

Arumugam Nallanathan

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Secure Transmission for Multi-UAV-Assisted Mobile Edge Computing Based on Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2023, 10, 1270-1282.	6.4	38
2	Computational Intelligence and Deep Learning for Next-Generation Edge-Enabled Industrial IoT. IEEE Transactions on Network Science and Engineering, 2023, 10, 2881-2893.	6.4	38
3	Deep Reinforcement Learning Based Dynamic Trajectory Control for UAV-Assisted Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2022, 21, 3536-3550.	5.8	76
4	Intelligent Reflecting Surface-Assisted mmWave Communication With Lens Antenna Array. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 202-215.	7.9	10
5	Secure Mobile Edge Computing Networks in the Presence of Multiple Eavesdroppers. IEEE Transactions on Communications, 2022, 70, 500-513.	7.8	31
6	Joint Resource, Deployment, and Caching Optimization for AR Applications in Dynamic UAV NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3409-3422.	9.2	18
7	System Optimization of Federated Learning Networks With a Constrained Latency. IEEE Transactions on Vehicular Technology, 2022, 71, 1095-1100.	6.3	27
8	Beamforming-Based Mitigation of Hovering Inaccuracy in UAV-Aided RFET. IEEE Transactions on Communications, 2022, 70, 2691-2706.	7.8	1
9	Energy Efficient User Association, Resource Allocation and Caching Deployment in Fog Radio Access Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1846-1856.	6.3	9
10	Optimization of Grant-Free NOMA With Multiple Configured-Grants for mMURLLC. IEEE Journal on Selected Areas in Communications, 2022, 40, 1222-1236.	14.0	16
11	Toward Optimally Efficient Search With Deep Learning for Large-Scale MIMO Systems. IEEE Transactions on Communications, 2022, 70, 3157-3168.	7.8	18
12	Two Time-Scale Caching Placement and User Association in Dynamic Cellular Networks. IEEE Transactions on Communications, 2022, 70, 2561-2574.	7.8	8
13	UAV Relay Assisted Cooperative Jamming for Covert Communications Over Rician Fading. IEEE Transactions on Vehicular Technology, 2022, 71, 7936-7941.	6.3	17
14	An Emergent Self-Awareness Module for Physical Layer Security in Cognitive UAV Radios. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 888-906.	7.9	7
15	Self-Adapting Handover Parameters Optimization for SDN-Enabled UDN. IEEE Transactions on Wireless Communications, 2022, 21, 6434-6447.	9.2	13
16	A Trellis-Based Passive Beamforming Design for an Intelligent Reflecting Surface-Aided MISO System. IEEE Communications Letters, 2022, 26, 1071-1075.	4.1	9
17	IRS Empowered UAV Wireless Communication With Resource Allocation, Reflecting Design and Trajectory Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 7867-7880.	9.2	13
18	Secure NOMA-Based UAV-MEC Network Towards a Flying Eavesdropper. IEEE Transactions on Communications, 2022, 70, 3364-3376.	7.8	67

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19	Outdated Access Point Selection for Mobile Edge Computing With Cochannel Interference. IEEE Transactions on Vehicular Technology, 2022, 71, 7445-7455.	6.3	37
20	Joint Precoder, Reflection Coefficients, and Equalizer Design for IRS-Assisted MIMO Systems. IEEE Transactions on Communications, 2022, 70, 4146-4161.	7.8	10
21	Downlink Multi-RIS Aided Transmission in Backhaul Limited Networks. IEEE Wireless Communications Letters, 2022, 11, 1458-1462.	5.0	8
22	Joint Optimization of Caching Placement and Trajectory for UAV-D2D Networks. IEEE Transactions on Communications, 2022, 70, 5514-5527.	7.8	20
23	Dilated Convolution Based CSI Feedback Compression for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 11216-11221.	6.3	38
24	Double QoS Guarantee for NOMA-Enabled Massive MTC Networks. IEEE Internet of Things Journal, 2022, 9, 22657-22668.	8.7	2
