

Cunhua Pan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160
papers

4,625
citations

36
h-index

63
g-index

176
ext. papers

6,191
ext. citations

6.4
avg, IF

6.68
L-index

#	Paper	IF	Citations
160	Multi-Pair Two-Way Massive MIMO DF Relaying Over Rician Fading Channels Under Imperfect CSI. <i>IEEE Wireless Communications Letters</i> , 2022 , 11, 225-229	5.9	3
159	Long-Term CSI-based Design for RIS-Aided Multiuser MISO Systems Exploiting Deep Reinforcement Learning. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	2
158	Capacity Results for Range-Limited SISO and MISO Dimmable VLC Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	
157	Robust Beamforming Design for IRS-aided Secure SWIPT Terahertz Systems with Non-linear EH Model. <i>IEEE Wireless Communications Letters</i> , 2022 , 1-1	5.9	3
156	Self-Sustainable Reconfigurable Intelligent Surface Aided Simultaneous Terahertz Information and Power Transfer (STIPT). <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	4
155	Intelligent Reflecting Surface-Aided URLLC in a Factory Automation Scenario. <i>IEEE Transactions on Communications</i> , 2022 , 70, 707-723	6.9	16
154	MIMO Radar Beampattern Design Based on Manifold Optimization Method. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	2
153	Sum-Rate Maximization for Intelligent Reflecting Surface Assisted Terahertz Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	7
152	Fairness-Oriented Multiple RIS-Aided mmWave Transmission: Stochastic Optimization Methods. <i>IEEE Transactions on Signal Processing</i> , 2022 , 70, 1402-1417	4.8	1
151	Active RIS Versus Passive RIS: Which Is Superior with the Same Power Budget?. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	15
150	Channel Estimation for RIS-Aided Multiuser Millimeter-Wave Systems. <i>IEEE Transactions on Signal Processing</i> , 2022 , 70, 1478-1492	4.8	8
149	Performance Analysis for Channel-Weighted Federated Learning in OMA Wireless Networks. <i>IEEE Signal Processing Letters</i> , 2022 , 29, 772-776	3.2	0
148	A Trellis-based Passive Beamforming Design for an Intelligent Reflecting Surface-Aided MISO System. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	1
147	Deep Reinforcement Learning-Based Resource Management for Flexible Mobile Edge Computing: Architectures, Applications, and Research Issues. <i>IEEE Vehicular Technology Magazine</i> , 2022 , 2-10	9.9	
146	Channel Estimation With Reconfigurable Intelligent Surfaces--A General Framework. <i>Proceedings of the IEEE</i> , 2022 , 1-27	14.3	13
145	Power Scaling Law Analysis and Phase Shift Optimization of RIS-aided Massive MIMO Systems with Statistical CSI. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	14
144	User cooperation for IRS-aided secure MIMO systems. <i>Intelligent and Converged Networks</i> , 2022 , 3, 86-102		0

143	Double Intelligent Reflecting Surface-assisted Multi-User MIMO mmWave Systems with Hybrid Precoding. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	9
142	Blocking Probability in Obstructed Tunnels with Reconfigurable Intelligent Surface. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	3
141	RIS-Aided D2D Communications Relying on Statistical CSI with Imperfect Hardware. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	3
140	Joint Optimization of UAV Trajectory and Sensor Uploading Powers for UAV-assisted Data Collection in Wireless Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
139	Ergodic Rate Analysis of Reconfigurable Intelligent Surface-Aided Massive MIMO Systems with ZF Detectors. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	9
138	Robust Transmission Design for RIS-Aided Communications with Both Transceiver Hardware Impairments and Imperfect CSI. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	1
137	Statistical CSI-Based Transmission Design for Reconfigurable Intelligent Surface-aided Massive MIMO Systems with Hardware Impairments. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	4
136	Joint Optimization for RIS-Assisted Wireless Communications: From Physical and Electromagnetic Perspectives. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	3
135	Communication-and-Computing Latency Minimization for UAV-Enabled Virtual Reality Delivery Systems. <i>IEEE Transactions on Communications</i> , 2021 , 69, 1723-1735	6.9	12
134	Uplink Achievable Rate of Intelligent Reflecting Surface-Aided Millimeter-Wave Communications With Low-Resolution ADC and Phase Noise. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 654-658	5.9	18
133	Robust Transmission Design for Intelligent Reflecting Surface-Aided Secure Communication Systems With Imperfect Cascaded CSI. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2487-2501	9.6	59
132	Analysis and Optimization for RIS-Aided Multi-Pair Communications Relying on Statistical CSI. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3897-3901	6.8	25
131	Low-Complexity Robust Beamforming Design for IRS-Aided MISO Systems With Imperfect Channels. <i>IEEE Communications Letters</i> , 2021 , 25, 1697-1701	3.8	11
130	Statistical CSI-Based Design for Reconfigurable Intelligent Surface-Aided Massive MIMO Systems With Direct Links. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1128-1132	5.9	33
129	Random Shifting Intelligent Reflecting Surface for OTP Encrypted Data Transmission. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1192-1196	5.9	10
128	RIS-Aided mmWave Transmission: A Stochastic Majorization-Minimization Approach 2021 ,		2
127	Cost Minimization for Cooperative Computation Framework in MEC Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 3670-3684	9.6	3
126	Joint Optimization for Full-Duplex Cellular Communications Via Intelligent Reflecting Surface 2021 ,		1

