relay with Delayed CSI Elevates the SDoF of the MIMO X Channel. Entropy, 2021, 23, 1484.	2.2	2
98	Iterative widely linear equalization for MIMO SC-FDMA systems. , 2015, , .		1
99	Optimal Cross-Tier Power Allocation for D2D Multi-Cell Networks. , 2016, , .		1
100	Novel joint secure resource allocation optimization for full-duplex relay networks with cooperative jamming. , 2016, , .		1
101	Outage Analysis of Distributed Buffering Multi-Relay Selection for Cooperative Networks. , 2018, , .		1
102	Performance Analysis of Cognitive Clustered Machine-to-Machine Networks with Device Selection. , 2018, , .		1
103	Physical Layer Secrecy in the Wireless Power Transfer Network with Full-Duplex Jamming. , 2019, , .		1
104	Cell-Edge-Aware Antenna Selection and Power Allocation in Massive MIMO Systems. , 2019, , .		1
105	A Continuum Model for Route Optimization in Large-Scale Inhomogeneous Multi-Hop Wireless Networks. , 2019, , .		1
106	Design and performance evaluation of V2X communication protocol based on Nakagami-m outage probability. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9405-9421.	4.9	1
107	Performance analysis of multi-antenna selection policies using the golden code in multiple-input multiple-output systems. IET Communications, 2014, 8, 2147-2152.	2.2	0
108	Optimum user selection for hybrid-duplex device-to-device in cellular networks. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
109	Enhancing secrecy by full-duplex antenna selection in cognitive networks. , 2017, , .		0
110	On computational approaches to trust evaluation in large-scale social networks. , 2017, , .		0
111	A Novel Visible Light Communication Channel Compensation and Reconstruction Algorithm for Linear Decomposed CPM Signals. , 2018, , .		0
112	Average SER Analysis for Layered Division Multiplexing System with Index Modulation. , 2019, , .		0
113	Optimal Fairness in Device Pairing with Antenna Selection for Uplink NOMA in Massive M2M Networks. , 2019, , .		0
114	A Cooperative Jamming Scheme for Physical Layer Security enhancement in Multihop IoT Networks with Colluding Eavesdroppers. , 2021, , .		0