Cunhua Pan

List of Publications by Year
in descending order

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176	8,852	41258	46693
papers	citations	49 h-index	89 g-index

176	176	176	4503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multicell MIMO Communications Relying on Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2020, 19, 5218-5233.	6.1	589
2	Intelligent Reflecting Surface Aided MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2020, 38, 1719-1734.	9.7	507
3	Reconfigurable Intelligent Surfaces for 6G Systems: Principles, Applications, and Research Directions. IEEE Communications Magazine, 2021, 59, 14-20.	4.9	354
4	Latency Minimization for Intelligent Reflecting Surface Aided Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2020, 38, 2666-2682.	9.7	305
5	Energy Efficient Resource Allocation in UAV-Enabled Mobile Edge Computing Networks. IEEE Transactions on Wireless Communications, 2019, 18, 4576-4589.	6.1	277
6	A Framework of Robust Transmission Design for IRS-Aided MISO Communications With Imperfect Cascaded Channels. IEEE Transactions on Signal Processing, 2020, 68, 5092-5106.	3.2	269
7	Joint UAV Hovering Altitude and Power Control for Space-Air-Ground IoT Networks. IEEE Internet of Things Journal, 2019, 6, 1741-1753.	5.5	208
8	Artificial-Noise-Aided Secure MIMO Wireless Communications via Intelligent Reflecting Surface. IEEE Transactions on Communications, 2020, 68, 7851-7866.	4.9	202
9	Intelligent Reflecting Surface Aided Multigroup Multicast MISO Communication Systems. IEEE Transactions on Signal Processing, 2020, 68, 3236-3251.	3.2	198
10	Multi-Agent Deep Reinforcement Learning-Based Trajectory Planning for Multi-UAV Assisted Mobile Edge Computing. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 73-84.	4.9	196
11	Robust Beamforming Design for Intelligent Reflecting Surface Aided MISO Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 1658-1662.	3.2	185
12	Secure Communications for UAV-Enabled Mobile Edge Computing Systems. IEEE Transactions on Communications, 2020, 68, 376-388.	4.9	163
13	On the Optimality of Power Allocation for NOMA Downlinks With Individual QoS Constraints. IEEE Communications Letters, 2017, 21, 1649-1652.	2.5	162
14	Energy Efficient Resource Allocation in Machine-to-Machine Communications With Multiple Access and Energy Harvesting for IoT. IEEE Internet of Things Journal, 2018, 5, 229-245.	5.5	157
15	Joint Blocklength and Location Optimization for URLLC-Enabled UAV Relay Systems. IEEE Communications Letters, 2019, 23, 498-501.	2.5	149
16	Joint Precoding and RRH Selection for User-Centric Green MIMO C-RAN. IEEE Transactions on Wireless Communications, 2017, 16, 2891-2906.	6.1	146
17	User-Centric C-RAN Architecture for Ultra-Dense 5G Networks: Challenges and Methodologies. , 2018, 56, 14-20.		132
18	Resource Allocation for D2D Communications Underlaying a NOMA-Based Cellular Network. IEEE Wireless Communications Letters, 2018, 7, 130-133.	3.2	120

#	Article	IF	Citations
19	Robust Transmission Design for Intelligent Reflecting Surface-Aided Secure Communication Systems With Imperfect Cascaded CSI. IEEE Transactions on Wireless Communications, 2021, 20, 2487-2501.	6.1	120
20	Deep-Learning-Based Joint Resource Scheduling Algorithms for Hybrid MEC Networks. IEEE Internet of Things Journal, 2020, 7, 6252-6265.	5.5	116
21	Joint Power and Blocklength Optimization for URLLC in a Factory Automation Scenario. IEEE Transactions on Wireless Communications, 2020, 19, 1786-1801.	6.1	115
22	Joint Altitude, Beamwidth, Location, and Bandwidth Optimization for UAV-Enabled Communications. IEEE Communications Letters, 2018, 22, 1716-1719.	2.5	112
