

Haiyang Zhang

List of Publications by Year in descending order

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4,154
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117571

34
h-index

149623

56
g-index

256
all docs

256
docs citations

256
times ranked

3621
citing authors

#	ARTICLE	IF	CITATIONS
1	On Optimal Power Allocation for Downlink Non-Orthogonal Multiple Access Systems. IEEE Journal on Selected Areas in Communications, 2017, , 1-1.	9.7	235
2	Coordinated Multicell Multiuser Precoding for Maximizing Weighted Sum Energy Efficiency. IEEE Transactions on Signal Processing, 2014, 62, 741-751.	3.2	212
3	Power-Efficient Communication in UAV-Aided Wireless Sensor Networks. IEEE Communications Letters, 2018, 22, 1264-1267.	2.5	116
4	UAV-Assisted Intelligent Reflecting Surface Symbiotic Radio System. IEEE Transactions on Wireless Communications, 2021, 20, 5769-5785.	6.1	111
5	Spectral-Efficient Cellular Communications With Coexistent One- and Two-Hop Transmissions. IEEE Transactions on Vehicular Technology, 2016, 65, 6765-6772.	3.9	106
6	Codebook Design for Beam Alignment in Millimeter Wave Communication Systems. IEEE Transactions on Communications, 2017, 65, 4980-4995.	4.9	103
7	Energy-Efficient Cooperative Secure Transmission in Multi-UAV-Enabled Wireless Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7761-7775.	3.9	103
8	Overhearing Protocol Design Exploiting Intercell Interference in Cooperative Green Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 441-446.	3.9	102
9	Energy-Efficient Optimization for Downlink Massive MIMO FDD Systems With Transmit-Side Channel Correlation. IEEE Transactions on Vehicular Technology, 2016, 65, 7228-7243.	3.9	93
10	Energy Efficient MIMO Relay Transmissions via Joint Power Allocations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 531-535.	2.2	78
11	Intelligent Reflecting Surface-Aided Joint Processing Coordinated Multipoint Transmission. IEEE Transactions on Communications, 2021, 69, 1650-1665.	4.9	77
12	3D UAV Trajectory and Communication Design for Simultaneous Uplink and Downlink Transmission. IEEE Transactions on Communications, 2020, 68, 5908-5923.	4.9	66
13	Secrecy Performance of Transmit Antenna Selection for MIMO Relay Systems With Outdated CSI. IEEE Transactions on Communications, 2018, 66, 546-559.	4.9	64
14	Joint User Association and Power Control for Load Balancing in Downlink Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2582-2593.	3.9	61
15	UAV-Aided Mobile Edge Computing Systems With One by One Access Scheme. IEEE Transactions on Green Communications and Networking, 2019, 3, 664-678.	3.5	60
16	Secure Beamforming for SWIPT in Multiuser MISO Broadcast Channel With Confidential Messages. IEEE Communications Letters, 2015, 19, 1347-1350.	2.5	57
17	Secure Beamforming Design for SWIPT in MISO Broadcast Channel With Confidential Messages and External Eavesdroppers. IEEE Transactions on Wireless Communications, 2016, 15, 7807-7819.	6.1	55
18	A Joint Source and Relay Power Allocation Scheme for a Class of MIMO Relay Systems. IEEE Transactions on Signal Processing, 2009, 57, 4852-4860.	3.2	54

