

Zhi-guo Ding

List of Publications by Year in descending order

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642
papers

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3149

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g-index

645
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645
docs citations

645
times ranked

11482
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Design and Orchestration of Mobile Edge Computing With Energy Awareness. IEEE Transactions on Sustainable Computing, 2022, 7, 456-470.	2.2	5
2	Grant-Free Random Access in Machine-Type Communication: Approaches and Challenges. IEEE Wireless Communications, 2022, 29, 151-158.	6.6	29
3	Beamforming and Jamming Optimization for IRS-Aided Secure NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 1557-1569.	6.1	50
4	Semi-Grant-Free NOMA: A Stochastic Geometry Model. IEEE Transactions on Wireless Communications, 2022, 21, 1197-1213.	6.1	16
5	Hierarchical Multiple Access (HiMA) for Fog-RAN: Protocol Design and Resource Allocation. IEEE Transactions on Wireless Communications, 2022, 21, 960-975.	6.1	1
6	NOMA and Coded Multicasting in Cache-Aided Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 2506-2520.	6.1	4
7	Dynamic User Clustering and Optimal Power Allocation in UAV-Assisted Full-Duplex Hybrid NOMA System. IEEE Transactions on Wireless Communications, 2022, 21, 2573-2590.	6.1	35
8	Covert Communication in Intelligent Reflecting Surface-Assisted NOMA Systems: Design, Analysis, and Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 1735-1750.	6.1	79
9	On Sensing Performance of Multi-Antenna Mobile Cognitive Radio Conditioned on Primary User Activity Statistics. IEEE Transactions on Wireless Communications, 2022, 21, 3381-3394.	6.1	5
10	Joint Transmit Precoding and Reflect Beamforming Design for IRS-Assisted MIMO Cognitive Radio Systems. IEEE Transactions on Wireless Communications, 2022, 21, 3617-3631.	6.1	18
11	Artificial Noise Aided Secure Communications for Cooperative NOMA Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 946-963.	4.9	7
12	Deep Reinforcement Learning-Based Multidimensional Resource Management for Energy Harvesting Cognitive NOMA Communications. IEEE Transactions on Communications, 2022, 70, 3110-3125.	4.9	17
13	Joint User Grouping and Power Optimization for Secure mmWave-NOMA Systems. IEEE Transactions on Wireless Communications, 2022, 21, 3307-3320.	6.1	6
14	Reconfigurable Intelligent Surfaces Aided Multi-Cell NOMA Networks: A Stochastic Geometry Model. IEEE Transactions on Communications, 2022, 70, 951-966.	4.9	25
15	Lightwave Power Transfer in Full-Duplex NOMA Underwater Optical Wireless Communication Systems. IEEE Communications Letters, 2022, 26, 622-626.	2.5	11
16	Spectral-Energy Efficiency Trade-Off Based Design for Hybrid TDMA-NOMA System. IEEE Transactions on Vehicular Technology, 2022, 71, 3377-3382.	3.9	14
17	On the Position Optimization of IRS. IEEE Internet of Things Journal, 2022, 9, 11712-11724.	5.5	4
18	Impact of Primary User Activity Statistics in Cognitive Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2859-2873.	3.9	5