23	UAV-Assisted Intelligent Reflecting Surface Symbiotic Radio System. IEEE Transactions on Wireless Communications, 2021, 20, 5769-5785.	6.1	111
24	Multiple-Antenna-Assisted Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2018, 25, 17-23.	6.6	109
25	Resource Allocation for Intelligent Reflecting Surface Aided Wireless Powered Mobile Edge Computing in OFDM Systems. IEEE Transactions on Wireless Communications, 2021, 20, 5389-5407.	6.1	103
26	UAV-Assisted and Intelligent Reflecting Surfaces-Supported Terahertz Communications. IEEE Wireless Communications Letters, 2021, 10, 1256-1260.	3.2	97
27	Large-Scale Antenna Systems With UL/DL Hardware Mismatch: Achievable Rates Analysis and Calibration. IEEE Transactions on Communications, 2015, 63, 1216-1229.	4.9	96
28	Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 11445-11457.	3.9	92
29	Joint Pilot and Payload Power Allocation for Massive-MIMO-Enabled URLLC IIoT Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 816-830.	9.7	88
30	Active RIS Versus Passive RIS: Which is Superior With the Same Power Budget?. IEEE Communications Letters, 2022, 26, 1150-1154.	2.5	86
31	Energy-Efficient D2D Communications Underlaying NOMA-Based Networks With Energy Harvesting. IEEE Communications Letters, 2018, 22, 914-917.	2.5	84
32	Achievable Data Rate for URLLC-Enabled UAV Systems With 3-D Channel Model. IEEE Wireless Communications Letters, 2019, 8, 1587-1590.	3.2	82
33	Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. IEEE Transactions on Signal Processing, 2021, 69, 837-851.	3.2	82
34	Resource Allocation for Secure URLLC in Mission-Critical IoT Scenarios. IEEE Transactions on Communications, 2020, 68, 5793-5807.	4.9	81
35	Efficient Resource Allocation for Mobile-Edge Computing Networks With NOMA: Completion Time and Energy Minimization. IEEE Transactions on Communications, 2019, 67, 7771-7784.	4.9	77
36	Deep Reinforcement Learning Based Dynamic Trajectory Control for UAV-Assisted Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2022, 21, 3536-3550.	3.9	76

#	Article	IF	Citations
37	Channel Estimation for RIS-Aided Multiuser Millimeter-Wave Systems. IEEE Transactions on Signal Processing, 2022, 70, 1478-1492.	3.2	72
38	Statistical CSI-Based Design for Reconfigurable Intelligent Surface-Aided Massive MIMO Systems With Direct Links. IEEE Wireless Communications Letters, 2021, 10, 1128-1132.	3.2	70
39	Channel Estimation With Reconfigurable Intelligent Surfacesâ€"A General Framework. Proceedings of the IEEE, 2022, 110, 1312-1338.	16.4	65
40	Joint User Selection and Energy Minimization for Ultra-Dense Multi-channel C-RAN With Incomplete CSI. IEEE Journal on Selected Areas in Communications, 2017, 35, 1809-1824.	9.7	63
41	Power Control for Multi-Cell Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2018, 17, 927-942.	6.1	62
42	Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 8003-8007.	3.9	61
43	Secure Wireless Communication in RIS-Aided MISO System With Hardware Impairments. IEEE Wireless Communications Letters, 2021, 10, 1309-1313.	3.2	61
44	Intelligent Reflecting Surface-Assisted MU-MISO Systems With Imperfect Hardware: Channel Estimation and Beamforming Design. IEEE Transactions on Wireless Communications, 2022, 21, 2077-2092.	6.1	61
45	Intelligent Reflecting Surface-Aided URLLC in a Factory Automation Scenario. IEEE Transactions on Communications, 2022, 70, 707-723.	4.9	61
46	Analysis and Optimization for RIS-Aided Multi-Pair Communications Relying on Statistical CSI. IEEE Transactions on Vehicular Technology, 2021, 70, 3897-3901.	3.9	58