#	ARTICLE	IF	CITATIONS
19	Proactive Eavesdropping in UAV-Aided Suspicious Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 1993-1997.	3.9	54
20	Adaptive Overhearing in Two-Way Multi-Antenna Relay Channels. IEEE Signal Processing Letters, 2016, 23, 117-120.	2.1	53
21	Graph-Based Joint User-Centric Overlapped Clustering and Resource Allocation in Ultradense Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4440-4453.	3.9	53
22	Distributed Multicell Beamforming Design Approaching Pareto Boundary with Max-Min Fairness. IEEE Transactions on Wireless Communications, 2012, , 1-13.	6.1	52
23	Energy-Efficient Precoder Design for MIMO Wiretap Channels. IEEE Communications Letters, 2014, 18, 1559-1562.	2.5	52
24	Max-Min Energy Efficient Beamforming for Multicell Multiuser Joint Transmission Systems. IEEE Communications Letters, 2013, 17, 1956-1959.	2.5	46
25	Performance Analysis of Antenna Selection in Two-Way Relay Networks. IEEE Transactions on Signal Processing, 2015, 63, 2520-2532.	3.2	45
26	Robust Secure Beamforming for Wireless Powered Full-Duplex Systems With Self-Energy Recycling. IEEE Transactions on Vehicular Technology, 2017, 66, 10055-10069.	3.9	44
27	Double Coded Caching in Ultra Dense Networks: Caching and Multicast Scheduling via Deep Reinforcement Learning. IEEE Transactions on Communications, 2020, 68, 1071-1086.	4.9	42
28	Energy-Efficient Optimization for UAV-Aided Cellular Offloading. IEEE Wireless Communications Letters, 2019, 8, 769-772.	3.2	40
29	Throughput Maximization for UAV-Aided Backscatter Communication Networks. IEEE Transactions on Communications, 2020, 68, 1254-1270.	4.9	40
30	Game Theoretic Max-logit Learning Approaches for Joint Base Station Selection and Resource Allocation in Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 1068-1081.	9.7	39
31	Joint CoMP Transmission for UAV-Aided Cognitive Satellite Terrestrial Networks. IEEE Access, 2019, 7, 14959-14968.	2.6	39
32	How to Deploy Multiple UAVs for Providing Communication Service in an Unknown Region?. IEEE Wireless Communications Letters, 2019, 8, 1276-1279.	3.2	39
33	Wideband Millimeter Wave Communication With Lens Antenna Array: Joint Beamforming and Antenna Selection With Group Sparse Optimization. IEEE Transactions on Wireless Communications, 2018, 17, 6575-6589.	6.1	38
34	Throughput maximization for UAV-enabled wireless power transfer in relaying system. , 2017, , .		37
35	Beam-Blocked Channel Estimation for FDD Massive MIMO With Compressed Feedback. IEEE Access, 2017, 5, 11791-11804.	2.6	36
36	Energy Efficient Coordinated Beamforming Design in Multi-Cell Multicast Networks. IEEE Communications Letters, 2015, 19, 985-988.	2.5	35