125	Reconfigurable Intelligent Surfaces for 6G Systems: Principles, Applications, and Research Directions. <i>IEEE Communications Magazine</i> , 2021 , 59, 14-20	9.1	100
124	Is Multipath Channel Beneficial for Wideband Massive MIMO With Low-Resolution ADCs?. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4083-4097	6.9	1
123	Secure Wireless Communication in RIS-Aided MISO System With Hardware Impairments. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1309-1313	5.9	15
122	UAV-Assisted and Intelligent Reflecting Surfaces-Supported Terahertz Communications. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1256-1260	5.9	39
121	User Cooperation for RIS-aided Secure SWIPT MIMO Systems under the passive eavesdropping 2021 ,		1
120	Analysis and Optimization of Massive Access to the IoT Relying on Multi-Pair Two-Way Massive MIMO Relay Systems. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4585-4598	6.9	5
119	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 1623-1635	10.7	7
118	Packet Error Probability and Effective Throughput for Ultra-Reliable and Low-Latency UAV Communications. <i>IEEE Transactions on Communications</i> , 2021 , 69, 73-84	6.9	20
117	Multi-Agent Deep Reinforcement Learning-Based Trajectory Planning for Multi-UAV Assisted Mobile Edge Computing. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 7, 73-84	6.6	64
116	Asymptotic Analysis of Max-Min Weighted SINR for IRS-Assisted MISO Systems with Hardware Impairments. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	10
115	Robust Beamforming Design for Intelligent Reflecting Surface Aided Cognitive Radio Systems with Imperfect Cascaded CSI. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 1-1	6.6	9
114	Distributed Resource Scheduling for Large-Scale MEC Systems: A Multi-Agent Ensemble Deep Reinforcement Learning with Imitation Acceleration. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
113	Stochastic Learning-Based Robust Beamforming Design for RIS-Aided Millimeter-Wave Systems in the Presence of Random Blockages. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 1057-1061	6.8	19
112	AI Driven Heterogeneous MEC System with UAV Assistance for Dynamic Environment: Challenges and Solutions. <i>IEEE Network</i> , 2021 , 35, 400-408	11.4	22
111	Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 837-851	4.8	42
110	Analysis and Optimization of RIS-aided Massive MIMO Systems with Statistical CSI 2021 ,		4
109	Coverage Probability of Distributed IRS Systems Under Spatially Correlated Channels. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1722-1726	5.9	18
108	Resource Allocation for Intelligent Reflecting Surface Aided Wireless Powered Mobile Edge Computing in OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5389-5407	9.6	35