47	AI Driven Heterogeneous MEC System with UAV Assistance for Dynamic Environment: Challenges and Solutions. IEEE Network, 2021, 35, 400-408.	4.9	57
48	Joint Trajectory and Communication Design for Secure UAV Networks. IEEE Communications Letters, 2019, 23, 636-639.	2.5	55
49	Power Scaling Law Analysis and Phase Shift Optimization of RIS-Aided Massive MIMO Systems With Statistical CSI. IEEE Transactions on Communications, 2022, 70, 3558-3574.	4.9	52
50	Distributed Energy-Efficient Power Optimization for CoMP Systems With Max-Min Fairness. IEEE Communications Letters, 2014, 18, 999-1002.	2.5	49
51	Packet Error Probability and Effective Throughput for Ultra-Reliable and Low-Latency UAV Communications. IEEE Transactions on Communications, 2021, 69, 73-84.	4.9	48
52	Reconfigurable Intelligent Surfaces-Assisted Multiuser MIMO Uplink Transmission With Partial CSI. IEEE Transactions on Wireless Communications, 2021, 20, 5613-5627.	6.1	46
53	Sum-Rate Maximization for Intelligent Reflecting Surface Assisted Terahertz Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 3320-3325.	3.9	46
54	Energy Efficiency Optimization for MIMO Distributed Antenna Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 2276-2288.	3.9	45

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55	Stochastic Learning-Based Robust Beamforming Design for RIS-Aided Millimeter-Wave Systems in the Presence of Random Blockages. IEEE Transactions on Vehicular Technology, 2021, 70, 1057-1061.	3.9	45
56	Uplink Achievable Rate of Intelligent Reflecting Surface-Aided Millimeter-Wave Communications With Low-Resolution ADC and Phase Noise. IEEE Wireless Communications Letters, 2021, 10, 654-658.	3.2	44
57	On Consideration of Content Preference and Sharing Willingness in D2D Assisted Offloading. IEEE Journal on Selected Areas in Communications, 2017, , 1-1.	9.7	43
58	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
59	Widely Linear Precoding for Large-Scale MIMO with IQI: Algorithms and Performance Analysis. IEEE Transactions on Wireless Communications, 2017, 16, 3298-3312.	6.1	42
60	Pricing-Based Distributed Energy-Efficient Beamforming for MISO Interference Channels. IEEE Journal on Selected Areas in Communications, 2016, 34, 710-722.	9.7	40
61	Joint Power, Altitude, Location and Bandwidth Optimization for UAV With Underlaid D2D Communications. IEEE Wireless Communications Letters, 2019, 8, 524-527.	3.2	39
62	Cache Placement in Two-Tier HetNets With Limited Storage Capacity: Cache or Buffer?. IEEE Transactions on Communications, 2018, 66, 5415-5429.	4.9	37
63	Double Intelligent Reflecting Surface-Assisted Multi-User MIMO Mmwave Systems With Hybrid Precoding. IEEE Transactions on Vehicular Technology, 2022, 71, 1575-1587.	3.9	37
64	Robust Beamforming Design for Intelligent Reflecting Surface Aided Cognitive Radio Systems With Imperfect Cascaded CSI. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 186-201.	4.9	36
65	Stacked Autoencoder-Based Deep Reinforcement Learning for Online Resource Scheduling in Large-Scale MEC Networks. IEEE Internet of Things Journal, 2020, 7, 9278-9290.	5.5	34
66	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.	6.1	33
67	Throughput Maximization for Full-Duplex UAV Aided Small Cell Wireless Systems. IEEE Wireless Communications Letters, 2020, 9, 475-479.	3.2	33
68	Communication-and-Computing Latency Minimization for UAV-Enabled Virtual Reality Delivery Systems. IEEE Transactions on Communications, 2021, 69, 1723-1735.	4.9	33
69	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.	6.1	32
