

# Meng Zhang

## List of Publications by Year in descending order

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520  
papers

66,079  
citations

813

118  
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983

237  
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536  
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536  
docs citations

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times ranked

17062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Reflecting Surface Aided Full-Duplex Communication: Passive Beamforming and Deployment Design. IEEE Transactions on Wireless Communications, 2022, 21, 383-397.	9.2	33
2	Semi-Passive Elements Assisted Channel Estimation for Intelligent Reflecting Surface-Aided Communications. IEEE Transactions on Wireless Communications, 2022, 21, 1132-1142.	9.2	37
3	Multi-Beam Multi-Hop Routing for Intelligent Reflecting Surfaces Aided Massive MIMO. IEEE Transactions on Wireless Communications, 2022, 21, 1897-1912.	9.2	38
4	IRS-Aided Wireless Relaying: Deployment Strategy and Capacity Scaling. IEEE Wireless Communications Letters, 2022, 11, 215-219.	5.0	20
5	A Survey on Millimeter-Wave Beamforming Enabled UAV Communications and Networking. IEEE Communications Surveys and Tutorials, 2022, 24, 557-610.	39.4	135
6	Anchor-Assisted Channel Estimation for Intelligent Reflecting Surface Aided Multiuser Communication. IEEE Transactions on Wireless Communications, 2022, 21, 3764-3778.	9.2	51
7	UAV Aided Over-the-Air Computation. IEEE Transactions on Wireless Communications, 2022, 21, 4909-4924.	9.2	14
8	3D Trajectory Optimization for Energy-Efficient UAV Communication: A Control Design Perspective. IEEE Transactions on Wireless Communications, 2022, 21, 4579-4593.	9.2	55
9	Multi-UAV Aided Millimeter-Wave Networks: Positioning, Clustering, and Beamforming. IEEE Transactions on Wireless Communications, 2022, 21, 4637-4653.	9.2	8
10	Transforming Fading Channel From Fast to Slow: Intelligent Refracting Surface Aided High-Mobility Communication. IEEE Transactions on Wireless Communications, 2022, 21, 4989-5003.	9.2	31
11	Intelligent Reflecting Surface-Aided Wireless Energy and Information Transmission: An Overview. Proceedings of the IEEE, 2022, 110, 150-170.	21.3	82
12	Intelligent Reflecting Surface-Aided Spectrum Sensing for Cognitive Radio. IEEE Wireless Communications Letters, 2022, 11, 928-932.	5.0	16
13	Double-IRS Aided MIMO Communication Under LoS Channels: Capacity Maximization and Scaling. IEEE Transactions on Communications, 2022, 70, 2820-2837.	7.8	42
14	A Survey on Channel Estimation and Practical Passive Beamforming Design for Intelligent Reflecting Surface Aided Wireless Communications. IEEE Communications Surveys and Tutorials, 2022, 24, 1035-1071.	39.4	152
15	Target Sensing With Intelligent Reflecting Surface: Architecture and Performance. IEEE Journal on Selected Areas in Communications, 2022, 40, 2070-2084.	14.0	50
16	Intelligent Reflecting Surface for Multi-Path Beam Routing With Active/Passive Beam Splitting and Combining. IEEE Communications Letters, 2022, 26, 1165-1169.	4.1	9
17	Near-Field Modeling and Performance Analysis of Modular Extremely Large-Scale Array Communications. IEEE Communications Letters, 2022, 26, 1529-1533.	4.1	4
18	Intelligent Reflecting Surface-Aided Wireless Networks: From Single-Reflection to Multireflection Design and Optimization. Proceedings of the IEEE, 2022, 110, 1380-1400.	21.3	47