25	STAR-RIS Aided NOMA in Multicell Networks: A General Analytical Framework With Gamma Distributed Channel Modeling. IEEE Transactions on Communications, 2022, 70, 5629-5644.	7.8	19
26	A Novel Resource Allocation for Anti-Jamming in Cognitive-UAVs: An Active Inference Approach. IEEE Communications Letters, 2022, 26, 2272-2276.	4.1	2
27	Placement Optimization of UAV Relaying for Covert Communication. IEEE Transactions on Vehicular Technology, 2022, 71, 12327-12332.	6.3	2
28	Federated Learning Enabled Channel Estimation for RIS-Aided Multi-User Wireless Systems. , 2022, , .		2
29	Fairness-Aware Throughput Maximization for Underlying Cognitive NOMA Networks. IEEE Systems Journal, 2021, 15, 1881-1892.	4.6	10
30	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. IEEE Internet of Things Journal, 2021, 8, 1623-1635.	8.7	17
31	Packet Error Probability and Effective Throughput for Ultra-Reliable and Low-Latency UAV Communications. IEEE Transactions on Communications, 2021, 69, 73-84.	7.8	48
32	Fifty Years of Noise Modeling and Mitigation in Power-Line Communications. IEEE Communications Surveys and Tutorials, 2021, 23, 41-69.	39.4	23
33	RACH in Self-Powered NB-IoT Networks: Energy Availability and Performance Evaluation. IEEE Transactions on Communications, 2021, 69, 1750-1764.	7.8	3
34	Green Deep Reinforcement Learning for Radio Resource Management: Architecture, Algorithm Compression, and Challenges. IEEE Vehicular Technology Magazine, 2021, 16, 29-39.	3.4	19
35	Opportunistic Access Point Selection for Mobile Edge Computing Networks. IEEE Transactions on Wireless Communications, 2021, 20, 695-709.	9.2	41
36	Analysis of Random Access in NB-IoT Networks With Three Coverage Enhancement Groups: A Stochastic Geometry Approach. IEEE Transactions on Wireless Communications, 2021, 20, 549-564.	9.2	17

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37	A Decoupled Learning Strategy for Massive Access Optimization in Cellular IoT Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 668-685.	14.0	24
38	Analyzing Grant-Free Access for URLLC Service. IEEE Journal on Selected Areas in Communications, 2021, 39, 741-755.	14.0	85
39	Transmit Power Pool Design for Grant-Free NOMA-IoT Networks via Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2021, 20, 7626-7641.	9.2	28
40	Dynamic Offloading for Multiuser Multi-CAP MEC Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 2922-2927.	6.3	93
41	Traffic Prediction and Random Access Control Optimization: Learning and Non-Learning-Based Approaches. IEEE Communications Magazine, 2021, 59, 16-22.	6.1	13
42	Robust Transmission Design for Intelligent Reflecting Surface-Aided Secure Communication Systems With Imperfect Cascaded CSI. IEEE Transactions on Wireless Communications, 2021, 20, 2487-2501.	9.2	120
43	Signal Fractions Analysis and Safety-Distance Modeling in V2V Inter-Lane Communications. IEEE Communications Letters, 2021, 25, 1387-1390.	4.1	1
44	Low-Complexity Robust Beamforming Design for IRS-Aided MISO Systems With Imperfect Channels. IEEE Communications Letters, 2021, 25, 1697-1701.	4.1	32
45	Dynamic Computation Offloading for MIMO Mobile Edge Computing Systems With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2021, 70, 5172-5177.	6.3	26
46	Learning-Based Signal Detection for MIMO Systems With Unknown Noise Statistics. IEEE Transactions on Communications, 2021, 69, 3025-3038.	7.8	42
47	Transmit Power Pool Design for Uplink IoT Networks with Grant-free NOMA. , 2021, , .		2
48	Sub-Nyquist spectrum sensing and learning challenge. Frontiers of Computer Science, 2021, 15, 1.	2.4	2
49	Machine Learning for Massive Industrial Internet of Things. IEEE Wireless Communications, 2021, 28, 81-87.	9.0	22