70	Low-Complexity Robust Beamforming Design for IRS-Aided MISO Systems With Imperfect Channels. IEEE Communications Letters, 2021, 25, 1697-1701.	2.5	32
71	Weighted Sum Energy Efficiency Maximization in Ad Hoc Networks. IEEE Wireless Communications Letters, 2015, 4, 233-236.	3.2	31
72	Distributed Resource Scheduling for Large-Scale MEC Systems: A Multiagent Ensemble Deep Reinforcement Learning With Imitation Acceleration. IEEE Internet of Things Journal, 2022, 9, 6597-6610.	5.5	31

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73	Random Shifting Intelligent Reflecting Surface for OTP Encrypted Data Transmission. IEEE Wireless Communications Letters, 2021, 10, 1192-1196.	3.2	31
74	Coverage Probability of Distributed IRS Systems Under Spatially Correlated Channels. IEEE Wireless Communications Letters, 2021, 10, 1722-1726.	3.2	31
75	Ergodic Rate Analysis of Cooperative Ambient Backscatter Communication. IEEE Wireless Communications Letters, 2019, 8, 1679-1682.	3.2	30
76	Unified Offloading Decision Making and Resource Allocation in ME-RAN. IEEE Transactions on Vehicular Technology, 2019, 68, 8159-8172.	3.9	29
77	Offloading Optimization for Low-Latency Secure Mobile Edge Computing Systems. IEEE Wireless Communications Letters, 2020, 9, 480-484.	3.2	29
78	Robust Beamforming Design for IRS-Aided Secure SWIPT Terahertz Systems With Non-Linear EH Model. IEEE Wireless Communications Letters, 2022, 11, 746-750.	3.2	29
79	Outage Analysis for Intelligent Reflecting Surface Assisted Vehicular Communication Networks. , 2020, , .		28
80	Totally Distributed Energy-Efficient Transmission in MIMO Interference Channels. IEEE Transactions on Wireless Communications, 2015, 14, 6325-6338.	6.1	27
81	Low-Latency C-RAN: An Next-Generation Wireless Approach. IEEE Vehicular Technology Magazine, 2018, 13, 48-56.	2.8	26
82	Reconfigurable Intelligent Surface Aided Mobile Edge Computing. IEEE Wireless Communications, 2021, 28, 80-86.	6.6	26
83	Optimal Fairness-Aware Time and Power Allocation in Wireless Powered Communication Networks. IEEE Transactions on Communications, 2018, 66, 3122-3135.	4.9	25
84	Tradeoff Caching Strategy of the Outage Probability and Fronthaul Usage in a Cloud-RAN. IEEE Transactions on Vehicular Technology, 2018, 67, 6383-6397.	3.9	24
85	Joint Optimization of UAV Trajectory and Sensor Uploading Powers for UAV-Assisted Data Collection in Wireless Sensor Networks. IEEE Internet of Things Journal, 2022, 9, 11214-11226.	5.5	24
86	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.	9.7	23
87	Statistical CSI-Based Transmission Design for Reconfigurable Intelligent Surface-Aided Massive MIMO Systems With Hardware Impairments. IEEE Wireless Communications Letters, 2022, 11, 38-42.	3.2	23
88	Power Minimization in Multi-Band Multi-Antenna Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5056-5069.	6.1	22
89	Receiver Design for PAM-DMT in Indoor Optical Wireless Links. IEEE Photonics Technology Letters, 2015, 27, 161-164.	1.3	22
90	Energy Efficient Transmission for Multicast Services in MISO Distributed Antenna Systems. IEEE Communications Letters, 2016, 20, 756-759.	2.5	22

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91	Self-Sustainable Reconfigurable Intelligent Surface Aided Simultaneous Terahertz Information and Power Transfer (STIPT). IEEE Transactions on Wireless Communications, 2022, 21, 5420-5434.	6.1	21
92	Resource Allocation for URLLC in 5G Mission-Critical IoT Networks. , 2019, , .		19
93	Detection of Jamming Attack in Non-Coherent Massive SIMO Systems. IEEE Transactions on Information Forensics and Security, 2019, 14, 2387-2399.	4.5	19
94	Capacity Maximisation for Hybrid Digital-to-Analog Beamforming mm-Wave Systems. , 2016, , .		18