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37	A Multi-Cell Beamforming Design by Uplink-Downlink Max-Min SINR Duality. IEEE Transactions on Wireless Communications, 2012, , 1-10.	6.1	34
38	QoS-Aware User Association for Load Balancing in Heterogeneous Cellular Networks. , 2014, , .		33
39	Performance Analysis for Massive MIMO Downlink With Low Complexity Approximate Zero-Forcing Precoding. IEEE Transactions on Communications, 2018, 66, 3848-3864.	4.9	33
40	The Efficient BackFi Transmission Design in Ambient Backscatter Communication Systems for IoT. IEEE Access, 2019, 7, 31397-31408.	2.6	33
41	Throughput Maximization for Full-Duplex UAV Aided Small Cell Wireless Systems. IEEE Wireless Communications Letters, 2020, 9, 475-479.	3.2	33
42	A Novel Wireless Communication Paradigm for Intelligent Reflecting Surface Based Symbiotic Radio Systems. IEEE Transactions on Signal Processing, 2022, 70, 550-565.	3.2	32
43	Jamming-Assisted Proactive Eavesdropping Over Two Suspicious Communication Links. IEEE Transactions on Wireless Communications, 2020, 19, 4817-4830.	6.1	31
44	A Normalized Complex LMS Based Blind I/Q Imbalance Compensator for GFDM Receivers and Its Full Second-Order Performance Analysis. IEEE Transactions on Signal Processing, 2018, 66, 4701-4712.	3.2	29
45	Wideband millimeter wave communication: Single carrier based hybrid precoding with sparse optimization. IEEE Transactions on Vehicular Technology, 2018, 67, 9696-9710.	3.9	29
46	Energy-efficient user association in downlink heterogeneous cellular networks. IET Communications, 2016, 10, 1553-1561.	1.5	28
47	Joint Design of User Association and Power Allocation With Proportional Fairness in Massive MIMO HetNets. IEEE Access, 2017, 5, 6560-6569.	2.6	28
48	Resource Optimization for Device-to-Device and Small Cell Uplink Communications Underlying Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1187-1201.	3.9	28
49	Secure User-Centric Clustering for Energy Efficient Ultra-Dense Networks: Design and Optimization. IEEE Journal on Selected Areas in Communications, 2018, 36, 1609-1621.	9.7	28
50	Per-Antenna Constant Envelope Precoding and Antenna Subset Selection: A Geometric Approach. IEEE Transactions on Signal Processing, 2016, 64, 6089-6104.	3.2	27
51	Energy Efficient Beamforming for Massive MIMO Public Channel. IEEE Transactions on Vehicular Technology, 2017, 66, 10595-10600.	3.9	27
52	Resource Optimization in Heterogeneous Cloud Radio Access Networks. IEEE Communications Letters, 2018, 22, 494-497.	2.5	27
53	The multi-objective deployment optimization of UAV-mounted cache-enabled base stations. Physical Communication, 2019, 34, 114-120.	1.2	27
54	Secure Beamforming for Full-Duplex Wireless Powered Communication Systems With Self-Energy Recycling. IEEE Wireless Communications Letters, 2017, 6, 146-149.	3.2	26

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55	Load-aware user association with quality of service support in heterogeneous cellular networks. IET Communications, 2015, 9, 494-500.	1.5	25
56	Energy-efficient resource allocation for device-to-device communication with WPT. IET Communications, 2017, 11, 326-334.	1.5	25
57	Hybrid Precoding for Wideband Millimeter-Wave Systems With Finite Resolution Phase Shifters. IEEE Transactions on Vehicular Technology, 2018, 67, 11285-11290.	3.9	25
58	Multi-Agent Reinforcement Learning Based Distributed Transmission in Collaborative Cloud-Edge Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 1658-1672.	3.9	24
59	Energy-efficiency resource allocation of very large multi-user MIMO systems. Wireless Networks, 2014, 20, 1421-1430.	2.0	22
60	IQ Imbalance Compensation for Generalized Frequency Division Multiplexing Systems. IEEE Wireless Communications Letters, 2017, 6, 422-425.	3.2	21
61	Parameter Estimation for Multi-Scale Multi-Lag Underwater Acoustic Channels Based on Modified Particle Swarm Optimization Algorithm. IEEE Access, 2017, 5, 4808-4820.	2.6	21
62	Joint Antenna Selection and Energy-Efficient Beamforming Design. IEEE Signal Processing Letters, 2016, , 1-1.	2.1	20
63	Performance Analysis of Heterogeneous Networks With Interference Cancellation. IEEE Transactions on Vehicular Technology, 2017, 66, 6969-6981.	3.9	20
64	Modularity-Based User-Centric Clustering and Resource Allocation for Ultra Dense Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 12457-12461.	3.9	20
65	Energy harvesting balancing technique for robust beamforming in multiuser MISO SWIPT system. , 2013, , .		19
66	Optimal Resource Partitioning and Bit Allocation for UAV-Enabled Mobile Edge Computing. , 2018, , .		19
67	Hybrid Policy Learning for Energy-Latency Tradeoff in MEC-Assisted VR Video Service. IEEE Transactions on Vehicular Technology, 2021, 70, 9006-9021.	3.9	19
68	Exploiting BS Antenna Tilt for SWIPT in 3-D Massive MIMO Systems. IEEE Wireless Communications Letters, 2017, 6, 666-669.	3.2	18
69	Energy optimization for Cellular-Connected UAV Mobile Edge Computing Systems. , 2018, , .		18
70	Energy efficient design for multiuser downlink energy and uplink information transfer in 5G. Science China Information Sciences, 2016, 59, 1-8.	2.7	17
71	Performance Scaling Law for Multicell Multiuser Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 9890-9903.	3.9	17
72	Performance Evaluation and Analysis of Millimeter Wave Communication System. IEEE Systems Journal, 2019, 13, 159-170.	2.9	16

