Yuanawei Liu

List of Publications by Year in descending order

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Version: 2024-02-01

302 papers	16,130 citations	22099 59 h-index	18606 119 g-index
308 all docs	308 docs citations	308 times ranked	6416 citing authors

#	Article	IF	Citations
1	Application of Non-Orthogonal Multiple Access in LTE and 5G Networks. IEEE Communications Magazine, 2017, 55, 185-191.	4.9	1,484
2	Nonorthogonal Multiple Access for 5G and Beyond. Proceedings of the IEEE, 2017, 105, 2347-2381.	16.4	961
3	Cooperative Non-orthogonal Multiple Access With Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2016, 34, 938-953.	9.7	820
4	Reconfigurable Intelligent Surfaces: Principles and Opportunities. IEEE Communications Surveys and Tutorials, 2021, 23, 1546-1577.	24.8	520
5	Enhancing the Physical Layer Security of Non-Orthogonal Multiple Access in Large-Scale Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1656-1672.	6.1	485
6	Nonorthogonal Multiple Access in Large-Scale Underlay Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 10152-10157.	3.9	307
7	Multi-Agent Reinforcement Learning-Based Resource Allocation for UAV Networks. IEEE Transactions on Wireless Communications, 2020, 19, 729-743.	6.1	296
8	Exploiting Full/Half-Duplex User Relaying in NOMA Systems. IEEE Transactions on Communications, 2018, 66, 560-575.	4.9	277
9	Exploiting Intelligent Reflecting Surfaces in NOMA Networks: Joint Beamforming Optimization. IEEE Transactions on Wireless Communications, 2020, 19, 6884-6898.	6.1	251
10	Relay Selection for Security Enhancement in Cognitive Relay Networks. IEEE Wireless Communications Letters, 2015, 4, 46-49.	3.2	246
11	Residual Transceiver Hardware Impairments on Cooperative NOMA Networks. IEEE Transactions on Wireless Communications, 2020, 19, 680-695.	6.1	239
12	Trajectory Design and Power Control for Multi-UAV Assisted Wireless Networks: A Machine Learning Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 7957-7969.	3.9	238
13	Reconfigurable Intelligent Surface Aided NOMA Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 2575-2588.	9.7	215
14	Reinforcement Learning in Multiple-UAV Networks: Deployment and Movement Design. IEEE Transactions on Vehicular Technology, 2019, 68, 8036-8049.	3.9	205
15	UAV Communications Based on Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2019, 26, 52-57.	6.6	198
16	Simultaneously Transmitting and Reflecting (STAR) RIS Aided Wireless Communications. IEEE Transactions on Wireless Communications, 2022, 21, 3083-3098.	6.1	197
17	STAR: Simultaneous Transmission and Reflection for 360Â° Coverage by Intelligent Surfaces. IEEE Wireless Communications, 2021, 28, 102-109.	6.6	190
18	Secure D2D Communication in Large-Scale Cognitive Cellular Networks: A Wireless Power Transfer Model. IEEE Transactions on Communications, 2016, 64, 329-342.	4.9	183