95	Pilot Allocation and Sum-Rate Analysis in Cell-Free Massive MIMO Systems. , 2018, , .		18
96	Iterative Receiver for Flip-OFDM in Optical Wireless Communication. IEEE Photonics Technology Letters, 2015, 27, 1729-1732.	1.3	17
97	Performance Analysis for User-Centric Dense Networks With mmWave. IEEE Access, 2019, 7, 14537-14548.	2.6	17
98	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. IEEE Internet of Things Journal, 2021, 8, 1623-1635.	5.5	17
99	Joint Optimization for RIS-Assisted Wireless Communications: From Physical and Electromagnetic Perspectives. IEEE Transactions on Communications, 2022, 70, 606-620.	4.9	17
100	Ergodic Rate Analysis of Reconfigurable Intelligent Surface-Aided Massive MIMO Systems With ZF Detectors. IEEE Communications Letters, 2022, 26, 264-268.	2.5	17
101	Robust Transmission Design for RIS-Aided Communications With Both Transceiver Hardware Impairments and Imperfect CSI. IEEE Wireless Communications Letters, 2022, 11, 528-532.	3.2	17
102	Joint Time Allocation and Power Control in Multicell Networks With Load Coupling: Energy Saving and Rate Improvement. IEEE Transactions on Vehicular Technology, 2017, 66, 10470-10485.	3.9	16
103	Asymptotic Analysis of Max-Min Weighted SINR for IRS-Assisted MISO Systems With Hardware Impairments. IEEE Wireless Communications Letters, 2023, 12, 192-196.	3.2	16
104	Cost Minimization for Cooperative Computation Framework in MEC Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3670-3684.	6.1	16
105	RIS-Aided D2D Communications Relying on Statistical CSI With Imperfect Hardware. IEEE Communications Letters, 2022, 26, 473-477.	2.5	16
106	A Caching Strategy Towards Maximal D2D Assisted Offloading Gain. IEEE Transactions on Mobile Computing, 2020, 19, 2489-2504.	3.9	14
107	Hybrid Digital-to-Analog Beamforming Approaches to Maximise the Capacity of mm-Wave Systems. , 2017, , .		13
108	Compressive Sensing-Based User Clustering for Downlink NOMA Systems With Decoding Power. IEEE Signal Processing Letters, 2018, 25, 660-664.	2.1	12

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109	Resource Allocation Schemes Based on Coalition Games for Vehicular Communications. IEEE Communications Letters, 2019, 23, 2340-2343.	2.5	12
110	Reconfigurable Intelligent Surface Aided Massive MIMO Systems With Low-Resolution DACs. IEEE Communications Letters, 2021, 25, 3124-3128.	2.5	12
111	Long-Term CSI-Based Design for RIS-Aided Multiuser MISO Systems Exploiting Deep Reinforcement Learning. IEEE Communications Letters, 2022, 26, 567-571.	2.5	12
112	Improving Wireless Physical Layer Security via D2D Communication. , 2018, , .		11
113	Robust Energy-Efficient Multigroup Multicast Beamforming for Multi-Beam Satellite Communications. , 2020, , .		11
114	Energy Efficiency Optimization for Distributed Antenna Systems With D2D Communications Under Channel Uncertainty. IEEE Transactions on Green Communications and Networking, 2020, 4, 1037-1047.	3.5	11
115	Analysis and Optimization of Massive Access to the IoT Relying on Multi-Pair Two-Way Massive MIMO Relay Systems. IEEE Transactions on Communications, 2021, 69, 4585-4598.	4.9	11
116	Detection Performance to Spatially Random UAV Using the Ground Vehicle. IEEE Transactions on Vehicular Technology, 2020, 69, 16320-16324.	3.9	11
117	Reconfigurable Intelligent Surface-Aided MISO Systems with Statistical CSI: Channel Estimation, Analysis and Optimization : (Invited Paper). , 2021, , .		11
118	Joint Fronthaul Link Selection and Transmit Precoding for Energy Efficiency Maximization of Multiuser MIMO-Aided Distributed Antenna Systems. IEEE Transactions on Communications, 2017, 65, 5180-5196.	4.9	10