50	Multi-Antenna Covert Communication via Full-Duplex Jamming Against a Warden With Uncertain Locations. IEEE Transactions on Wireless Communications, 2021, 20, 5467-5480.	9.2	26
51	Resource Allocation in Uplink NOMA-IoT Networks: A Reinforcement-Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 5083-5098.	9.2	47
52	Resource Allocation for Intelligent Reflecting Surface Aided Wireless Powered Mobile Edge Computing in OFDM Systems. IEEE Transactions on Wireless Communications, 2021, 20, 5389-5407.	9.2	103
53	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.	5.5	49
54	AoA-Based Pilot Assignment in Massive MIMO Systems Using Deep Reinforcement Learning. IEEE Communications Letters, 2021, 25, 2948-2952.	4.1	9

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55	Multiobjective Optimization for Integrated Ground-Air-Space Networks: Current Research and Future Challenges. IEEE Vehicular Technology Magazine, 2021, 16, 88-98.	3.4	11
56	Stochastic Game Based Cooperative Alternating Q-Learning Caching in Dynamic D2D Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 13255-13269.	6.3	10
57	Automatic Modulation Classification in Cognitive-IoT Radios using Generalized Dynamic Bayesian Networks. , 2021, , .		5
58	Reliable Reinforcement Learning Based NOMA Schemes for URLLC. , 2021, , .		1
59	Multi-Agent Reinforcement Learning-Based Resource Allocation for UAV Networks. IEEE Transactions on Wireless Communications, 2020, 19, 729-743.	9.2	296
60	Residual Transceiver Hardware Impairments on Cooperative NOMA Networks. IEEE Transactions on Wireless Communications, 2020, 19, 680-695.	9.2	239
61	Secure Communications in a Unified Non-Orthogonal Multiple Access Framework. IEEE Transactions on Wireless Communications, 2020, 19, 2163-2178.	9.2	57
62	Energy Efficient Multicast Precoding for Multiuser Multibeam Satellite Communications. IEEE Wireless Communications Letters, 2020, 9, 567-570.	5.0	22
63	Throughput Maximization for Full-Duplex UAV Aided Small Cell Wireless Systems. IEEE Wireless Communications Letters, 2020, 9, 475-479.	5.0	33
64	Joint Power and Blocklength Optimization for URLLC in a Factory Automation Scenario. IEEE Transactions on Wireless Communications, 2020, 19, 1786-1801.	9.2	115
65	CSI-Independent Non-Linear Signal Detection in Molecular Communications. IEEE Transactions on Signal Processing, 2020, 68, 97-112.	5.3	14
66	Adaptive UAV-Trajectory Optimization Under Quality of Service Constraints: A Model-Free Solution. IEEE Access, 2020, 8, 112253-112265.	4.2	29
67	Chemical Reactions-Based Microfluidic Transmitter and Receiver Design for Molecular Communication. IEEE Transactions on Communications, 2020, 68, 5590-5605.	7.8	15
68	Reinforcement Learning for User Clustering in NOMA-Enabled Uplink IoT. , 2020, , .		7
69	Cache-Enabling UAV Communications: Network Deployment and Resource Allocation. IEEE Transactions on Wireless Communications, 2020, 19, 7470-7483.	9.2	59
70	Deep Reinforcement Learning for Discrete and Continuous Massive Access Control optimization. , 2020, , .		7
71	QoE Based Network Deployment and Caching Placement for Cache-Enabling UAV Networks. , 2020, , .		8
72	Content-Centric Mobile Edge Caching. IEEE Access, 2020, 8, 11722-11731.	4.2	22

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73	Energy-Efficient Resource Allocation and Trajectory Design for UAV Relaying Systems. IEEE Transactions on Communications, 2020, 68, 6483-6498.	7.8	48
74	Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 12897-12911.	6.3	47
75	A Framework of Robust Transmission Design for IRS-Aided MISO Communications With Imperfect Cascaded Channels. IEEE Transactions on Signal Processing, 2020, 68, 5092-5106.	5.3	269
76	Artificial-Noise-Aided Secure MIMO Wireless Communications via Intelligent Reflecting Surface. IEEE Transactions on Communications, 2020, 68, 7851-7866.	7.8	202