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19	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
20	Performance Analysis of UAV-Assisted Short-Packet Cooperative Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 4471-4476.	3.9	10
21	NOMA Empowered Integrated Sensing and Communication. IEEE Communications Letters, 2022, 26, 677-681.	2.5	50
22	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	6.1	45
23	NOMA Beamforming in SDMA Networks: Riding on Existing Beams or Forming New Ones?. IEEE Communications Letters, 2022, 26, 868-871.	2.5	11
24	Aerial-Terrestrial Network NOMA for Cellular-Connected UAVs. IEEE Transactions on Vehicular Technology, 2022, 71, 6559-6573.	3.9	3
25	Aerial Computing: A New Computing Paradigm, Applications, and Challenges. IEEE Internet of Things Journal, 2022, 9, 8339-8363.	5.5	38
26	A Wireless Power Transfer Assisted NOMA Transmission Scheme for 5G and Beyond mMTC. IEEE Wireless Communications Letters, 2022, 11, 1239-1242.	3.2	8
27	Cooperative Hybrid Nonorthogonal Multiple Access-Based Mobile-Edge Computing in Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1104-1117.	4.9	29
28	An SCA and Relaxation Based Energy Efficiency Optimization for Multi-User RIS-Assisted NOMA Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 6843-6847.	3.9	19
29	Secure NOMA-Based UAV-MEC Network Towards a Flying Eavesdropper. IEEE Transactions on Communications, 2022, 70, 3364-3376.	4.9	67
30	Special Issue on Next Generation Multiple Access—Part I. IEEE Journal on Selected Areas in Communications, 2022, 40, 1031-1036.	9.7	1
31	Secrecy sum rate maximization for a MIMO-NOMA uplink transmission in 6G networks. Physical Communication, 2022, 53, 101675.	1.2	12
32	Guest Editorial Special Issue on Next Generation Multiple Access—Part II. IEEE Journal on Selected Areas in Communications, 2022, 40, 1387-1391.	9.7	1
33	Design of THz-NOMA in the Presence of Beam Misalignment. IEEE Communications Letters, 2022, 26, 1678-1682.	2.5	7
34	On the Performance of Laser-Powered UAV-Assisted SWIPT Enabled Multiuser Communication Network With Hybrid NOMA. IEEE Transactions on Communications, 2022, 70, 3912-3929.	4.9	19
35	A State-of-the-Art Survey on Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Networks. Proceedings of the IEEE, 2022, 110, 1358-1379.	16.4	55
36	Outage Performance of Satellite Terrestrial Full-Duplex Relaying Networks With co-Channel Interference. IEEE Wireless Communications Letters, 2022, 11, 1478-1482.	3.2	16

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37	New Antenna Selection Schemes for Full-Duplex Cooperative MIMO-NOMA Systems. IEEE Transactions on Communications, 2022, 70, 4343-4358.	4.9	6
38	Reconfigurable Intelligent Surface-Aided Multi-User Networks: Interplay Between NOMA and RIS. IEEE Wireless Communications, 2022, 29, 169-176.	6.6	33
39	Effective Capacity Analysis of STAR-RIS-Assisted NOMA Networks. IEEE Wireless Communications Letters, 2022, 11, 1930-1934.	3.2	50
40	Effective Capacity Analysis of AmBC-NOMA Communication Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 11257-11261.	3.9	20
41	Intelligent Surface Aided D2D-V2X System for Low-Latency and High-Reliability Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 11624-11636.	3.9	11
42	A NOMA-enabled Hybrid RIS-UAV-aided Full-Duplex Communication System. , 2022, , .		3
43	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
44	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
45	Achievable Computation Rate in NOMA-Based Wireless-Powered Networks Assisted by Multiple Fog Servers. IEEE Internet of Things Journal, 2021, 8, 4802-4815.	5.5	3
46	Physical Layer Security in Cognitive Vehicular Networks. IEEE Transactions on Communications, 2021, 69, 2557-2569.	4.9	13
47	Design and Analysis of Full-Duplex Massive Antenna Array Systems Based on Wireless Power Transfer. IEEE Transactions on Communications, 2021, 69, 1302-1316.	4.9	7
48	Coordinated Direct and Relay Transmission With NOMA and Network Coding in Nakagami- m Fading Channels. IEEE Transactions on Communications, 2021, 69, 207-222.	4.9	44
49	Sparse Vector Coding-Based Multi-Carrier NOMA for In-Home Health Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 325-337.	9.7	43
50	Isolation Forest Wrapper Approach for Feature Selection in Software Defect Prediction. IOP Conference Series: Materials Science and Engineering, 2021, 1043, 032030.	0.3	1
51	IRS-Assisted Massive MIMO-NOMA Networks: Exploiting Wave Polarization. IEEE Transactions on Wireless Communications, 2021, 20, 7166-7183.	6.1	29
52	Exploiting Deep Learning for Secure Transmission in an Underlay Cognitive Radio Network. IEEE Transactions on Vehicular Technology, 2021, 70, 726-741.	3.9	15
53	Joint Active and Passive Beamforming Design for the IRS-Assisted MIMOME-OFDM Secure Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 10369-10381.	3.9	43
54	Advantages of NOMA for Multi-User BackCom Networks. IEEE Communications Letters, 2021, 25, 3408-3412.	2.5	13