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19	Optimal User Scheduling and Power Allocation for Millimeter Wave NOMA Systems. IEEE Transactions on Wireless Communications, 2018, 17, 1502-1517.	6.1	181
20	Non-Orthogonal Multiple Access in Large-Scale Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2667-2680.	9.7	176
21	Interplay Between NOMA and Other Emerging Technologies: A Survey. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 900-919.	4.9	173
22	Sparse Representation for Wireless Communications: A Compressive Sensing Approach. IEEE Signal Processing Magazine, 2018, 35, 40-58.	4.6	169
23	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1037-1071.	9.7	168
24	Spectrum Allocation and Power Control for Non-Orthogonal Multiple Access in HetNets. IEEE Transactions on Wireless Communications, 2017, 16, 5825-5837.	6.1	160
25	STAR-RISs: Simultaneous Transmitting and Reflecting Reconfigurable Intelligent Surfaces. IEEE Communications Letters, 2021, 25, 3134-3138.	2.5	160
26	Joint Subchannel and Power Allocation for NOMA Enhanced D2D Communications. IEEE Transactions on Communications, 2017, 65, 5081-5094.	4.9	157
27	Wireless Energy Harvesting in a Cognitive Relay Network. IEEE Transactions on Wireless Communications, 2016, 15, 2498-2508.	6.1	150
28	Resource Allocation in Intelligent Reflecting Surface Assisted NOMA Systems. IEEE Transactions on Communications, 2020, 68, 7170-7183.	4.9	149
29	Performance Analysis of NOMA With Fixed Gain Relaying Over Nakagami- m Fading Channels. IEEE Access, 2017, 5, 5445-5454.	2.6	136
30	Reconfigurable intelligent surfaces for wireless communications: Overview of hardware designs, channel models, and estimation techniques. Intelligent and Converged Networks, 2022, 3, 1-32.	3.2	132
31	Fairness of User Clustering in MIMO Non-Orthogonal Multiple Access Systems. IEEE Communications Letters, 2016, , 1-1.	2.5	129
32	Machine Learning Empowered Trajectory and Passive Beamforming Design in UAV-RIS Wireless Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2042-2055.	9.7	125
33	Full-Duplex Cooperative NOMA Relaying Systems With I/Q Imbalance and Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 17-20.	3.2	123
34	Multiple Antenna Aided NOMA in UAV Networks: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2019, 67, 1031-1044.	4.9	121
35	Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. IEEE Transactions on Vehicular Technology, 2020, 69, 12286-12290.	3.9	120
36	RIS Enhanced Massive Non-Orthogonal Multiple Access Networks: Deployment and Passive Beamforming Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1057-1071.	9.7	120

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37	Downlink and Uplink Intelligent Reflecting Surface Aided Networks: NOMA and OMA. IEEE Transactions on Wireless Communications, 2021, 20, 3988-4000.	6.1	115
38	Multiple-Antenna-Assisted Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2018, 25, 17-23.	6.6	109
39	Performance Analysis of FD-NOMA-Based Decentralized V2X Systems. IEEE Transactions on Communications, 2019, 67, 5024-5036.	4.9	109
40	Resource Allocation for Multi-Cell IRS-Aided NOMA Networks. IEEE Transactions on Wireless Communications, 2021, 20, 4253-4268.	6.1	107
41	Modeling and Analysis of Two-Way Relay Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2018, 66, 3784-3796.	4.9	106
42	Coverage Characterization of STAR-RIS Networks: NOMA and OMA. IEEE Communications Letters, 2021, 25, 3036-3040.	2.5	104
43	Intelligent Reflecting Surface Enhanced Multi-UAV NOMA Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3051-3066.	9.7	95
44	Joint Resource and Trajectory Optimization for Security in UAV-Assisted MEC Systems. IEEE Transactions on Communications, 2021, 69, 573-588.	4.9	94
45	User Association and Resource Allocation in Unified NOMA Enabled Heterogeneous Ultra Dense Networks. , 2018, 56, 86-92.		91
46	Physical layer security for 5G non-orthogonal multiple access in large-scale networks. , 2016, , .		89
47	Angle Domain Channel Estimation in Hybrid Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 8165-8179.	6.1	89
48	A Unified Framework for Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2018, 66, 5346-5359.	4.9	87
49	Joint Deployment and Multiple Access Design for Intelligent Reflecting Surface Assisted Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6648-6664.	6.1	82
50	MIMO-NOMA Networks Relying on Reconfigurable Intelligent Surface: A Signal Cancellation-Based Design. IEEE Transactions on Communications, 2020, 68, 6932-6944.	4.9	81
51	Spatially Random Relay Selection for Full/Half-Duplex Cooperative NOMA Networks. IEEE Transactions on Communications, 2018, 66, 3294-3308.	4.9	77
52	Two-way relaying networks with wireless power transfer: Policies design and throughput analysis. , 2014, , .		74
53	Performance Analysis of Non-Regenerative Massive-MIMO-NOMA Relay Systems for 5G. IEEE Transactions on Communications, 2017, 65, 4777-4790.	4.9	74
54	A Unified Spatial Framework for UAV-Aided MmWave Networks. IEEE Transactions on Communications, 2019, 67, 8801-8817.	4.9	72