#	ARTICLE	IF	CITATIONS
19	Empowering Base Stations With Co-Site Intelligent Reflecting Surfaces: User Association, Channel Estimation and Reflection Optimization. IEEE Transactions on Communications, 2022, 70, 4940-4955.	7.8	7
20	Deep Learning-Based Channel Estimation for mmWave Massive MIMO Systems in Mixed-ADC Architecture. Sensors, 2022, 22, 3938.	3.8	1
21	Achievable Rate Maximization for Underlay Spectrum Sharing MIMO System With Intelligent Reflecting Surface. IEEE Wireless Communications Letters, 2022, 11, 1758-1762.	5.0	9
22	Passive Beamforming for 3-D Coverage in IRS-Assisted Communications. IEEE Wireless Communications Letters, 2022, 11, 1763-1767.	5.0	5
23	Intelligent Reflecting Surface Enhanced Wireless Networks: Two-Timescale Beamforming Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 2-17.	9.2	166
24	A Low-Complexity Beamforming Design for Multiuser Wireless Energy Transfer. IEEE Wireless Communications Letters, 2021, 10, 58-62.	5.0	16
25	Fast Channel Estimation for IRS-Assisted OFDM. IEEE Wireless Communications Letters, 2021, 10, 580-584.	5.0	61
26	3D Placement for Multi-UAV Relaying: An Iterative Gibbs-Sampling and Block Coordinate Descent Optimization Approach. IEEE Transactions on Communications, 2021, 69, 2047-2062.	7.8	27
27	Wireless Communication via Double IRS: Channel Estimation and Passive Beamforming Designs. IEEE Wireless Communications Letters, 2021, 10, 431-435.	5.0	77
28	Energy Efficiency Maximization via Joint Active and Passive Beamforming Design for Multiuser MISO IRS-Aided SWIPT. IEEE Wireless Communications Letters, 2021, 10, 557-561.	5.0	69
29	Intelligent Reflecting Surface Aided Multicasting With Random Passive Beamforming. IEEE Wireless Communications Letters, 2021, 10, 92-96.	5.0	36
30	Wireless Power Transfer with Information Asymmetry: A Public Goods Perspective. IEEE Transactions on Mobile Computing, 2021, 20, 276-291.	5.8	5
31	UAV Trajectory and Communication Co-Design: Flexible Path Discretization and Path Compression. IEEE Journal on Selected Areas in Communications, 2021, 39, 3506-3523.	14.0	14
32	Channel Estimation for Intelligent Reflecting Surface Assisted Backscatter Communication. IEEE Wireless Communications Letters, 2021, 10, 2519-2523.	5.0	18
33	Refined Nonlinear Rectenna Modeling and Optimal Waveform Design for Multi-User Multi-Antenna Wireless Power Transfer. IEEE Journal on Selected Topics in Signal Processing, 2021, , 1-1.	10.8	8
34	Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication. IEEE Transactions on Signal Processing, 2021, 69, 1301-1316.	5.3	27
35	Distributed Beam Training for Intelligent Reflecting Surface Enabled Multi-Hop Routing. IEEE Wireless Communications Letters, 2021, 10, 2489-2493.	5.0	21
36	Aerial-Ground Interference Mitigation for Cellular-Connected UAV. IEEE Wireless Communications, 2021, 28, 167-173.	9.0	32

#	ARTICLE	IF	CITATIONS
37	Massive MIMO for Cellular-Connected UAV: Challenges and Promising Solutions. IEEE Communications Magazine, 2021, 59, 84-90.	6.1	38
38	Cooperative Beam Routing for Multi-IRS Aided Communication. IEEE Wireless Communications Letters, 2021, 10, 426-430.	5.0	76
39	Towards Reliable UAV Swarm Communication in D2D-Enhanced Cellular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 1567-1581.	9.2	19
40	Radio Map-Based 3D Path Planning for Cellular-Connected UAV. IEEE Transactions on Wireless Communications, 2021, 20, 1975-1989.	9.2	64
41	Delay-Optimal Scheduling for IRS-Aided Mobile Edge Computing. IEEE Wireless Communications Letters, 2021, 10, 740-744.	5.0	57
42	On the Trade-Off between Energy Efficiency and Spectral Efficiency in RIS-Aided Multi-User MISO Downlink. Electronics (Switzerland), 2021, 10, 1307.	3.1	9
43	Intelligent Reflecting Surface-Aided Wireless Communications: A Tutorial. IEEE Transactions on Communications, 2021, 69, 3313-3351.	7.8	1,166
44	Angular-Domain Selective Channel Tracking and Doppler Compensation for High-Mobility mmWave Massive MIMO. IEEE Transactions on Wireless Communications, 2021, 20, 2902-2916.	9.2	14
45	Exploiting Amplitude Control in Intelligent Reflecting Surface Aided Wireless Communication With Imperfect CSI. IEEE Transactions on Communications, 2021, 69, 4216-4231.	7.8	60
46	Cooperative Multi-Beam Routing for Multi-IRS Aided Massive MIMO. , 2021, , .		10
47	Multi-Objective Resource Allocation for IRS-Aided SWIPT. IEEE Wireless Communications Letters, 2021, 10, 1324-1328.	5.0	50
48	Uplink Channel Estimation for Double-IRS Assisted Multi-User MIMO. , 2021, , .		18
49	Environment-Aware and Training-Free Beam Alignment for mmWave Massive MIMO via Channel Knowledge Map. , 2021, , .		21
50	Efficient Channel Estimation for Double-IRS Aided Multi-User MIMO System. IEEE Transactions on Communications, 2021, 69, 3818-3832.	7.8	83
51	Transforming Fading Channel from Fast to Slow: IRS-Assisted High-Mobility Communication. , 2021, , .		21
52	Energy-Efficient UAV Multicasting With Simultaneous FSO Backhaul and Power Transfer. IEEE Wireless Communications Letters, 2021, 10, 1537-1541.	5.0	14
53	Wireless Communication with Extremely Large-Scale Intelligent Reflecting Surface. , 2021, , .		14
54	Double-IRS Assisted Multi-User MIMO: Cooperative Passive Beamforming Design. IEEE Transactions on Wireless Communications, 2021, 20, 4513-4526.	9.2	140