77	Intelligent Reflecting Surface Aided Multigroup Multicast MISO Communication Systems. IEEE Transactions on Signal Processing, 2020, 68, 3236-3251.	5.3	198
78	Outage Behaviors of NOMA-Based Satellite Network Over Shadowed-Rician Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 6818-6821.	6.3	69
79	Multicell MIMO Communications Relying on Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2020, 19, 5218-5233.	9.2	589
80	Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 8003-8007.	6.3	61
81	Deployment Model and Performance Analysis of Clustered D2D Caching Networks Under Cluster-Centric Caching Strategy. IEEE Transactions on Communications, 2020, 68, 4933-4945.	7.8	14
82	Resource Allocation for Secure URLLC in Mission-Critical IoT Scenarios. IEEE Transactions on Communications, 2020, 68, 5793-5807.	7.8	81
83	Robust Beamforming Design for Intelligent Reflecting Surface Aided MISO Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 1658-1662.	5.0	185
84	Intelligent Reflecting Surface Aided MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2020, 38, 1719-1734.	14.0	507
85	QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 5661-5665.	6.3	4
86	Joint Pilot and Payload Power Allocation for Massive-MIMO-Enabled URLLC IIoT Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 816-830.	14.0	88
87	Latency Minimization for Intelligent Reflecting Surface Aided Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2020, 38, 2666-2682.	14.0	305
88	Secrecy Analysis of Ambient Backscatter NOMA Systems Under I/Q Imbalance. IEEE Transactions on Vehicular Technology, 2020, 69, 12286-12290.	6.3	120
89	Energy-Saving UAV-Assisted Multiuser Communications With Massive MIMO Hybrid Beamforming. IEEE Communications Letters, 2020, 24, 1100-1104.	4.1	22
90	Coverage Analysis of mmWave Networks With Cooperative NOMA Systems. IEEE Communications Letters, 2020, 24, 1544-1547.	4.1	4

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91	Clustered UAV Networks With Millimeter Wave Communications: A Stochastic Geometry View. IEEE Transactions on Communications, 2020, 68, 4342-4357.	7.8	33
92	Robust Beamforming Optimization for Intelligent Reflecting Surface Aided Cognitive Radio Networks. , 2020, , .		10
93	UAV-Aided Multi-Way NOMA Networks With Residual Hardware Impairments. IEEE Wireless Communications Letters, 2020, 9, 1538-1542.	5.0	72
94	Transmit Power Minimization for Secure Short-packet Transmission in a Mission-Critical IoT Scenario. , 2020, , .		1
95	Robust Transmission Design for Intelligent Reflecting Surface Aided Secure Communications. , 2020, , .		4
96	Channel Estimation and Self-Positioning for UAV Swarm. IEEE Transactions on Communications, 2019, 67, 7994-8007.	7.8	16
97	Secure Cache-Aided Multi-Relay Networks in the Presence of Multiple Eavesdroppers. IEEE Transactions on Communications, 2019, 67, 7672-7685.	7.8	75
98	Secrecy Outage Performance of a Unified Non-Orthogonal Multiple Access Framework. , 2019, , .		1
99	The Application of Multi-Agent Reinforcement Learning in UAV Networks. , 2019, , .		19
100	Resource Allocation for URLLC in 5G Mission-Critical IoT Networks. , 2019, , .		19
101	Index Detection Based Channel Estimation for Hybrid Massive MIMO MmWave Systems. , 2019, , .		0
102	Markov Model Based Energy Harvesting for RACH Analysis in NB-IoT Network. , 2019, , .		3
103	Joint Impact of Hardware Impairments and Imperfect Channel State Information on Multi-Relay Networks. IEEE Access, 2019, 7, 72358-72375.	4.2	9
104	User Association and Power Allocation for Multi-Cell Non-Orthogonal Multiple Access Networks. IEEE Transactions on Wireless Communications, 2019, 18, 5284-5298.	9.2	56