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55	UAV-Aided Multi-Way NOMA Networks With Residual Hardware Impairments. IEEE Wireless Communications Letters, 2020, 9, 1538-1542.	3.2	72
56	Performance Analysis of Intelligent Reflecting Surface Assisted NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 2623-2636.	6.1	72
57	Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 6818-6821.	3.9	69
58	Capacity and Optimal Resource Allocation for IRS-Assisted Multi-User Communication Systems. IEEE Transactions on Communications, 2021, 69, 3771-3786.	4.9	69
59	Energy-Efficient Multiaccess Edge Computing for Terrestrial-Satellite Internet of Things. IEEE Internet of Things Journal, 2021, 8, 14202-14218.	5.5	69
60	QoE-Based Resource Allocation for Multi-Cell NOMA Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6160-6176.	6.1	68
61	Cache-Aided NOMA Mobile Edge Computing: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 6899-6915.	6.1	65
62	Intelligent Reflecting Surface Enhanced Millimeter-Wave NOMA Systems. IEEE Communications Letters, 2020, 24, 2632-2636.	2.5	64
63	When Machine Learning Meets Big Data: A Wireless Communication Perspective. IEEE Vehicular Technology Magazine, 2020, 15, 63-72.	2.8	60
64	Cache-Enabling UAV Communications: Network Deployment and Resource Allocation. IEEE Transactions on Wireless Communications, 2020, 19, 7470-7483.	6.1	59
65	Modeling and Analysis of D2D Millimeter-Wave Networks With Poisson Cluster Processes. IEEE Transactions on Communications, 2017, 65, 5574-5588.	4.9	58
66	Secure Communications in a Unified Non-Orthogonal Multiple Access Framework. IEEE Transactions on Wireless Communications, 2020, 19, 2163-2178.	6.1	57
67	Joint Radio and Computational Resource Allocation for NOMA-Based Mobile Edge Computing in Heterogeneous Networks. IEEE Communications Letters, 2018, 22, 2559-2562.	2.5	56
68	User Association and Power Allocation for Multi-Cell Non-Orthogonal Multiple Access Networks. IEEE Transactions on Wireless Communications, 2019, 18, 5284-5298.	6.1	56
69	Exploiting NOMA for UAV Communications in Large-Scale Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6897-6911.	4.9	55
70	NOMA-Based D2D Communications: Towards 5G. , 2016, , .		53
71	I/Q Imbalance Aware Nonlinear Wireless-Powered Relaying of B5G Networks: Security and Reliability Analysis. IEEE Transactions on Network Science and Engineering, 2021, 8, 2995-3008.	4.1	53
72	UAV-Assisted MEC Networks With Aerial and Ground Cooperation. IEEE Transactions on Wireless Communications, 2021, 20, 7712-7727.	6.1	52