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55	Performance Analysis of NOMA in Vehicular Communications Over i.n.i.d Nakagami- m Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 6254-6268.	6.1	18
56	Performance Analysis of SWIPT Enabled Cooperative-NOMA in Heterogeneous Networks Using Carrier Sensing. IEEE Transactions on Vehicular Technology, 2021, 70, 10646-10656.	3.9	28
57	Secure Content Delivery in Two-Tier Cache-Enabled mmWave Heterogeneous Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 1640-1654.	4.5	6
58	Downlink Multi-Carrier NOMA With Opportunistic Bandwidth Allocations. IEEE Wireless Communications Letters, 2021, 10, 2426-2429.	3.2	13
59	A New QoS-Guarantee Strategy for NOMA Assisted Semi-Grant-Free Transmission. IEEE Transactions on Communications, 2021, 69, 7489-7503.	4.9	36
60	On the Effective Rate of NOMA in Underlay Spectrum Sharing. IEEE Transactions on Vehicular Technology, 2021, 70, 12220-12225.	3.9	3
61	Robust 3D-Trajectory and Time Switching Optimization for Dual-UAV-Enabled Secure Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 3334-3347.	9.7	41
62	Resource Allocation for Energy-Efficient NOMA System in Coordinated Multi-Point Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 1577-1591.	3.9	5
63	Precoder Design and Statistical Power Allocation for MIMO-NOMA via User-Assisted Simultaneous Diagonalization. IEEE Transactions on Communications, 2021, 69, 929-945.	4.9	7
64	A dCDD-Based Transmit Diversity Scheme for Downlink Pseudo-NOMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 1217-1232.	6.1	3
65	Resource Allocation and Trajectory Optimization for UAV-Enabled Multi-User Covert Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 1989-1994.	3.9	30
66	Power Efficient IRS-Assisted NOMA. IEEE Transactions on Communications, 2021, 69, 900-913.	4.9	106
67	Secrecy Analysis for NOMA networks With a Full-Duplex Jamming Relay. , 2021, , .		2
68	An HARQ Assisted Cognitive NOMA Scheme for Secure Transmission With Imperfect SIC. IEEE Transactions on Communications, 2021, 69, 1930-1946.	4.9	6
69	Resource Allocation for NOMA-MEC Systems in Ultra-Dense Networks: A Learning Aided Mean-Field Game Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1487-1500.	6.1	42
70	Performance Study of Cognitive Relay NOMA Networks With Dynamic Power Transmission. IEEE Transactions on Vehicular Technology, 2021, 70, 2882-2887.	3.9	9
71	Application of NOMA for cellular-connected UAVs: opportunities and challenges. Science China Information Sciences, 2021, 64, 1.	2.7	10
72	Resource Allocation for Open-Loop Ultra-Reliable and Low-Latency Uplink Communications in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 2590-2604.	3.9	16