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55	Aerial Intelligent Reflecting Surface: Joint Placement and Passive Beamforming Design With 3D Beam Flattening. IEEE Transactions on Wireless Communications, 2021, 20, 4128-4143.	9.2	148
56	Simultaneous Navigation and Radio Mapping for Cellular-Connected UAV With Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2021, 20, 4205-4220.	9.2	81
57	A novel D2D-MEC method for enhanced computation capability in cellular networks. Scientific Reports, 2021, 11, 16918.	3.3	6
58	IRS Meets Relaying: Joint Resource Allocation and Passive Beamforming Optimization. IEEE Wireless Communications Letters, 2021, 10, 2080-2084.	5.0	31
59	Two-Timescale Beamforming Optimization for Intelligent Reflecting Surface Aided Multiuser Communication With QoS Constraints. IEEE Transactions on Wireless Communications, 2021, 20, 6179-6194.	9.2	38
60	Performance Analysis and User Association Optimization for Wireless Network Aided by Multiple Intelligent Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 6296-6312.	7.8	58
61	Intelligent Reflecting Surface Aided Multi-User Communication: Capacity Region and Deployment Strategy. IEEE Transactions on Communications, 2021, 69, 5790-5806.	7.8	85
62	Hybrid Active/Passive Wireless Network Aided by Intelligent Reflecting Surface: System Modeling and Performance Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 7196-7212.	9.2	55
63	UAV-Enabled Wireless Power Transfer: A Tutorial Overview. IEEE Transactions on Green Communications and Networking, 2021, 5, 2042-2064.	5.5	34
64	Wireless Communication Aided by Intelligent Reflecting Surface: Active or Passive?. IEEE Wireless Communications Letters, 2021, 10, 2659-2663.	5.0	112
65	Multi-IRS Aided Multiuser Communication: Hybrid Deployment and Optimization. , 2021, , .		0
66	Enabling Smart Reflection in Integrated Air-Ground Wireless Network: IRS Meets UAV. IEEE Wireless Communications, 2021, 28, 138-144.	9.0	64
67	Environment-Aware Beam Selection for IRS-Aided Communication with Channel Knowledge Map. , 2021, , .		5
68	Beamforming Optimization for Wireless Network Aided by Intelligent Reflecting Surface With Discrete Phase Shifts. IEEE Transactions on Communications, 2020, 68, 1838-1851.	7.8	692
69	Secure transmission scheme for SWIPT-powered full-duplex relay system with multi-antenna based on energy cooperation and cooperative jamming. Telecommunication Systems, 2020, 74, 55-66.	2.5	4
70	Receding Horizon Optimization for Energy-Efficient UAV Communication. IEEE Wireless Communications Letters, 2020, 9, 490-494.	5.0	16
71	Intelligent Reflecting Surface-Enhanced OFDM: Channel Estimation and Reflection Optimization. IEEE Wireless Communications Letters, 2020, 9, 518-522.	5.0	520
72	Specific Absorption Rate-Aware Beamforming in MISO Downlink SWIPT Systems. IEEE Transactions on Communications, 2020, 68, 1312-1326.	7.8	19