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73	Wireless Energy Harvesting and Spectrum Sharing in Cognitive Radio. , 2014, , .		50
74	Channel Estimation for STAR-RIS-Aided Wireless Communication. IEEE Communications Letters, 2022, 26, 652-656.	2.5	50
75	NOMA Empowered Integrated Sensing and Communication. IEEE Communications Letters, 2022, 26, 677-681.	2.5	50
76	Effective Capacity Analysis of STAR-RIS-Assisted NOMA Networks. IEEE Wireless Communications Letters, 2022, 11, 1930-1934.	3.2	50
77	Twoâ€way relay networks with wireless power transfer: design and performance analysis. IET Communications, 2016, 10, 1810-1819.	1.5	49
78	Optimal Throughput Fairness Tradeoffs for Downlink Non-Orthogonal Multiple Access Over Fading Channels. IEEE Transactions on Wireless Communications, 2018, 17, 3556-3571.	6.1	49
79	Trajectory Optimization for UAV Emergency Communication With Limited User Equipment Energy: A Safe-DQN Approach. IEEE Transactions on Green Communications and Networking, 2021, 5, 1236-1247.	3.5	49
80	Intelligent Reflecting Surface Aided Multiple Access Over Fading Channels. IEEE Transactions on Communications, 2021, 69, 2015-2027.	4.9	48
81	Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 12897-12911.	3.9	47
82	Resource Allocation in Uplink NOMA-IoT Networks: A Reinforcement-Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 5083-5098.	6.1	47
83	Many-to-Many Matching with Externalities for Device-to-Device Communications. IEEE Wireless Communications Letters, 2016, , 1-1.	3.2	46
84	D2D-Enabled Mobile User Edge Caching: A Multi-Winner Auction Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 12314-12328.	3.9	45
85	Federated Learning in Multi-RIS-Aided Systems. IEEE Internet of Things Journal, 2022, 9, 9608-9624.	5.5	45
86	Artificial Noise Aided Secure NOMA Communications in STAR-RIS Networks. IEEE Wireless Communications Letters, 2022, 11, 1191-1195.	3.2	44
87	Joint Pilot Allocation and Robust Transmission Design for Ultra-Dense User-Centric TDD C-RAN With Imperfect CSI. IEEE Transactions on Wireless Communications, 2018, 17, 2038-2053.	6.1	43
88	Joint Task Offloading and Resource Allocation for NOMA-Enabled Multi-Access Mobile Edge Computing. IEEE Transactions on Communications, 2021, 69, 1548-1564.	4.9	43
89	Modeling and Analysis of MmWave V2X Networks With Vehicular Platoon Systems. IEEE Journal on Selected Areas in Communications, 2019, 37, 2851-2866.	9.7	42
90	Non-Orthogonal Multiple Access for Air-to-Ground Communication. IEEE Transactions on Communications, 2020, 68, 2934-2949.	4.9	42

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91	Wireless Powered Cognitive Radio Networks With Compressive Sensing and Matrix Completion. IEEE Transactions on Communications, 2017, 65, 1464-1476.	4.9	40
92	Cooperative Communications With Wireless Energy Harvesting Over Nakagami- m Fading Channels. IEEE Transactions on Communications, 2017, 65, 5149-5164.	4.9	39
93	Clustered Millimeter-Wave Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2019, 67, 4350-4364.	4.9	39
94	Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 8329-8342.	3.9	39
95	Artificial Intelligence Aided Next-Generation Networks Relying on UAVs. IEEE Wireless Communications, 2021, 28, 120-127.	6.6	39
96	User Grouping and Energy Harvesting in UAV-NOMA System With AF/DF Relaying. IEEE Transactions on Vehicular Technology, 2021, 70, 11855-11868.	3.9	39
97	Resource Allocation in STAR-RIS-Aided Networks: OMA and NOMA. IEEE Transactions on Wireless Communications, 2022, 21, 7653-7667.	6.1	39
98	Outage performance of full/half-duplex user relaying in NOMA systems. , 2017, , .		37
99	A Novel Energy Harvesting Scheme for Mixed FSO-RF Relaying Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 8259-8263.	3.9	37
100	Cache-Enabled HetNets With Millimeter Wave Small Cells. IEEE Transactions on Communications, 2018, 66, 5497-5511.	4.9	36
101	User Clustering and Power Allocation for Hybrid Non-Orthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 12052-12065.	3.9	36
102	AI Empowered RIS-Assisted NOMA Networks: Deep Learning or Reinforcement Learning?. IEEE Journal on Selected Areas in Communications, 2022, 40, 182-196.	9.7	36
103	A Novel Design of RIS for Enhancing the Physical Layer Security for RIS-Aided NOMA Networks. IEEE Wireless Communications Letters, 2021, 10, 2398-2401.	3.2	35
104	Multi-UAV Dynamic Wireless Networking With Deep Reinforcement Learning. IEEE Communications Letters, 2019, 23, 2243-2246.	2.5	34
105	Non-Orthogonal Multiple Access (NOMA) With Multiple Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2021, 20, 7184-7195.	6.1	34
106	NOMA-Aided Joint Radar and Multicast-Unicast Communication Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1978-1992.	9.7	34
107	Learning Automata Based Q-Learning for Content Placement in Cooperative Caching. IEEE Transactions on Communications, 2020, 68, 3667-3680.	4.9	33
108	Clustered UAV Networks With Millimeter Wave Communications: A Stochastic Geometry View. IEEE Transactions on Communications, 2020, 68, 4342-4357.	4.9	33