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73	User association with jointly maximising downlink sum rate and minimising uplink sum power for heterogeneous cellular networks. IET Communications, 2015, 9, 300-308.	1.5	15
74	Performance analysis on precoding and pilot scheduling in very large MIMO multi-cell systems. , 2013, , .		13
75	Cooperative Precoding for Wireless Energy Transfer and Secure Cognitive Radio Coexistence Systems. IEEE Signal Processing Letters, 2017, 24, 540-544.	2.1	13
76	A Cooperative Relay Selection for Two-Way Cooperative Relay Networks in Nakagami Channels. Wireless Personal Communications, 2013, 71, 2045-2065.	1.8	12
77	Approximate Closed-Form Energy Efficient PA for MIMO Relaying Systems in the High SNR Regime. IEEE Communications Letters, 2014, 18, 1367-1370.	2.5	12
78	Power-Efficient Beam Designs for Millimeter Wave Communication Systems. IEEE Transactions on Wireless Communications, 2020, 19, 1265-1279.	6.1	12
79	Deep Neural Network Aided Low-Complexity MPA Receivers for Uplink SCMA Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 9050-9062.	3.9	12
80	Optimal energy efficient joint power allocation for two-hop single-antenna relaying systems. Transactions on Emerging Telecommunications Technologies, 2014, 25, 745-751.	2.6	11
81	Energy-Efficient Resource Allocation in Uplink Multiuser Massive MIMO Systems. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	0.7	11
82	Cooperative Multi-Subarray Beam Training in Millimeter Wave Communication Systems. , 2017, , .		11
83	Joint user scheduling and hybrid precoding design for MIMO C-RAN. , 2017, , .		11
84	Robust Multigroup Multicast Beamforming Design for Backhaul-Limited Cloud Radio Access Network. IEEE Signal Processing Letters, 2019, 26, 189-193.	2.1	11
85	Outage analysis for simultaneous wireless information and power transfer in dual-hop relaying networks. Wireless Networks, 2019, 25, 837-844.	2.0	11
86	Analysis of Least Stochastic Entropy Adaptive Filters for Noncircular Gaussian Signals. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1364-1368.	2.2	11
87	Complex Properness Inspired Blind Adaptive Frequency-Dependent I/Q Imbalance Compensation for Wideband Direct-Conversion Receivers. IEEE Transactions on Wireless Communications, 2020, 19, 5982-5992.	6.1	11
88	Unsupervised Recurrent Federated Learning for Edge Popularity Prediction in Privacy-Preserving Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2022, 9, 24328-24345.	5.5	11
89	Improved nonlinear multiuser precoding using lattice reduction. Signal, Image and Video Processing, 2009, 3, 47-52.	1.7	10
90	Location-aided channel tracking and downlink transmission for HST massive MIMO systems. IET Communications, 2017, 11, 2082-2088.	1.5	10