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73	Symbiotic Radio: A New Communication Paradigm for Passive Internet of Things. IEEE Internet of Things Journal, 2020, 7, 1350-1363.	8.7	152
74	Weighted Sum Power Maximization for Intelligent Reflecting Surface Aided SWIPT. IEEE Wireless Communications Letters, 2020, 9, 586-590.	5.0	285
75	Towards Smart and Reconfigurable Environment: Intelligent Reflecting Surface Aided Wireless Network. IEEE Communications Magazine, 2020, 58, 106-112.	6.1	2,114
76	Cooperative Downlink Interference Transmission and Cancellation for Cellular-Connected UAV: A Divide-and-Conquer Approach. IEEE Transactions on Communications, 2020, 68, 1297-1311.	7.8	54
77	Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 16178-16182.	6.3	8
78	Intelligent Reflecting Surface with Discrete Phase Shifts: Channel Estimation and Passive Beamforming. , 2020, , .		72
79	Uplink Cooperative Interference Cancellation for Cellular-Connected UAV: A Quantize-and-Forward Approach. IEEE Wireless Communications Letters, 2020, 9, 1567-1571.	5.0	13
80	Fast Beam Training for IRS-Assisted Multiuser Communications. IEEE Wireless Communications Letters, 2020, 9, 1845-1849.	5.0	78
81	Holographic MIMO Surfaces for 6G Wireless Networks: Opportunities, Challenges, and Trends. IEEE Wireless Communications, 2020, 27, 118-125.	9.0	699
82	Placement Learning for Multi-UAV Relaying: A Gibbs Sampling Approach. , 2020, , .		9
83	Channel Estimation and Passive Beamforming for Intelligent Reflecting Surface: Discrete Phase Shift and Progressive Refinement. IEEE Journal on Selected Areas in Communications, 2020, 38, 2604-2620.	14.0	252
84	Enabling Panoramic Full-Angle Reflection Via Aerial Intelligent Reflecting Surface. , 2020, , .		56
85	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. , 2020, , .		61
86	On the Capacity of Intelligent Reflecting Surface Aided MIMO Communication. , 2020, , .		11
87	Intelligent Reflecting Surface Assisted Multi-User OFDMA: Channel Estimation and Training Design. IEEE Transactions on Wireless Communications, 2020, 19, 8315-8329.	9.2	187
88	Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 16288-16293.	6.3	43
89	Intelligent Reflecting Surface Aided Multiple Access: Capacity Region and Deployment Strategy. , 2020, , .		45
90	An Adaptive Channel Division MAC Protocol for High Dynamic UAV Networks. IEEE Sensors Journal, 2020, , 1-1.	4.7	14

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91	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. IEEE Transactions on Communications, 2020, 68, 5849-5863.	7.8	382
92	Cooperative Double-IRS Aided Communication: Beamforming Design and Power Scaling. IEEE Wireless Communications Letters, 2020, 9, 1206-1210.	5.0	127
93	Two-timescale Beamforming Optimization for Intelligent Reflecting Surface Enhanced Wireless Network. , 2020, , .		16
94	Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. IEEE Transactions on Vehicular Technology, 2020, 69, 4590-4595.	6.3	57
95	Intelligent Reflecting Surface Meets OFDM: Protocol Design and Rate Maximization. IEEE Transactions on Communications, 2020, 68, 4522-4535.	7.8	417
96	Hybrid Offline-Online Design for UAV-Enabled Data Harvesting in Probabilistic LoS Channels. IEEE Transactions on Wireless Communications, 2020, 19, 3753-3768.	9.2	113
97	Capacity Characterization for Intelligent Reflecting Surface Aided MIMO Communication. IEEE Journal on Selected Areas in Communications, 2020, 38, 1823-1838.	14.0	440
98	Joint Active and Passive Beamforming Optimization for Intelligent Reflecting Surface Assisted SWIPT Under QoS Constraints. IEEE Journal on Selected Areas in Communications, 2020, 38, 1735-1748.	14.0	293
99	Reconfigurable Intelligent Surfaces vs. Relaying: Differences, Similarities, and Performance Comparison. IEEE Open Journal of the Communications Society, 2020, 1, 798-807.	6.9	445
100	Pilot Decontamination for Massive MIMO Network With UAVs. IEEE Wireless Communications Letters, 2020, 9, 1830-1834.	5.0	7
101	UAV-Sensing-Assisted Cellular Interference Coordination: A Cognitive Radio Approach. IEEE Wireless Communications Letters, 2020, 9, 799-803.	5.0	32
102	Spatial Throughput Characterization for Intelligent Reflecting Surface Aided Multiuser System. IEEE Wireless Communications Letters, 2020, 9, 834-838.	5.0	77
103	Cooperative NOMA for Downlink Asymmetric Interference Cancellation. IEEE Wireless Communications Letters, 2020, 9, 884-888.	5.0	10
104	Multi-UAV Interference Coordination via Joint Trajectory and Power Control. IEEE Transactions on Signal Processing, 2020, 68, 843-858.	5.3	90
105	IRS-Enhanced OFDMA: Joint Resource Allocation and Passive Beamforming Optimization. IEEE Wireless Communications Letters, 2020, 9, 760-764.	5.0	99
106	Intelligent Reflecting Surface Assisted Secrecy Communication: Is Artificial Noise Helpful or Not?. IEEE Wireless Communications Letters, 2020, 9, 778-782.	5.0	287
107	A New Store-Then-Amplify-and-Forward Protocol for UAV Mobile Relaying. IEEE Wireless Communications Letters, 2020, 9, 591-595.	5.0	13
108	Intelligent Reflecting Surface-Assisted Multiple Access With User Pairing: NOMA or OMA?. IEEE Communications Letters, 2020, 24, 753-757.	4.1	251