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109	Machine Learning for User Partitioning and Phase Shifters Design in RIS-Aided NOMA Networks. IEEE Transactions on Communications, 2021, 69, 7414-7428.	4.9	33
110	Reconfigurable Intelligent Surface-Aided Multi-User Networks: Interplay Between NOMA and RIS. IEEE Wireless Communications, 2022, 29, 169-176.	6.6	33
111	Intelligent Reflecting Surface Enhanced Indoor Robot Path Planning: A Radio Map-Based Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4732-4747.	6.1	31
112	Optimal Resource Block Assignment and Power Allocation for D2D-Enabled NOMA Communication. IEEE Access, 2019, 7, 90023-90035.	2.6	30
113	Three-Dimension Trajectory Design for Multi-UAV Wireless Network With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 600-612.	3.9	30
114	Physical Layer Security of Intelligent Reflective Surface Aided NOMA Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 7821-7834.	3.9	30
115	A Joint Design for STAR-RIS Enhanced NOMA-CoMP Networks: A Simultaneous-Signal-Enhancement-and-Cancellation-Based (SSECB) Design. IEEE Transactions on Vehicular Technology, 2022, 71, 1043-1048.	3.9	29
116	Securing NOMA Networks by Exploiting Intelligent Reflecting Surface. IEEE Transactions on Communications, 2022, 70, 1096-1111.	4.9	29
117	Cooperative non-orthogonal multiple access in 5G systems with SWIPT. , 2015, , .		28
118	Transmit Power Pool Design for Grant-Free NOMA-IoT Networks via Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2021, 20, 7626-7641.	6.1	28
119	UAV-to-Everything (U2X) Networks Relying on NOMA: A Stochastic Geometry Model. IEEE Transactions on Vehicular Technology, 2020, 69, 7558-7568.	3.9	28
120	AI-Driven UAV-NOMA-MEC in Next Generation Wireless Networks. IEEE Wireless Communications, 2021, 28, 66-73.	6.6	28
121	Simultaneously Transmitting and Reflecting Intelligent Omni-Surfaces: Modeling and Implementation. IEEE Vehicular Technology Magazine, 2022, 17, 46-54.	2.8	28
122	Physical Layer Security in Uplink NOMA Multi-Antenna Systems With Randomly Distributed Eavesdroppers. IEEE Access, 2019, 7, 70422-70435.	2.6	27
123	Mode Selection Between Index Coding and Superposition Coding in Cache-Based NOMA Networks. IEEE Communications Letters, 2019, 23, 478-481.	2.5	27
124	Integrating Over-the-Air Federated Learning and Non-Orthogonal Multiple Access: What Role Can RIS Play?. IEEE Transactions on Wireless Communications, 2022, 21, 10083-10099.	6.1	26
125	STAR-RIS Integrated Nonorthogonal Multiple Access and Over-the-Air Federated Learning: Framework, Analysis, and Optimization. IEEE Internet of Things Journal, 2022, 9, 17136-17156.	5.5	26
126	Multi-Agent Reinforcement Learning in NOMA-Aided UAV Networks for Cellular Offloading. IEEE Transactions on Wireless Communications, 2022, 21, 1498-1512.	6.1	25