119	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.	3.9	10
120	Data Rate Maximization in UAV-Assisted C-RAN. IEEE Wireless Communications Letters, 2020, 9, 2163-2167.	3.2	10
121	Robust Beamforming Optimization for Intelligent Reflecting Surface Aided Cognitive Radio Networks. , 2020, , .		10
122	Parallel Deep Reinforcement Learning Based Online User Association Optimization in Heterogeneous Networks. , 2020, , .		9
123	MIMO Radar Beampattern Design Based on Manifold Optimization Method. IEEE Communications Letters, 2022, 26, 1086-1090.	2.5	9
124	A Trellis-Based Passive Beamforming Design for an Intelligent Reflecting Surface-Aided MISO System. IEEE Communications Letters, 2022, 26, 1071-1075.	2.5	9
125	Caching and UAV Friendly Jamming for Secure Communications With Active Eavesdropping Attacks. IEEE Transactions on Vehicular Technology, 2022, 71, 11251-11256.	3.9	9
126	MAC Based Energy Efficiency in Cooperative Cognitive Radio Network in the Presence of Malicious Users. IEEE Access, 2018, 6, 5666-5677.	2.6	7

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127	Resource Allocation for UAV-Assisted IoT Networks with Energy Harvesting and Computation Offloading. , 2019, , .		7
128	Widely linear block-diagonalization type precoding in massive mimo systems with IQ imbalance. , 2015, , .		6
129	Content offloading via D2D communications based on user interests and sharing willingness. , 2017, , .		6
130	Robust Beamforming With Pilot Reuse Scheduling in a Heterogeneous Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2018, 67, 7242-7256.	3.9	6
131	D2D-Enabled User Cooperation in Massive MIMO. IEEE Systems Journal, 2020, 14, 4406-4417.	2.9	6
132	User Cooperation for RIS-aided Secure SWIPT MIMO Systems under the passive eavesdropping. , 2021, , .		6
133	Analysis and Optimization of RIS-aided Massive MIMO Systems with Statistical CSI. , 2021, , .		6
134	Blocking Probability in Obstructed Tunnels With Reconfigurable Intelligent Surface. IEEE Communications Letters, 2022, 26, 458-462.	2.5	6
135	Optimal beamforming for single group multicast systems based on weighted sum rate. , 2013, , .		5
136	Pricing-based distributed power control for weighted sum energy-efficiency maximization in ad hoc networks. , 2014, , .		5
137	Energy Efficiency Optimization for MIMO Distributed Antenna Systems. , 2015, , .		5
138	Simplified matrix polynomial-aided block diagonalization precoding for massive MIMO systems. , 2016, , .		5
139	Robust Transmission Design for Multicell D2D Underlaid Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5922-5936.	3.9	5
140	Joint bandwidth, caching and association optimization for D2D assisted wireless networks. , 2018, , .		5
141	An Achievable Region for the Multiple Access Wiretap Channels with Confidential and Open Messages. , 2020, , .		5
142	Joint Power Allocation and Passive Beamforming Design for IRS-Assisted Physical-Layer Service Integration. IEEE Transactions on Wireless Communications, 2021, 20, 7286-7301.	6.1	5
143	Fairness-Oriented Multiple RIS-Aided mmWave Transmission: Stochastic Optimization Methods. IEEE Transactions on Signal Processing, 2022, 70, 1402-1417.	3.2	5
144	User cooperation for IRS-aided secure MIMO systems. Intelligent and Converged Networks, 2022, 3, 86-102.	3.2	5

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145	Robust Transmission Design for Intelligent Reflecting Surface Aided Secure Communications. , 2020, , .		4
146	Private Federated Learning With Misaligned Power Allocation via Over-the-Air Computation. IEEE Communications Letters, 2022, 26, 1994-1998.	2.5	4