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73	NOMA for Energy-Efficient LiFi-Enabled Bidirectional IoT Communication. IEEE Transactions on Communications, 2021, 69, 1693-1706.	4.9	54
74	Sub-Channel Scheduling, Task Assignment, and Power Allocation for OMA-Based and NOMA-Based MEC Systems. IEEE Transactions on Communications, 2021, 69, 2692-2708.	4.9	29
75	A Collaborative Task Offloading Scheme in Vehicular Edge Computing. , 2021, , .		9
76	Semi-Grant-Free NOMA: Ergodic Rates Analysis With Random Deployed Users. IEEE Wireless Communications Letters, 2021, 10, 692-695.	3.2	18
77	Stackelberg Game of Energy Consumption and Latency in MEC Systems With NOMA. IEEE Transactions on Communications, 2021, 69, 2191-2206.	4.9	33
78	Hardware Impaired Ambient Backscatter NOMA Systems: Reliability and Security. IEEE Transactions on Communications, 2021, 69, 2723-2736.	4.9	162
79	DRL-Assisted Resource Allocation for NOMA-MEC Offloading with Hybrid SIC. Entropy, 2021, 23, 613.	1.1	13
80	A New Design of Hybrid SIC for Improving Transmission Robustness in Uplink NOMA. IEEE Transactions on Vehicular Technology, 2021, 70, 5083-5087.	3.9	28
81	On the Performance of Downlink NOMA in Underlay Spectrum Sharing. IEEE Transactions on Vehicular Technology, 2021, 70, 4523-4540.	3.9	22
82	Design and Evaluation of Buffer-Aided Cooperative NOMA With Direct Transmission in IoT. IEEE Internet of Things Journal, 2021, 8, 8145-8158.	5.5	11
83	Harvesting Devicesâ€™ Heterogeneous Energy Profiles and QoS Requirements in IoT: WPT-NOMA vs BAC-NOMA. IEEE Transactions on Communications, 2021, 69, 2837-2850.	4.9	27
84	Energy-Efficient Resource Allocation for NOMA-MEC Networks With Imperfect CSI. IEEE Transactions on Communications, 2021, 69, 3436-3449.	4.9	49
85	Interference Cancellation via D2D CSI Sharing for MU-MISO-NOMA System With Limited Feedback. IEEE Transactions on Vehicular Technology, 2021, 70, 4569-4584.	3.9	6
86	When Mobile-Edge Computing (MEC) Meets Nonorthogonal Multiple Access (NOMA) for the Internet of Things (IoT): System Design and Optimization. IEEE Internet of Things Journal, 2021, 8, 7849-7862.	5.5	25
87	Low-Complexity Linear Equalization for OTFS Systems with Rectangular Waveforms. , 2021, , .		16
88	Cross Validation Aided Approximated Message Passing Algorithm for User Identification in mMTC. IEEE Communications Letters, 2021, 25, 2077-2081.	2.5	3
89	IRS-Assisted Massive MIMO-NOMA Networks with Polarization Diversity. , 2021, , .		2
90	GSVD-Based MIMO-NOMA Security Transmission. IEEE Wireless Communications Letters, 2021, 10, 1484-1487.	3.2	4