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127	Reconfigurable Intelligent Surfaces Aided Multi-Cell NOMA Networks: A Stochastic Geometry Model. IEEE Transactions on Communications, 2022, 70, 951-966.	4.9	25
128	Non-Orthogonal Multiple Access in Massive MIMO Aided Heterogeneous Networks. , 2016, , .		24
129	Matching With Peer Effects for Context-Aware Resource Allocation in D2D Communications. IEEE Communications Letters, 2017, 21, 837-840.	2.5	23
130	Deep Reinforcement Learning in Cache-Aided MEC Networks. , 2019, , .		23
131	Intelligent Reflecting Surface Assisted NOMA With Heterogeneous Internal Secrecy Requirements. IEEE Wireless Communications Letters, 2021, 10, 1103-1107.	3.2	23
132	Reconfigurable Intelligent Surface Enhanced NOMA Assisted Backscatter Communication System. IEEE Transactions on Vehicular Technology, 2021, 70, 7261-7266.	3.9	23
133	Performance Analysis of Clustered LoRa Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7616-7629.	3.9	22
134	Content-Centric Mobile Edge Caching. IEEE Access, 2020, 8, 11722-11731.	2.6	22
135	Toward Cross-Layer Design for Non-Orthogonal Multiple Access: A Quality-of-Experience Perspective. IEEE Wireless Communications, 2018, 25, 118-124.	6.6	21
136	Energy-Constrained UAV Data Collection Systems: NOMA and OMA. IEEE Transactions on Vehicular Technology, 2021, 70, 6898-6912.	3.9	21
137	Hardware Impairments Aware Full-Duplex NOMA Networks Over Rician Fading Channels. IEEE Systems Journal, 2021, 15, 2515-2518.	2.9	20
138	Graph-Embedded Multi-Agent Learning for Smart Reconfigurable THz MIMO-NOMA Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 259-275.	9.7	20
139	Joint Optimization of Caching Placement and Trajectory for UAV-D2D Networks. IEEE Transactions on Communications, 2022, 70, 5514-5527.	4.9	20
140	Effective Capacity Analysis of AmBC-NOMA Communication Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 11257-11261.	3.9	20
141	The Application of Multi-Agent Reinforcement Learning in UAV Networks. , 2019, , .		19
142	Throughput Analysis and User Barring Design for Uplink NOMA-Enabled Random Access. IEEE Transactions on Wireless Communications, 2021, 20, 6298-6314.	6.1	19
143	UAV-Enabled Non-Orthogonal Multiple Access Networks for Ground-Air-Ground Communications. IEEE Transactions on Green Communications and Networking, 2022, 6, 1340-1354.	3.5	19
144	STAR-RIS Aided NOMA in Multicell Networks: A General Analytical Framework With Gamma Distributed Channel Modeling. IEEE Transactions on Communications, 2022, 70, 5629-5644.	4.9	19

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145	Modelling and analysis of low-power wide-area networks. , 2017, , .		18
146	Non-Orthogonal Multiple Access for Massive Connectivity. SpringerBriefs in Computer Science, 2020, , .	0.2	18
147	Semi-Grant-Free NOMA: Ergodic Rates Analysis With Random Deployed Users. IEEE Wireless Communications Letters, 2021, 10, 692-695.	3.2	18
148	Joint Resource, Deployment, and Caching Optimization for AR Applications in Dynamic UAV NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3409-3422.	6.1	18
149	Joint Trajectory and Resource Optimization for UAV-Aided Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 639-652.	3.9	18
150	Downlink Analysis for Reconfigurable Intelligent Surfaces Aided NOMA Networks. , 2020, , .		17
151	Performance of Downlink and Uplink Integrated Sensing and Communications (ISAC) Systems. IEEE Wireless Communications Letters, 2022, 11, 1850-1854.	3.2	17
152	Outage Performance of Cooperative NOMA Networks with Hardware Impairments. , 2018, , .		16
153	Deployment and Movement for Multiple Aerial Base Stations by Reinforcement Learning. , 2018, , .		16
154	Reconfigurable Intelligent Surface Assisted Cooperative Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2021, 69, 6750-6764.	4.9	16
155	Semi-Grant-Free NOMA: A Stochastic Geometry Model. IEEE Transactions on Wireless Communications, 2022, 21, 1197-1213.	6.1	16
156	MIMO Assisted Networks Relying on Intelligent Reflective Surfaces: A Stochastic Geometry Based Analysis. IEEE Transactions on Vehicular Technology, 2022, 71, 571-582.	3.9	16
157	A class of invisible inhomogeneous media and the control of electromagnetic waves. Physical Review B, 2016, 94, .	1.1	15
158	User Association in Non-Orthogonal Multiple Access Networks. , 2018, , .		15
159	Resource Allocation in Cache-Enabled CRAN with Non-Orthogonal Multiple Access. , 2018, , .		15
160	NOMA-Enhanced Terrestrial and Aerial IoT Networks With Partial CSI. IEEE Internet of Things Journal, 2020, 7, 3254-3266.	5.5	15
161	Machine Learning Empowered Resource Allocation in IRS Aided MISO-NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3478-3492.	6.1	15
162	Energy Efficient Resource Allocation for IRS Assisted CoMP Systems. IEEE Transactions on Wireless Communications, 2022, 21, 5688-5702.	6.1	15