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91	Proactive Eavesdropping via Jamming in Cognitive Radio Networks. , 2018, , .		10
92	Performance Analysis of Multihop Relaying Caching for Internet of Things under Nakagami Channels. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	0.8	10
93	Hybrid Precoding for Single Carrier Wideband Multi-Subarray Millimeter Wave Systems. IEEE Wireless Communications Letters, 2019, 8, 484-487.	3.2	10
94	Joint User Scheduling and Beam Selection in mmWave Networks Based on Multi-Agent Reinforcement Learning. , 2020, , .		10
95	Improper Gaussian Signaling for Downlink NOMA Systems With Imperfect Successive Interference Cancellation. IEEE Transactions on Wireless Communications, 2022, 21, 7753-7763.	6.1	10
96	Optimal Relay Precoding for Two-Hop AF Transmission and Performance Analysis over Rayleigh-Fading Channels. IEEE Transactions on Communications, 2011, 59, 3072-3079.	4.9	9
97	Statistical beamforming for FDD massive MIMO downlink systems. , 2015, , .		9
98	Asymmetric subarray structure design for mmWave LoS MIMO communication systems. , 2016, , .		9
99	Pilot Contamination Reduction in Multi-cell TDD Systems with Very Large MIMO Arrays. Wireless Personal Communications, 2017, 96, 5785-5808.	1.8	9
100	A learning-based approach for proactive caching in wireless communication networks. , 2017, , .		9
101	Analysis of Panel Antenna Arrays in Los MIMO System. IEEE Access, 2018, 6, 23303-23315.	2.6	9
102	Energy-efficient optimisation for UAV-aided wireless sensor networks. IET Communications, 2019, 13, 972-980.	1.5	9
103	User Association and Power Allocation Based on Unsupervised Graph Model in Ultra-Dense Network. , 2021, , .		9
104	Ergodic rate analysis for massive MIMO relay systems with multi-pair users under imperfect CSI. , 2015, , .		8
105	Performance analysis of low-complexity channel prediction for uplink massive MIMO. IET Communications, 2016, 10, 1744-1751.	1.5	8
106	An Overview of China Millimeter-Wave Multiple Gigabit Wireless Local Area Network System. IEICE Transactions on Communications, 2018, E101.B, 262-276.	0.4	8
107	Proactive Eavesdropping of Two Suspicious Communication Links via Jamming. , 2019, , .		8
108	A game-theoretic learning approach to QoE-driven resource allocation scheme in 5G-enabled IoT. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	8