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109	3D Beam Tracking for Cellular-Connected UAV. IEEE Wireless Communications Letters, 2020, 9, 736-740.	5.0	43
110	Jamming-Assisted Proactive Eavesdropping Over Two Suspicious Communication Links. IEEE Transactions on Wireless Communications, 2020, 19, 4817-4830.	9.2	31
111	Joint Power Control and Passive Beamforming in IRS-Assisted Spectrum Sharing. IEEE Communications Letters, 2020, 24, 1553-1557.	4.1	106
112	Anchor-Assisted Intelligent Reflecting Surface Channel Estimation for Multiuser Communications. , 2020, , .		18
113	Exploiting NOMA for Multi-Beam UAV Communication in Cellular Uplink. , 2019, , .		19
114	Efficient Network Sharing With Asymmetric Constraint Information. IEEE Journal on Selected Areas in Communications, 2019, 37, 1898-1910.	14.0	9
115	Wireless Communications Through Reconfigurable Intelligent Surfaces. IEEE Access, 2019, 7, 116753-116773.	4.2	1,743
116	Network-Connected UAV: 3-D System Modeling and Coverage Performance Analysis. IEEE Internet of Things Journal, 2019, 6, 7048-7060.	8.7	56
117	Adaptive Deployment for UAV-Aided Communication Networks. IEEE Transactions on Wireless Communications, 2019, 18, 4531-4543.	9.2	144
118	Multi-Beam UAV Communication in Cellular Uplink: Cooperative Interference Cancellation and Sum-Rate Maximization. IEEE Transactions on Wireless Communications, 2019, 18, 4679-4691.	9.2	92
119	Beamforming Optimization for Intelligent Reflecting Surface with Discrete Phase Shifts. , 2019, , .		205
120	Safeguarding Wireless Network with UAVs: A Physical Layer Security Perspective. IEEE Wireless Communications, 2019, 26, 12-18.	9.0	129
121	On the Secrecy Capacity of a Full-Duplex Wirelessly Powered Communication System. IEEE Transactions on Wireless Communications, 2019, 18, 5424-5439.	9.2	3
122	Cellular-Connected UAV: Uplink Association, Power Control and Interference Coordination. IEEE Transactions on Wireless Communications, 2019, 18, 5380-5393.	9.2	122
123	Cognitive UAV Communication via Joint Maneuver and Power Control. IEEE Transactions on Communications, 2019, 67, 7872-7888.	7.8	65
124	Trajectory Design for Cellular-Connected UAV Under Outage Duration Constraint. , 2019, , .		22
125	Intelligent Reflecting Surface Enhanced Wireless Network via Joint Active and Passive Beamforming. IEEE Transactions on Wireless Communications, 2019, 18, 5394-5409.	9.2	2,295
126	Guest Editorial Wireless Transmission of Information and Power Part II. IEEE Journal on Selected Areas in Communications, 2019, 37, 249-252.	14.0	2