105	A Unified Spatial Framework for UAV-Aided MmWave Networks. IEEE Transactions on Communications, 2019, 67, 8801-8817.	7.8	72
106	Weighted Sum-Rate Maximization for the Ultra-Dense User-Centric TDD C-RAN Downlink Relying on Imperfect CSI. IEEE Transactions on Wireless Communications, 2019, 18, 1182-1198.	9.2	32
107	Artificial Intelligence-Based Resource Allocation in Ultradense Networks: Applying Event-Triggered Q-Learning Algorithms. IEEE Vehicular Technology Magazine, 2019, 14, 56-63.	3.4	27
108	Online Supervised Learning for Traffic Load Prediction in Framed-ALOHA Networks. IEEE Communications Letters, 2019, 23, 1778-1782.	4.1	21

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109	Achievable Data Rate for URLLC-Enabled UAV Systems With 3-D Channel Model. IEEE Wireless Communications Letters, 2019, 8, 1587-1590.	5.0	82
110	Ergodic Rate Analysis of Cooperative Ambient Backscatter Communication. IEEE Wireless Communications Letters, 2019, 8, 1679-1682.	5.0	30
111	Energy-Efficient Subchannel Matching and Power Allocation in NOMA Autonomous Driving Vehicular Networks. IEEE Wireless Communications, 2019, 26, 88-93.	9.0	30
112	Performance Analysis of Cooperative Aerial Base Station-Assisted Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2019, 18, 5983-5999.	9.2	8
113	Interference Mitigation in Large-Scale Multiuser Molecular Communication. IEEE Transactions on Communications, 2019, 67, 4088-4103.	7.8	18
114	Cooperative Deep Reinforcement Learning for Multiple-group NB-IoT Networks Optimization. , 2019, , .		16
115	Impact of Intermediate Nanomachines in Multiple Cooperative Nanomachine-Assisted Diffusion Advection Mobile Molecular Communication. IEEE Transactions on Communications, 2019, 67, 4856-4871.	7.8	20
116	Robust Beamforming Design for Ultra-Dense User-Centric C-RAN in the Face of Realistic Pilot Contamination and Limited Feedback. IEEE Transactions on Wireless Communications, 2019, 18, 780-795.	9.2	33
117	Clustered Millimeter-Wave Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2019, 67, 4350-4364.	7.8	39
118	Analyzing Power Beacon Assisted Multi-Source Transmission Using Markov Chain. IEEE Access, 2019, 7, 3486-3499.	4.2	2
119	Reinforcement Learning for Real-Time Optimization in NB-IoT Networks. IEEE Journal on Selected Areas in Communications, 2019, 37, 1424-1440.	14.0	73
120	Performance Analysis of FD-NOMA-Based Decentralized V2X Systems. IEEE Transactions on Communications, 2019, 67, 5024-5036.	7.8	109
121	Joint Task Assignment and Resource Allocation for D2D-Enabled Mobile-Edge Computing. IEEE Transactions on Communications, 2019, 67, 4193-4207.	7.8	152
122	Channel Estimation and Transmission Strategy for Hybrid mmWave NOMA Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 584-596.	10.8	15
123	Joint Trajectory and Communication Design for Secure UAV Networks. IEEE Communications Letters, 2019, 23, 636-639.	4.1	55
124	Joint Blocklength and Location Optimization for URLLC-Enabled UAV Relay Systems. IEEE Communications Letters, 2019, 23, 498-501.	4.1	149
125	Security-Aware Cross-Layer Resource Allocation for Heterogeneous Wireless Networks. IEEE Transactions on Communications, 2019, 67, 1388-1399.	7.8	17
126	Impact of Interbranch Correlation on Multichannel Spectrum Sensing With SC and SSC Diversity Combining Schemes. IEEE Transactions on Vehicular Technology, 2019, 68, 456-470.	6.3	11

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127	UAV Communications Based on Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2019, 26, 52-57.	9.0	198
128	Joint Precoding Optimization for Secure Transmission in Downlink MISO-NOMA Networks. , 2019, , .		0
129	Distributed DNN Based User Association and Resource Optimization in mmWave Networks. , 2019, , .		3