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163	Computation Capacity Enhancement by Joint UAV and RIS Design in IoT. IEEE Internet of Things Journal, 2022, 9, 20590-20603.	5.5	15
164	Resource allocation for non-orthogonal multiple access in heterogeneous networks. , 2017, , .		14
165	Full/Half-Duplex Relay Selection for Cooperative NOMA Networks. , 2017, , .		14
166	Evaluation of genetic variants in ILâ€1B and its interaction with the predisposition of osteoporosis in the northwestern Chinese Han population. Journal of Gene Medicine, 2020, 22, e3214.	1.4	14
167	Over-the-Air Federated Learning and Non-Orthogonal Multiple Access Unified by Reconfigurable Intelligent Surface. , 2021, , .		14
168	Modeling and Coverage Analysis of Downlink UAV Networks with MmWave Communications. , 2019, , .		13
169	Cache-Enabled HetNets With Limited Backhaul: A Stochastic Geometry Model. IEEE Transactions on Communications, 2020, 68, 7007-7022.	4.9	13
170	A Novel Physics-Based Channel Model for Reconfigurable Intelligent Surface-Assisted Multi-User Communication Systems. IEEE Transactions on Wireless Communications, 2022, 21, 1183-1196.	6.1	13
171	Outage Performance of Downlink IRS-Assisted NOMA Systems. , 2020, , .		13
172	Robotic Communications for 5G and Beyond: Challenges and Research Opportunities. IEEE Communications Magazine, 2021, 59, 92-98.	4.9	13
173	Simultaneously Transmitting And Reflecting (STAR) RIS Assisted NOMA Systems. , 2021, , .		13
174	On the Performance of Uplink ISAC Systems. IEEE Communications Letters, 2022, 26, 1769-1773.	2.5	13
175	User Selection and Power Allocation for mmWave-NOMA Networks. , 2017, , .		12
176	A Unified Spatial Framework for Clustered UAV Networks Based on Stochastic Geometry. , 2018, , .		12
177	Sum-rate maximization guaranteeing user fairness for NOMA in fading channels. , 2018, , .		12
178	Reconfigurable Intelligence Surface Aided UAV-MEC Systems With NOMA. IEEE Communications Letters, 2022, 26, 2121-2125.	2.5	12
179	Secure D2D communication in large-scale cognitive cellular networks with wireless power transfer. , 2015, , .		11
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182	Deep Reinforcement Learning for RIS-Aided Non-Orthogonal Multiple Access Downlink Networks. , 2020, , .		11
183	A Simple Evaluation for the Secrecy Outage Probability Over Generalized-K Fading Channels. IEEE Communications Letters, 2019, 23, 1479-1483.	2.5	10
184	Semi-Grant-Free Uplink NOMA with Contention Control: A Stochastic Geometry Model. , 2020, , .		10
185	Association of GSDMC polymorphisms with lumbar disc herniation among Chinese Han population. International Journal of Immunogenetics, 2020, 47, 546-553.	0.8	10
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