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109	Placement Delivery Array Design via Attention-Based Sequence-to-Sequence Model With Deep Neural Network. IEEE Wireless Communications Letters, 2019, 8, 372-375.	3.2	8
110	Multi-beam receive scheme for millimetre wave wireless communication system. IET Communications, 2019, 13, 216-222.	1.5	8
111	Transmission scheme and performance analysis for decode-and-forward MIMO two-way relay systems. Science in China Series F: Information Sciences, 2009, 52, 2308-2316.	1.1	7
112	Energy-efficient resource allocation in multi-user OFDMA systems. , 2011, , .		7
113	Throughput enhancement for VHT WLANs based on two-level network allocation vector. , 2012, , .		7
114	Energy-efficient resource allocation in C-RAN with fronthaul rate constraints. , 2016, , .		7
115	Joint User Association and Interference Mitigation for D2D-Enabled Heterogeneous Cellular Networks. Mobile Networks and Applications, 2016, 21, 589-602.	2.2	7
116	Channel Characteristic and Capacity Analysis of Millimeter Wave MIMO Beamforming System. , 2016, , .		7
117	Beam-blocked compressive channel estimation for FDD massive MIMO systems. , 2016, , .		7
118	Antenna selection for two-way full duplex massive MIMO networks with amplify-and-forward relay. Science China Information Sciences, 2017, 60, 1.	2.7	7
119	SINR balancing technique for robust beamforming in V2X-SWIPT system based on a non-linear EH model. Physical Communication, 2018, 29, 95-102.	1.2	7
120	Going beyond Secrecy Rate via Information Jamming. , 2018, , .		7
121	Positioning Algorithm and AoD Estimation for mmWave FD-MISO System. , 2018, , .		7
122	Fine-Grained Analysis on Downlink LEO Satellite-Terrestrial mmWave Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 1871-1875.	3.2	7
123	Combined adaptive beamforming with space-time block coding for multi-antenna communications. Science in China Series F: Information Sciences, 2008, 51, 2062-2073.	1.1	6
124	Simultaneous Wireless Information and Power Transfer in a MISO Broadcast Channel with Confidential Messages. , 2015, , .		6
125	A fast parallel matrix inversion algorithm based on heterogeneous multicore architectures. , 2015, , .		6
126	Proactive Caching in Auto Driving Scene via Deep Reinforcement Learning. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
127	Learning-Based Resource Allocation in Heterogeneous Ultradense Network. IEEE Internet of Things Journal, 2022, 9, 20229-20242.	5.5	6
128	Coordinated energy-efficient precoding for CR MIMO interference channels. , 2014, , .		5
129	Performance Analysis of Antenna Selection in Two-Way Decode-and-Forward Relay Networks. , 2014, , .		5
130	Energy Efficient Joint User Association and Power Allocation Design in Massive MIMO Empowered Dense HetNets. , 2016, , .		5
131	Max-min fair robust beamforming design for multi-user MISO SWIPT systems. , 2016, , .		5
132	Resource allocation for device-to-device and small cell uplink communication networks. , 2016, , .		5
133	Resource Efficiency: A New Beamforming Design for Multicell Multiuser Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 6063-6074.	3.9	5
134	Cache-Enabled Adaptive Bit Rate Streaming via Deep Self-Transfer Reinforcement Learning. , 2018, , .		5
135	UAV-Aided Backscatter Networks: Joint UAV Trajectory and Protocol Design. , 2019, , .		5
136	Compact Multi-Wideband Array for Millimeter-Wave Communications Using Squint Beams. IEEE Access, 2020, 8, 183146-183164.	2.6	5
137	CAAGP: Rethinking channel attention with adaptive global pooling for liver tumor segmentation. Computers in Biology and Medicine, 2021, 138, 104875.	3.9	5
138	A Two-Way MIMO Relaying Scheme with Partial Channel State Information. Wireless Personal Communications, 2013, 72, 1949-1968.	1.8	4
139	Performance of antenna selection for two-way relay networks with Physical Network Coding. , 2013, , .		4
140	Energy efficient power allocation scheme in heterogeneous cellular networks. , 2015, , .		4
141	Energy-efficient transmission for decode-and-forward dual-hop networks with asymmetric traffic demands. IET Communications, 2015, 9, 1781-1787.	1.5	4
142	Energy-efficient precoding design for cloud radio access networks. IET Communications, 2017, 11, 1864-1870.	1.5	4
143	Energy-Efficient Cooperative Hybrid Precoding for Millimeter-Wave Communication Networks. , 2018, , .		4
144	A Novel Approach for the Estimation of Doubly Spread Acoustic Channels Based on Wavelet Transform. Applied Sciences (Switzerland), 2018, 8, 38.	1.3	4

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145	Personalized optimal bicycle trip planning based on Q-learning algorithm. , 2018, , .		4
146	Green Base Station Assignment for NOMA-Enabled HCNs. IEEE Access, 2019, 7, 53018-53031.	2.6	4
147	Joint service improvement and content placement for cache-enabled heterogeneous cellular networks. IET Signal Processing, 2019, 13, 253-261.	0.9	4
148	Multiobjective Precoder Design for Coexisting Wireless Energy Transfer and Information Transmission Systems. IEEE Systems Journal, 2020, 14, 445-456.	2.9	4
149	Beyond Secrecy Rate in MISO Wiretap Channels: An Information Jamming Approach. IEEE Transactions on Communications, 2020, 68, 3057-3067.	4.9	4
150	Bistatic Backscatter Communication: Shunt Network Design. IEEE Internet of Things Journal, 2021, 8, 7691-7705.	5.5	4
151	Influence of Autoencoder-Based Data Augmentation on Deep Learning-Based Wireless Communication. IEEE Wireless Communications Letters, 2021, 10, 2090-2093.	3.2	4
152	A Limited Feedback SDMA Scheme with Dynamic Multiplexing Order. Circuits, Systems, and Signal Processing, 2010, 29, 247-262.	1.2	3
153	Performance of multiple relay selection with QoS requirement for cooperative relay networks. , 2013, , .		3
154	Secure Transmission Scheme for SWIPT in MISO Broadcast Channel with Confidential Messages and External Eavesdroppers. , 2015, , .		3
155	Energy efficient multi-pair transmission in large-scale multi-antenna relay systems. , 2015, , .		3
156	Low complexity complex matrix inversion method for MIMO communication systems. , 2015, , .		3
157	Constant envelope precoding for secure millimeter-wave wireless communication. , 2017, , .		3
158	Resource allocation for outage performance in heterogeneous networks: a matching game approach. Wireless Networks, 2018, 24, 1873-1883.	2.0	3
159	Optimal Design of Multiple Panel Arrays in LoS MIMO System. , 2019, , .		3
160	Secure Wireless Information and Power Transfer Based on Tilt Adaptation in 3-D Massive MIMO Systems. IEEE Access, 2019, 7, 5531-5540.	2.6	3
161	A Multi-level Feature Fusion Network for Real-time Semantic Segmentation. , 2019, , .		3
162	Joint Device Association and Power Coordination for H2H and IoT Communications in Massive MIMO Enabled HCNs. IEEE Access, 2020, 8, 72971-72984.	2.6	3