130	Coverage Analysis for mmWave-Enabled V2X Networks via Stochastic Geometry. , 2019, , .		5
131	User Association and Power Allocation Based on Q-Learning in Ultra Dense Heterogeneous Networks. , 2019, , .		14
132	Random Access Performance for Three Coverage Enhancement Groups in NB-IoT Networks. , 2019, , .		5
133	Stochastic Geometry Modeling of Cellular V2X Communication Over Shared Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 11873-11887.	6.3	45
134	Performance Analysis of Decentralized V2X System with FD-NOMA. , 2019, , .		7
135	Modeling and Analysis of MmWave V2X Networks With Vehicular Platoon Systems. IEEE Journal on Selected Areas in Communications, 2019, 37, 2851-2866.	14.0	42
136	Caching Unmanned Aerial Vehicle-Enabled Small-Cell Networks: Employing Energy-Efficient Methods That Store and Retrieve Popular Content. IEEE Vehicular Technology Magazine, 2019, 14, 71-79.	3.4	54
137	Joint Power, Altitude, Location and Bandwidth Optimization for UAV With Underlaid D2D Communications. IEEE Wireless Communications Letters, 2019, 8, 524-527.	5.0	39
138	Spectrum Detection and Link Quality Assessment for Heterogeneous Shared Access Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1431-1445.	6.3	10
139	X-FDR: A Cross-Layer Routing Protocol for Multihop Full-Duplex Wireless Networks. IEEE Wireless Communications, 2019, 26, 70-77.	9.0	4
140	Two-Level Transmission Scheme for Cache-Enabled Fog Radio Access Networks. IEEE Transactions on Communications, 2019, 67, 445-456.	7.8	19
141	Sensitivity and Asymptotic Analysis of Inter-Cell Interference Against Pricing for Multi-Antenna Base Stations. IEEE Transactions on Communications, 2018, 66, 1758-1771.	7.8	1
142	Optimal User Scheduling and Power Allocation for Millimeter Wave NOMA Systems. IEEE Transactions on Wireless Communications, 2018, 17, 1502-1517.	9.2	181
143	Spatially Random Relay Selection for Full/Half-Duplex Cooperative NOMA Networks. IEEE Transactions on Communications, 2018, 66, 3294-3308.	7.8	77
144	SMIET: Simultaneous Molecular Information and Energy Transfer. IEEE Wireless Communications, 2018, 25, 106-113.	9.0	25

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145	RACH Preamble Repetition in NB-IoT Network. IEEE Communications Letters, 2018, 22, 1244-1247.	4.1	52
146	Iterative LMMSE Individual Channel Estimation Over Relay Networks With Multiple Antennas. IEEE Transactions on Vehicular Technology, 2018, 67, 423-435.	6.3	14
147	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.	9.2	43
148	Iterative Demodulation and Decoding Algorithm for 3GPP/LTE-A MIMO-OFDM Using Distribution Approximation. IEEE Transactions on Wireless Communications, 2018, 17, 1331-1342.	9.2	9
149	A Stackelberg-Game Approach for Disaster-Recovery Communications Utilizing Cooperative D2D. IEEE Access, 2018, 6, 10733-10742.	4.2	10
150	Power and Bandwidth Allocation for Cognitive Heterogeneous Multi-Homing Networks. IEEE Transactions on Communications, 2018, 66, 394-403.	7.8	12
151	Multiple-Antenna-Assisted Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2018, 25, 17-23.	9.0	109
152	Toward Cross-Layer Design for Non-Orthogonal Multiple Access: A Quality-of-Experience Perspective. IEEE Wireless Communications, 2018, 25, 118-124.	9.0	21
153	Optimal Throughput Fairness Tradeoffs for Downlink Non-Orthogonal Multiple Access Over Fading Channels. IEEE Transactions on Wireless Communications, 2018, 17, 3556-3571.	9.2	49
154	Energy-Efficient D2D Communications Underlying NOMA-Based Networks With Energy Harvesting. IEEE Communications Letters, 2018, 22, 914-917.	4.1	84
155	Modeling and Analysis of Two-Way Relay Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2018, 66, 3784-3796.	7.8	106
156	Exploiting Full/Half-Duplex User Relaying in NOMA Systems. IEEE Transactions on Communications, 2018, 66, 560-575.	7.8	277