107	UAV-Assisted Intelligent Reflecting Surface Symbiotic Radio System. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5769-5785	9.6	48
106	Reconfigurable Intelligent Surface Aided Massive MIMO Systems With Low-Resolution DACs. <i>IEEE Communications Letters</i> , 2021 , 25, 3124-3128	3.8	5
105	Reconfigurable Intelligent Surfaces-Assisted Multiuser MIMO Uplink Transmission With Partial CSI. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5613-5627	9.6	22
104	Joint Power Allocation and Passive Beamforming Design for IRS-Assisted Physical-Layer Service Integration. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	3
103	Deep Reinforcement Learning Based Dynamic Trajectory Control for UAV-assisted Mobile Edge Computing. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	18
102	Intelligent Reflecting Surface-assisted MU-MISO Systems with Imperfect Hardware: Channel Estimation and Beamforming Design. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	30
101	Channel Estimation for RIS-Aided Millimeter-Wave Massive MIMO Systems : (Invited Paper) 2021 ,		1
100	Reconfigurable Intelligent Surface Aided Mobile Edge Computing. <i>IEEE Wireless Communications</i> , 2021 , 28, 80-86	13.4	8
99	Stacked Autoencoder-Based Deep Reinforcement Learning for Online Resource Scheduling in Large-Scale MEC Networks. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9278-9290	10.7	12
98	Intelligent Reflecting Surface Aided Multigroup Multicast MISO Communication Systems. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 3236-3251	4.8	118
97	Multicell MIMO Communications Relying on Intelligent Reflecting Surfaces. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5218-5233	9.6	328
96	Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 8003-8007	6.8	31
95	Resource Allocation for Secure URLLC in Mission-Critical IoT Scenarios. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5793-5807	6.9	36
94	Robust Beamforming Design for Intelligent Reflecting Surface Aided MISO Communication Systems. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1658-1662	5.9	98
93	Energy Efficiency Optimization for Distributed Antenna Systems With D2D Communications Under Channel Uncertainty. <i>IEEE Transactions on Green Communications and Networking</i> , 2020 , 4, 1037-1047	4	5
92	Intelligent Reflecting Surface Aided MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 1719-1734	14.2	308
91	Joint Pilot and Payload Power Allocation for Massive-MIMO-Enabled URLLC IIoT Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 816-830	14.2	42
90	Latency Minimization for Intelligent Reflecting Surface Aided Mobile Edge Computing. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 2666-2682	14.2	141

89	Offloading Optimization for Low-Latency Secure Mobile Edge Computing Systems. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 480-484	5.9	17
88	Robust Beamforming Optimization for Intelligent Reflecting Surface Aided Cognitive Radio Networks 2020 ,		5
87	Transmit Power Minimization for Secure Short-packet Transmission in a Mission-Critical IoT Scenario 2020 ,		1
86	Detection Performance to Spatially Random UAV Using the Ground Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16320-16324	6.8	4
85	Robust Transmission Design for Intelligent Reflecting Surface Aided Secure Communications 2020 ,		2
84	Outage Analysis for Intelligent Reflecting Surface Assisted Vehicular Communication Networks 2020 ,		11
83	A Caching Strategy Towards Maximal D2D Assisted Offloading Gain. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 19, 2489-2504	4.6	6
82	D2D-Enabled User Cooperation in Massive MIMO. <i>IEEE Systems Journal</i> , 2020 , 14, 4406-4417	4.3	3
81	Throughput Maximization for Full-Duplex UAV Aided Small Cell Wireless Systems. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 475-479	5.9	15
80	Joint Power and Blocklength Optimization for URLLC in a Factory Automation Scenario. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 1786-1801	9.6	55
79	Deep-Learning-Based Joint Resource Scheduling Algorithms for Hybrid MEC Networks. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 6252-6265	10.7	62
78	An Achievable Region for the Multiple Access Wiretap Channels with Confidential and Open Messages 2020 ,		2
77	Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 11445-11457	6.8	39
76	Parallel Deep Reinforcement Learning Based Online User Association Optimization in Heterogeneous Networks 2020 ,		4
75	A Framework of Robust Transmission Design for IRS-Aided MISO Communications With Imperfect Cascaded Channels. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 5092-5106	4.8	141
74	Data Rate Maximization in UAV-Assisted C-RAN. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 2163-2167	5.9	5
73	Artificial-Noise-Aided Secure MIMO Wireless Communications via Intelligent Reflecting Surface. <i>IEEE Transactions on Communications</i> , 2020 , 68, 7851-7866	6.9	93
72	Robust Energy-Efficient Multigroup Multicast Beamforming for Multi-Beam Satellite Communications 2020 ,		4