147	Joint Precoding and RRH Selection for Green MIMO C-RAN. , 2016, , .		3
148	Content Offloading via D2D Communications with the Impact of User Preferences and Selfishness. , 2017, , .		3
149	Power Control and Resource Allocation for Multi-Cell OFDM Networks With Load Coupling. IEEE Access, 2018, 6, 15969-15979.	2.6	3
150	Average Data Rate and Decoding Error Probability Analysis for IRS-aided URLLC in a Factory Automation Scenario. , 2021, , .		3
151	Multi-Pair Two-Way Massive MIMO DF Relaying Over Rician Fading Channels Under Imperfect CSI. IEEE Wireless Communications Letters, 2022, 11, 225-229.	3.2	3
152	Deep Reinforcement Learning-Based Resource Management for Flexible Mobile Edge Computing: Architectures, Applications, and Research Issues. IEEE Vehicular Technology Magazine, 2022, 17, 85-93.	2.8	3
153	Energy-efficient joint beamforming and antenna selection for multicast systems. , 2013, , .		2
154	Downlink SINR Study in Multiuser Large Scale Antenna Systems. Wireless Personal Communications, 2014, 79, 1539-1556.	1.8	2
155	Achievable rate analysis of large scale antenna systems with hardware mismatch in UL/DL. , 2014, , .		2
156	Correlation-driven optimized Taylor expansion precoding for massive MIMO systems with correlated channels. , 2017, , .		2
157	Outage probability and fronthaul usage tradeoff caching strategy in cloud-RAN. , 2017, , .		2
158	Power Efficient User Cooperative Computation to Maximize Completed Tasks in MEC Networks. , 2019, , .		2
159	RIS-Aided mmWave Transmission: A Stochastic Majorization-Minimization Approach. , 2021, , .		2
160	Is Multipath Channel Beneficial for Wideband Massive MIMO With Low-Resolution ADCs?. IEEE Transactions on Communications, 2021, 69, 4083-4097.	4.9	2
161	Capacity Results for Range-Limited SISO and MISO Dimmable VLC Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 4465-4470.	3.9	2
162	Performance Analysis for Channel-Weighted Federated Learning in OMA Wireless Networks. IEEE Signal Processing Letters, 2022, 29, 772-776.	2.1	2

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163	Channel Estimation for RIS-Aided Millimeter-Wave Massive MIMO Systems : (Invited Paper). , 2021, , .		2
164	Energy-efficient hybrid precoding for millimeter wave MIMO systems. , 2015, , .		1
165	Resource Allocation and Power Control for Power Minimization in OFDM Networks. , 2017, , .		1
166	UAV-Assisted Data Rate Maximization Under 3-D Channel Model. , 2021, , .		1
167	Joint Optimization for Full-Duplex Cellular Communications Via Intelligent Reflecting Surface. , 2021, , .		1
168	Transmit Power Minimization for Secure Short-packet Transmission in a Mission-Critical IoT Scenario. , 2020, , .		1
169	Max-Min Energy Efficiency for RIS-aided HetNets with Hardware Impairments and Imperfect CSI. , 2021, , .		1
170	Multi-user OFDM subcarrier allocation for cognition radio. , 2011, , .		0
171	Energy efficient and interference management with MISO beamforming in femtocells. , 2013, , .		0
172	An online algorithm of energy-efficient and interference suppression beamforming for cognitive MISO-OFDM interference channels. , 2013, , .		0
173	Pricing-based distributed beamforming for weighted sum energy-efficiency in MISO ad hoc networks. , 2015, , .		0
174	Joint Pilot Allocation and Robust Beam-Vector Design for Ultra-Dense TDD C-RAN. , 2017, , .		0
175	Dynamic Pilot Reuse in Distributed Massive MIMO Systems. , 2017, , .		0
176	Simultaneous Terahertz Information and Power Transfer (STIPT) with Self-Sustainable Intelligent Reflecting Surface. , 2021, , .		0