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91	Energy-Constrained UAV Data Collection Systems: NOMA and OMA. IEEE Transactions on Vehicular Technology, 2021, 70, 6898-6912.	3.9	21
92	NOMA for Next-Generation Massive IoT: Performance Potential and Technology Directions. IEEE Communications Magazine, 2021, 59, 115-121.	4.9	64
93	Secure Non-Orthogonal Multiple Access: An Interference Engineering Perspective. IEEE Network, 2021, 35, 278-285.	4.9	31
94	Joint Optimization of Beamforming, Phase-Shifting and Power Allocation in a Multi-Cluster IRS-NOMA Network. IEEE Transactions on Vehicular Technology, 2021, 70, 7705-7717.	3.9	52
95	On the Outage Performance of Network NOMA (N-NOMA) Modeled by Poisson Line Cox Point Process. IEEE Transactions on Vehicular Technology, 2021, 70, 7936-7950.	3.9	13
96	On the Application of BAC-NOMA to 6G umMTC. IEEE Communications Letters, 2021, 25, 2678-2682.	2.5	36
97	Secrecy Analysis in NOMA Full-Duplex Relaying Networks With Artificial Jamming. IEEE Transactions on Vehicular Technology, 2021, 70, 8781-8794.	3.9	12
98	Energy Harvesting and Resource Allocation for Cache-Enabled UAV Based IoT NOMA Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9625-9630.	3.9	17
99	No-Pain No-Gain: DRL Assisted Optimization in Energy-Constrained CR-NOMA Networks. IEEE Transactions on Communications, 2021, 69, 5917-5932.	4.9	30
100	Interference-Aware NOMA for Cellular-Connected UAVs: Stochastic Geometry Analysis. IEEE Journal on Selected Areas in Communications, 2021, 39, 3067-3080.	9.7	16
101	Reconfigurable Intelligent Surfaces: Potentials, Applications, and Challenges for 6G Wireless Networks. IEEE Wireless Communications, 2021, 28, 184-191.	6.6	87
102	A Joint Beamforming and Power-Splitter Optimization Technique for SWIPT in MISO-NOMA System. IEEE Access, 2021, 9, 33018-33029.	2.6	3
103	Height Optimization and Resource Allocation for NOMA Enhanced UAV-Aided Relay Networks. IEEE Transactions on Communications, 2021, 69, 962-975.	4.9	48
104	Secure Beamforming Optimization for IRS-NOMA Networks via Artificial Jamming. , 2021, , .		3
105	Achieving Covert Communication by IRS-NOMA. , 2021, , .		6
106	Analog Beamforming mm-Wave Two User Non-Orthogonal Multiple Access. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 66-76.	0.2	1
107	Transmit Power Minimization for IRS-Assisted Cooperative NOMA Networks With SWIPT. , 2021, , .		1
108	Power Optimization for Secure mmWave-NOMA Network with Hybrid SU-CU Grouping. , 2021, , .		1

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109	Game Combined Multi-Agent Reinforcement Learning Approach for UAV Assisted Offloading. IEEE Transactions on Vehicular Technology, 2021, 70, 12888-12901.	3.9	29
110	Simultaneously Transmitting And Reflecting (STAR) RIS Assisted NOMA Systems. , 2021, , .		13
111	Secure Transmission via Beamforming Optimization for NOMA Networks. IEEE Wireless Communications, 2020, 27, 193-199.	6.6	47
112	Full-Duplex Cooperative NOMA Relaying Systems With I/Q Imbalance and Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 17-20.	3.2	123
113	A Meta-Learning Framework for Learning Multi-User Preferences in QoE Optimization of DASH. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3210-3225.	5.6	3
114	Non-Orthogonal Multiple Access for Massive Connectivity. SpringerBriefs in Computer Science, 2020, , .	0.2	18
115	Next-Generation mm-Wave Small-Cell Networks: Multiple Access, Caching, and Resource Management. IEEE Vehicular Technology Magazine, 2020, 15, 46-53.	2.8	2
116	Residual Transceiver Hardware Impairments on Cooperative NOMA Networks. IEEE Transactions on Wireless Communications, 2020, 19, 680-695.	6.1	239
117	Secrecy-Enhancing Design for Cooperative Downlink and Uplink NOMA With an Untrusted Relay. IEEE Transactions on Communications, 2020, 68, 1698-1715.	4.9	72
118	Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. IEEE Transactions on Vehicular Technology, 2020, 69, 1117-1121.	3.9	92
119	Massive MIMO-NOMA Networks With Successive Sub-Array Activation. IEEE Transactions on Wireless Communications, 2020, 19, 1622-1635.	6.1	8
120	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. IEEE Transactions on Communications, 2020, 68, 1271-1283.	4.9	47
121	Robust Beamforming Design for OTFS-NOMA. IEEE Open Journal of the Communications Society, 2020, 1, 33-40.	4.4	20
122	Joint resource allocation for hybrid NOMA-assisted MEC in 6G networks. Digital Communications and Networks, 2020, 6, 241-252.	2.7	30
123	Optimal Resource Allocation for Delay Minimization in NOMA-MEC Networks. IEEE Transactions on Communications, 2020, 68, 7867-7881.	4.9	117
124	Adaptive UAV-Trajectory Optimization Under Quality of Service Constraints: A Model-Free Solution. IEEE Access, 2020, 8, 112253-112265.	2.6	29
125	Optimizing Weighted-Sum Energy Efficiency in Downlink and Uplink NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 11112-11127.	3.9	13
126	Spectral-Energy Efficiency Trade-Off-Based Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6593-6606.	6.1	21