71	Secure Communications for UAV-Enabled Mobile Edge Computing Systems. <i>IEEE Transactions on Communications</i> , 2020 , 68, 376-388	6.9	80
70	Weighted Sum-Rate Maximization for the Ultra-Dense User-Centric TDD C-RAN Downlink Relying on Imperfect CSI. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1182-1198	9.6	20
69	Achievable Data Rate for URLLC-Enabled UAV Systems With 3-D Channel Model. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1587-1590	5.9	53
68	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8159-8172	6.8	19
67	Ergodic Rate Analysis of Cooperative Ambient Backscatter Communication. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1679-1682	5.9	16
66	Performance Analysis for User-Centric Dense Networks With mmWave. <i>IEEE Access</i> , 2019 , 7, 14537-14548	3.5	9
65	Robust Beamforming Design for Ultra-Dense User-Centric C-RAN in the Face of Realistic Pilot Contamination and Limited Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 780-795	9.6	20
64	Joint Trajectory and Communication Design for Secure UAV Networks. <i>IEEE Communications Letters</i> , 2019 , 23, 636-639	3.8	36
63	Detection of Jamming Attack in Non-Coherent Massive SIMO Systems. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 2387-2399	8	10
62	Joint Blocklength and Location Optimization for URLLC-Enabled UAV Relay Systems. <i>IEEE Communications Letters</i> , 2019 , 23, 498-501	3.8	91
61	Efficient Resource Allocation for Mobile-Edge Computing Networks With NOMA: Completion Time and Energy Minimization. <i>IEEE Transactions on Communications</i> , 2019 , 67, 7771-7784	6.9	46
60	Energy Efficient Resource Allocation in UAV-Enabled Mobile Edge Computing Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4576-4589	9.6	161
59	Resource Allocation for URLLC in 5G Mission-Critical IoT Networks 2019 ,		13
58	Resource Allocation Schemes Based on Coalition Games for Vehicular Communications. <i>IEEE Communications Letters</i> , 2019 , 23, 2340-2343	3.8	7
57	Resource Allocation for UAV-Assisted IoT Networks with Energy Harvesting and Computation Offloading 2019 ,		4
56	Power Efficient User Cooperative Computation to Maximize Completed Tasks in MEC Networks 2019 ,		2
55	Joint Power, Altitude, Location and Bandwidth Optimization for UAV With Underlaid D2D Communications. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 524-527	5.9	25
54	Joint UAV Hovering Altitude and Power Control for Space-Air-Ground IoT Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1741-1753	10.7	137

53	Optimal Fairness-Aware Time and Power Allocation in Wireless Powered Communication Networks. <i>IEEE Transactions on Communications</i> , 2018 , 66, 3122-3135	6.9	17
52	MAC Based Energy Efficiency in Cooperative Cognitive Radio Network in the Presence of Malicious Users. <i>IEEE Access</i> , 2018 , 6, 5666-5677	3.5	3
51	Robust Transmission Design for Multicell D2D Underlaid Cellular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 5922-5936	6.8	4
50	Low-Latency C-RAN: An Next-Generation Wireless Approach. <i>IEEE Vehicular Technology Magazine</i> , 2018 , 13, 48-56	9.9	21
49	Joint Pilot Allocation and Robust Transmission Design for Ultra-Dense User-Centric TDD C-RAN With Imperfect CSI. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2038-2053	9.6	33
48	Energy Efficient Resource Allocation in Machine-to-Machine Communications With Multiple Access and Energy Harvesting for IoT. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 229-245	10.7	124
47	Power Control for Multi-Cell Networks With Non-Orthogonal Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 927-942	9.6	53
46	Resource Allocation for D2D Communications Underlying a NOMA-Based Cellular Network. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 130-133	5.9	78
45	Multiple-Antenna-Assisted Non-Orthogonal Multiple Access. <i>IEEE Wireless Communications</i> , 2018 , 25, 17-23	13.4	65
44	Tradeoff Caching Strategy of the Outage Probability and Fronthaul Usage in a Cloud-RAN. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6383-6397	6.8	18
43	Energy-Efficient D2D Communications Underlying NOMA-Based Networks With Energy Harvesting. <i>IEEE Communications Letters</i> , 2018 , 22, 914-917	3.8	58
42	Power Control and Resource Allocation for Multi-Cell OFDM Networks With Load Coupling. <i>IEEE Access</i> , 2018 , 6, 15969-15979	3.5	3
41	Compressive Sensing-Based User Clustering for Downlink NOMA Systems With Decoding Power. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 660-664	3.2	6
40	Joint bandwidth, caching and association optimization for D2D assisted wireless networks 2018 ,		3
39	Pilot Allocation and Sum-Rate Analysis in Cell-Free Massive MIMO Systems 2018 ,		11
38	Cache Placement in Two-Tier HetNets With Limited Storage Capacity: Cache or Buffer?. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5415-5429	6.9	22
37	Joint Altitude, Beamwidth, Location, and Bandwidth Optimization for UAV-Enabled Communications. <i>IEEE Communications Letters</i> , 2018 , 22, 1716-1719	3.8	76
36	2018 , 56, 14-20		93