157	Security-Aware Resource Allocation With Delay Constraint for NOMA-Based Cognitive Radio Network. IEEE Transactions on Information Forensics and Security, 2018, 13, 366-376.	6.9	50
158	Abnormality Detection Inside Blood Vessels With Mobile Nanomachines. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2018, 4, 189-194.	2.1	24
159	Outage Performance of Cooperative NOMA Networks with Hardware Impairments. , 2018, , .		16
160	Energy-Efficient Mobile-Edge Computation Offloading for Applications with Shared Data. , 2018, , .		20
161	Energy Efficient Resource Allocation and Caching in Fog Radio Access Networks. , 2018, , .		4
162	A Unified Spatial Framework for Clustered UAV Networks Based on Stochastic Geometry. , 2018, , .		12

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163	Transceiver Observations in Asymmetric and Symmetric Diffusive Molecular Communication Systems. , 2018, , .		3
164	The Non-Coherent Ultra-Dense C-RAN Is Capable of Outperforming Its Coherent Counterpart at a Limited Fronthaul Capacity. IEEE Journal on Selected Areas in Communications, 2018, 36, 2549-2560.	14.0	23
165	Connection Outage Probability of Power Beacon Assisted Multi-Source Transmission. , 2018, , .		0
166	Integrating Communications and Control for UAV Systems: Opportunities and Challenges. IEEE Access, 2018, 6, 67519-67527.	4.2	57
167	Angle Domain Channel Estimation in Hybrid Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 8165-8179.	9.2	89
168	Power- and Rate-Adaptation Improves the Effective Capacity of C-RAN for Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 10841-10855.	6.3	10
169	A Machine Learning Approach for Power Allocation in HetNets Considering QoS. , 2018, , .		85
170	Enhancing the Reliability of Large-Scale Multiuser Molecular Communication Systems. , 2018, , .		1
171	Cross-Layer QoE Optimization for D2D Communication in CR-Enabled Heterogeneous Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 719-734.	7.9	17
172	Resource Allocation in NOMA-Based Fog Radio Access Networks. IEEE Wireless Communications, 2018, 25, 110-115.	9.0	86
173	Energy Efficient Dynamic Resource Optimization in NOMA System. IEEE Transactions on Wireless Communications, 2018, 17, 5671-5683.	9.2	102
174	User Association in Non-Orthogonal Multiple Access Networks. , 2018, , .		15
175	Exploiting Multiple Access in Clustered Millimeter Wave Networks: NOMA or OMA?. , 2018, , .		3
176	Edge Caching in Dense Heterogeneous Cellular Networks With Massive MIMO-Aided Self-Backhaul. IEEE Transactions on Wireless Communications, 2018, 17, 6360-6372.	9.2	24
177	Cache-Enabled HetNets With Millimeter Wave Small Cells. IEEE Transactions on Communications, 2018, 66, 5497-5511.	7.8	36
178	Random Access Analysis for Massive IoT Networks Under a New Spatio-Temporal Model: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2018, 66, 5788-5803.	7.8	66
179	QoE-Based Resource Allocation for Multi-Cell NOMA Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6160-6176.	9.2	68
180	Analyzing Random Access Collisions in Massive IoT Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6853-6870.	9.2	71

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181	Modeling and Analysis of mmWave Communications in Cache-Enabled HetNets. , 2018, , .		5
182	Joint Altitude, Beamwidth, Location, and Bandwidth Optimization for UAV-Enabled Communications. IEEE Communications Letters, 2018, 22, 1716-1719.	4.1	112
183	User Association and Resource Allocation in Unified NOMA Enabled Heterogeneous Ultra Dense Networks. , 2018, 56, 86-92.		91
184	Multi-Scale Energy Harvesting. , 2018, , 157-185.		0
185	Collision Analysis of mlot Network with Power Ramping Scheme. , 2018, , .		0
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