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127	Resource Allocation for Wireless-Powered IoT Networks With Short Packet Communication. IEEE Transactions on Wireless Communications, 2019, 18, 1447-1461.	9.2	105
128	Secure Wireless Communication via Intelligent Reflecting Surface. IEEE Wireless Communications Letters, 2019, 8, 1410-1414.	5.0	585
129	A survey of data fusion in smart city applications. Information Fusion, 2019, 52, 357-374.	19.1	199
130	Jamming-Assisted Eavesdropping Over Parallel Fading Channels. IEEE Transactions on Information Forensics and Security, 2019, 14, 2486-2499.	6.9	47
131	3D Trajectory Optimization in Rician Fading for UAV-Enabled Data Harvesting. IEEE Transactions on Wireless Communications, 2019, 18, 3192-3207.	9.2	250
132	Engineering Radio Maps for Wireless Resource Management. IEEE Wireless Communications, 2019, 26, 133-141.	9.0	85
133	Throughput Optimization for Wireless Powered Interference Channels. IEEE Transactions on Wireless Communications, 2019, 18, 2464-2476.	9.2	12
134	CoMP in the Sky: UAV Placement and Movement Optimization for Multi-User Communications. IEEE Transactions on Communications, 2019, 67, 5645-5658.	7.8	133
135	Energy Minimization for Wireless Communication With Rotary-Wing UAV. IEEE Transactions on Wireless Communications, 2019, 18, 2329-2345.	9.2	991
136	Uplink Cooperative NOMA for Cellular-Connected UAV. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 644-656.	10.8	153
137	Fundamental Trade-offs in Communication and Trajectory Design for UAV-Enabled Wireless Network. IEEE Wireless Communications, 2019, 26, 36-44.	9.0	160
138	UAV-Enabled Cooperative Jamming for Improving Secrecy of Ground Wiretap Channel. IEEE Wireless Communications Letters, 2019, 8, 181-184.	5.0	178
139	IRS-Enhanced OFDM: Power Allocation and Passive Array Optimization. , 2019, , .		52
140	3D Trajectory Design for UAV-Enabled Data Harvesting in Probabilistic LoS Channel. , 2019, , .		11
141	Cooperative Downlink Interference Transmission and Cancellation for Cellular-Connected UAV. , 2019, , .		0
142	Improved Model Predictive Current Control for Single-Phase Cascaded H-bridge Rectifier. , 2019, , .		1
143	On the Secrecy Capacity of a Full-Duplex Wirelessly Powered Communication System. , 2019, , .		0
144	Accessing From the Sky: A Tutorial on UAV Communications for 5G and Beyond. Proceedings of the IEEE, 2019, 107, 2327-2375.	21.3	828

#	ARTICLE	IF	CITATIONS
145	Guest Editorial Wireless Transmission of Information and Power”Part I. IEEE Journal on Selected Areas in Communications, 2019, 37, 1-3.	14.0	8
146	Cellular-Enabled UAV Communication: A Connectivity-Constrained Trajectory Optimization Perspective. IEEE Transactions on Communications, 2019, 67, 2580-2604.	7.8	274
147	Securing UAV Communications via Joint Trajectory and Power Control. IEEE Transactions on Wireless Communications, 2019, 18, 1376-1389.	9.2	419
148	Cellular-Connected UAV: Potential, Challenges, and Promising Technologies. IEEE Wireless Communications, 2019, 26, 120-127.	9.0	444
149	Joint Computation and Communication Cooperation for Energy-Efficient Mobile Edge Computing. IEEE Internet of Things Journal, 2019, 6, 4188-4200.	8.7	222
150	Throughput Maximization for UAV-Enabled Wireless Powered Communication Networks. IEEE Internet of Things Journal, 2019, 6, 1690-1703.	8.7	269
151	Flexible Multi-Group Single-Carrier Modulation: Subcarrier Mapping and Power Allocation Optimization. IEEE Transactions on Communications, 2019, 67, 2002-2014.	7.8	4
152	Optimal Resource Allocation in Full-Duplex Ambient Backscatter Communication Networks for Wireless-Powered IoT. IEEE Internet of Things Journal, 2019, 6, 2612-2625.	8.7	82
153	Fundamentals of Wireless Information and Power Transfer: From RF Energy Harvester Models to Signal and System Designs. IEEE Journal on Selected Areas in Communications, 2019, 37, 4-33.	14.0	452
154	Radio Map Based Path Planning for Cellular-Connected UAV. , 2019, , .		21
155	Exploiting Interference for Secrecy Wireless Information and Power Transfer. IEEE Wireless Communications, 2018, 25, 133-139.	9.0	15
156	Trajectory Design for Completion Time Minimization in UAV-Enabled Multicasting. IEEE Transactions on Wireless Communications, 2018, 17, 2233-2246.	9.2	337
157	Modulation in the Air: Backscatter Communication Over Ambient OFDM Carrier. IEEE Transactions on Communications, 2018, 66, 1219-1233.	7.8	237
158	Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. IEEE Wireless Communications Letters, 2018, 7, 328-331.	5.0	552
159	Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. IEEE Wireless Communications Letters, 2018, 7, 54-57.	5.0	42
160	Channel Estimation for Millimeter-Wave MIMO Communications With Lens Antenna Arrays. IEEE Transactions on Vehicular Technology, 2018, 67, 3239-3251.	6.3	54
161	Multi-User Millimeter Wave MIMO With Full-Dimensional Lens Antenna Array. IEEE Transactions on Wireless Communications, 2018, 17, 2800-2814.	9.2	61
162	Energy Management for Renewable Microgrid in Reducing Diesel Generators Usage With Multiple Types of Battery. IEEE Transactions on Industrial Electronics, 2018, 65, 6772-6786.	7.9	146