35	Robust Beamforming With Pilot Reuse Scheduling in a Heterogeneous Cloud Radio Access Network. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7242-7256	6.8	5
34	Improving Wireless Physical Layer Security via D2D Communication 2018 ,		7
33	The Non-Coherent Ultra-Dense C-RAN Is Capable of Outperforming Its Coherent Counterpart at a Limited Fronthaul Capacity. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 2549-2560	14.2	16
32	Power- and Rate-Adaptation Improves the Effective Capacity of C-RAN for Nakagami- m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10841-10855	6.8	10
31	Energy Efficiency Optimization for MIMO Distributed Antenna Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 2276-2288	6.8	35
30	On Consideration of Content Preference and Sharing Willingness in D2D Assisted Offloading. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 1-1	14.2	35
29	Widely Linear Precoding for Large-Scale MIMO with IQI: Algorithms and Performance Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 3298-3312	9.6	31
28	Joint User Selection and Energy Minimization for Ultra-Dense Multi-channel C-RAN With Incomplete CSI. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 1809-1824	14.2	50
27	On the Optimality of Power Allocation for NOMA Downlinks With Individual QoS Constraints. <i>IEEE Communications Letters</i> , 2017 , 21, 1649-1652	3.8	103
26	Joint Precoding and RRH Selection for User-Centric Green MIMO C-RAN. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2891-2906	9.6	111
25	Content Offloading via D2D Communications with the Impact of User Preferences and Selfishness 2017 ,		3
24	Joint Fronthaul Link Selection and Transmit Precoding for Energy Efficiency Maximization of Multiuser MIMO-Aided Distributed Antenna Systems. <i>IEEE Transactions on Communications</i> , 2017 , 65, 5180-5196	6.9	7
23	Content offloading via D2D communications based on user interests and sharing willingness 2017 ,		2
22	Correlation-driven optimized Taylor expansion precoding for massive MIMO systems with correlated channels 2017 ,		2
21	Joint Time Allocation and Power Control in Multicell Networks With Load Coupling: Energy Saving and Rate Improvement. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10470-10485	6.8	11
20	Hybrid Digital-to-Analog Beamforming Approaches to Maximise the Capacity of mm-Wave Systems 2017 ,		6
19	Outage probability and fronthaul usage tradeoff caching strategy in cloud-RAN 2017 ,		2
18	Resource Allocation and Power Control for Power Minimization in OFDM Networks 2017 ,		1

17	Energy Efficient Transmission for Multicast Services in MISO Distributed Antenna Systems. <i>IEEE Communications Letters</i> , 2016 , 20, 756-759	3.8	17
16	Simplified matrix polynomial-aided block diagonalization precoding for massive MIMO systems 2016 ,		4
15	Capacity Maximisation for Hybrid Digital-to-Analog Beamforming mm-Wave Systems 2016 ,		16
14	Pricing-Based Distributed Energy-Efficient Beamforming for MISO Interference Channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 710-722	14.2	34
13	Iterative Receiver for Flip-OFDM in Optical Wireless Communication. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1729-1732	2.2	12
12	Weighted Sum Energy Efficiency Maximization in Ad Hoc Networks. <i>IEEE Wireless Communications Letters</i> , 2015 , 4, 233-236	5.9	27
11	Widely linear block-diagonalization type precoding in massive mimo systems with IQ imbalance 2015 ,		5
10	. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 6325-6338	9.6	26
9	Energy Efficiency Optimization for MIMO Distributed Antenna Systems 2015 ,		5
8	Receiver Design for PAM-DMT in Indoor Optical Wireless Links. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 161-164	2.2	15
7	Large-Scale Antenna Systems With UL/DL Hardware Mismatch: Achievable Rates Analysis and Calibration. <i>IEEE Transactions on Communications</i> , 2015 , 63, 1216-1229	6.9	65
6	. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 5056-5069	9.6	18
5	Distributed Energy-Efficient Power Optimization for CoMP Systems With Max-Min Fairness. <i>IEEE Communications Letters</i> , 2014 , 18, 999-1002	3.8	42
4	Downlink SINR Study in Multiuser Large Scale Antenna Systems. <i>Wireless Personal Communications</i> , 2014 , 79, 1539-1556	1.9	1
3	Pricing-based distributed power control for weighted sum energy-efficiency maximization in ad hoc networks 2014 ,		5
2	Achievable rate analysis of large scale antenna systems with hardware mismatch in UL/DL 2014 ,		2
1	Optimal beamforming for single group multicast systems based on weighted sum rate 2013 ,		5