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127	Impact of Receiver Orientation on Full-Duplex Relay Aided NOMA Underwater Optical Wireless Systems. , 2020, , .		5
128	On the Design of NOMA Assisted Multi-Antenna Two-Way Relay Systems. , 2020, , .		3
129	Securing Aerial-Ground Transmission for NOMA-UAV Networks. IEEE Network, 2020, 34, 171-177.	4.9	27
130	Unveiling the Importance of SIC in NOMA Systemsâ€”Part II: New Results and Future Directions. IEEE Communications Letters, 2020, 24, 2378-2382.	2.5	43
131	Unveiling the Importance of SIC in NOMA Systemsâ€”Part 1: State of the Art and Recent Findings. IEEE Communications Letters, 2020, 24, 2373-2377.	2.5	138
132	Power Minimization for Multi-Cell Uplink NOMA With Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 2030-2034.	3.2	31
133	Secure Cooperative Hybrid VLC-RF Systems. IEEE Transactions on Wireless Communications, 2020, 19, 7097-7107.	6.1	20
134	Cooperative NOMA: State of the Art, Key Techniques, and Open Challenges. IEEE Network, 2020, 34, 205-211.	4.9	55
135	Successive Sub-Array Activation for Massive MIMO-NOMA Networks. , 2020, , .		0
136	Diversity Gain Analysis of Distributed CDD Systems in Non-Identical Fading Channels. IEEE Transactions on Communications, 2020, 68, 7218-7231.	4.9	4
137	Power Allocation for Secure Transmission in Circular Trajectory NOMA-UAV Networks. , 2020, , .		1
138	The Distribution Characteristics of Ordered GSVD Singular Values and its Applications in MIMO-NOMA. IEEE Communications Letters, 2020, 24, 2719-2722.	2.5	4
139	A dCDD-Based Transmit Diversity for NOMA Systems. , 2020, , .		1
140	Energy-Efficient Design of IRS-NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 14088-14092.	3.9	174
141	NOMA-Assisted Secure Short-Packet Communications in IoT. IEEE Wireless Communications, 2020, 27, 8-15.	6.6	74
142	Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. IEEE Transactions on Vehicular Technology, 2020, 69, 12301-12305.	3.9	19
143	What Role Do Intelligent Reflecting Surfaces Play in Multi-Antenna Non-Orthogonal Multiple Access?. IEEE Wireless Communications, 2020, 27, 24-31.	6.6	69
144	Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. IEEE Transactions on Vehicular Technology, 2020, 69, 14001-14006.	3.9	11