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163	Constant Envelope Precoding for MIMO Systems. IEEE Transactions on Communications, 2018, 66, 149-162.	7.8	44
164	Inductor-Free Wireless Energy Delivery via Maxwell's Displacement Current from an Electrodeless Triboelectric Nanogenerator. Advanced Materials, 2018, 30, 1704077.	21.0	124
165	Joint Trajectory and Communication Design for Multi-UAV Enabled Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 2109-2121.	9.2	1,249
166	UAV-Aided Offloading for Cellular Hotspot. IEEE Transactions on Wireless Communications, 2018, 17, 3988-4001.	9.2	248
167	Energy Tradeoff in Ground-to-UAV Communication via Trajectory Design. IEEE Transactions on Vehicular Technology, 2018, 67, 6721-6726.	6.3	311
168	Transmit Optimization for Symbol-Level Spoofing. IEEE Transactions on Wireless Communications, 2018, 17, 41-55.	9.2	19
169	Energy Cooperation Optimization in Microgrids With Renewable Energy Integration. IEEE Transactions on Smart Grid, 2018, 9, 1482-1493.	9.0	242
170	Node Placement and Distributed Magnetic Beamforming Optimization for Wireless Power Transfer. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 264-279.	2.8	21
171	Transmit beamforming for simultaneous wireless information and power transfer. , 2018, , 479-506.		6
172	Joint Altitude and Beamwidth Optimization for UAV-Enabled Multiuser Communications. IEEE Communications Letters, 2018, 22, 344-347.	4.1	200
173	Intelligent Reflecting Surface Enhanced Wireless Network: Joint Active and Passive Beamforming Design. , 2018, , .		455
174	Cellular-Connected UAV: Uplink Association, Power Control and Interference Coordination. , 2018, , .		24
175	Rotary-Wing UAV Enabled Wireless Network: Trajectory Design and Resource Allocation. , 2018, , .		15
176	Traffic-Aware Adaptive Deployment for UAV-Aided Communication Networks. , 2018, , .		12
177	Effective-Throughput Maximization for Wireless-Powered IoT Networks with Short Packets. , 2018, , .		6
178	Cooperative Interference Cancellation for Multi-Beam UAV Uplink Communication: A DoF Analysis. , 2018, , .		8
179	Uplink Channel Estimation and Data Transmission in Millimeter-Wave CRAN With Lens Antenna Arrays. IEEE Transactions on Communications, 2018, 66, 6542-6555.	7.8	8
180	Capacity of UAV-Enabled Multicast Channel: Joint Trajectory Design and Power Allocation. , 2018, , .		21

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181	Cellular-Enabled UAV Communication: Trajectory Optimization under Connectivity Constraint. , 2018, , .		35
182	Power Allocation for Point-to-Point Energy Harvesting Channels. , 2018, , 5-73.		0
183	Asynchronous Mobile-Edge Computation Offloading: Energy-Efficient Resource Management. IEEE Transactions on Wireless Communications, 2018, 17, 7590-7605.	9.2	91
184	Mobile Edge Computing for Cellular-Connected UAV: Computation Offloading and Trajectory Optimization. , 2018, , .		108
185	Cognitive UAV Communication via Joint Trajectory and Power Control. , 2018, , .		39
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