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145	Robust Non-Orthogonal Multiple Access for Aerial and Ground Users. IEEE Transactions on Wireless Communications, 2020, 19, 4793-4805.	6.1	21
146	On the Impact of Phase Shifting Designs on IRS-NOMA. IEEE Wireless Communications Letters, 2020, 9, 1596-1600.	3.2	143
147	Resource Allocation for Hybrid NOMA MEC Offloading. IEEE Transactions on Wireless Communications, 2020, 19, 4964-4977.	6.1	57
148	Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8008-8012.	3.9	13
149	Massive MIMO-Assisted Mobile Edge Computing: Exciting Possibilities for Computation Offloading. IEEE Vehicular Technology Magazine, 2020, 15, 31-38.	2.8	21
150	Outage Constrained Power Efficient Design for Downlink NOMA Systems With Partial HARQ. IEEE Transactions on Communications, 2020, 68, 5188-5201.	4.9	16
151	Performance analysis of discrete wavelet transform for downlink non-orthogonal multiple access in 5G networks. IET Communications, 2020, 14, 1666-1674.	1.5	6
152	Energy Efficiency Optimization for Secure Transmission in a MIMO-NOMA System. , 2020, , .		3
153	Mapping grid based online taxi anomalous trajectory detection. International Journal of Systems Science, 2020, 51, 1589-1603.	3.7	4
154	Secure Transmission in a NOMA-Assisted IoT Network With Diversified Communication Requirements. IEEE Internet of Things Journal, 2020, 7, 11157-11169.	5.5	39
155	A Survey of Multi-Access Edge Computing in 5G and Beyond: Fundamentals, Technology Integration, and State-of-the-Art. IEEE Access, 2020, 8, 116974-117017.	2.6	493
156	Opportunistic Adaptive Non-Orthogonal Multiple Access in Multiuser Wireless Systems: Probabilistic User Scheduling and Performance Analysis. IEEE Transactions on Wireless Communications, 2020, 19, 6065-6082.	6.1	12
157	Adaptive Power Allocation for Uplink Non-Orthogonal Multiple Access With Semi-Grant-Free Transmission. IEEE Wireless Communications Letters, 2020, 9, 1725-1729.	3.2	21
158	Massive MIMO-NOMA Networks With Imperfect SIC: Design and Fairness Enhancement. IEEE Transactions on Wireless Communications, 2020, 19, 6100-6115.	6.1	60
159	Secrecy Energy Efficiency in Multi-Antenna SWIPT Networks With Dual-Layer PS Receivers. IEEE Transactions on Wireless Communications, 2020, 19, 4290-4306.	6.1	16
160	A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4548-4552.	3.9	16
161	Multi-Antenna Two-Way Relay Based Cooperative NOMA. IEEE Transactions on Wireless Communications, 2020, 19, 6486-6503.	6.1	28
162	Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 10925-10936.	3.9	34

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163	Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. IEEE Transactions on Vehicular Technology, 2020, 69, 12286-12290.	3.9	120
164	Security Provisioning for Non-Orthogonal Multiple Access Networks With Limited Feedback. IEEE Wireless Communications Letters, 2020, 9, 1226-1229.	3.2	3
165	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. IEEE Transactions on Vehicular Technology, 2020, 69, 10033-10045.	3.9	23
166	A Simple Design of IRS-NOMA Transmission. IEEE Communications Letters, 2020, 24, 1119-1123.	2.5	313
167	Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 4503-4507.	3.9	20
168	On Optimal Beamforming Design for Downlink MISO NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3008-3020.	3.9	30
169	Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. IEEE Transactions on Vehicular Technology, 2020, 69, 3470-3475.	3.9	16
170	UAV-Aided Multi-Way NOMA Networks With Residual Hardware Impairments. IEEE Wireless Communications Letters, 2020, 9, 1538-1542.	3.2	72
171	Secure Transmission Design in HARQ Assisted Cognitive NOMA Networks. IEEE Transactions on Information Forensics and Security, 2020, 15, 2528-2541.	4.5	48
172	Deep Learning-Based Sum Data Rate and Energy Efficiency Optimization for MIMO-NOMA Systems. IEEE Transactions on Wireless Communications, 2020, 19, 5373-5388.	6.1	51
173	What Is NOMA?. SpringerBriefs in Computer Science, 2020, , 7-12.	0.2	1
174	Sustainability of NOMA. SpringerBriefs in Computer Science, 2020, , 45-65.	0.2	0
175	Full-Duplex Non-Orthogonal Multiple Access Systems. , 2020, , 181-218.		0
176	UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. IEEE Transactions on Vehicular Technology, 2020, 69, 16276-16281.	3.9	8
177	Application of GSVD-based precoding in MIMO-NOMA relaying systems. IET Communications, 2020, 14, 3802-3812.	1.5	1
178	Downlink NOMA for Coexistence of Aerial and Terrestrial Users: Stochastic Geometry Analysis. , 2020, , .		0
179	Efficient Beamforming Design for Cellular Networks with Energy-Constrained Devices. , 2020, , 381-390.		0
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