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163	Joint User Association and Time Partitioning for Load Balancing in Ultra-Dense Heterogeneous Networks. <i>Mobile Networks and Applications</i> , 2021, 26, 909-922.	2.2	3
164	Video captioning via a symmetric bidirectional decoder. <i>IET Computer Vision</i> , 2021, 15, 283-296.	1.3	3
165	Performance of Remote Radio Unit Selection in Millimeter-Wave Distributed Antenna Systems Over Fluctuating Two-Ray Fading. <i>IEEE Wireless Communications Letters</i> , 2022, 11, 235-239.	3.2	3
166	Performance Analysis of Cache-Enabled User Association for Hybrid Heterogeneous Cellular Networks. <i>IEEE Transactions on Communications</i> , 2022, 70, 2518-2531.	4.9	3
167	A Privacy-Preserved Split Learning Solution for Deep Learning-Based mmWave Beam Selection. <i>IEEE Communications Letters</i> , 2022, 26, 1474-1478.	2.5	3
168	(Semi-)blind channel estimation for space time block coded system with transmit diversity. <i>Signal, Image and Video Processing</i> , 2007, 1, 89-97.	1.7	2
169	Adaptive Transmission for Finite-Rate Feedback MIMO Systems. , 2008, , .		2
170	Dynamic Resource Allocation for Downlink Multiuser MIMO-OFDMA/SDMA Systems. <i>Circuits, Systems, and Signal Processing</i> , 2010, 29, 1061-1074.	1.2	2
171	Performance analysis of relay selection for two-way cooperative relay networks. , 2011, , .		2
172	The Performance Analysis and Access Mechanism of Small Cell Network. , 2013, , .		2
173	Power control and low-complexity receiver for uplink massive MIMO systems. , 2014, , .		2
174	Robust transmission for simultaneous wireless information and power transfer systems with secrecy constraints. , 2014, , .		2
175	Duality Based Energy-Efficient Beamforming Design for Multiuser Downlink Systems. <i>IEEE Wireless Communications Letters</i> , 2014, 3, 409-412.	3.2	2
176	Robust collaborative relay beamforming design for two-way relay systems with reciprocal CSI. <i>Wireless Networks</i> , 2015, 21, 2209-2221.	2.0	2
177	Performance analysis of self-organizing heterogeneous network with interference cancellation. , 2015, , .		2
178	Optimal Energy-Efficient Resource Allocation for Massive MIMO FDD Downlink System. , 2015, , .		2
179	Enhanced power-save multi-poll mechanism for multi-user downlink transmission in WLAN. , 2015, , .		2
180	Interference-tolerating transmission protocol design for three-cell systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016, 27, 474-483.	2.6	2

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181	Coordinated multicell beamforming for massive multiple-input multiple-output systems based on uplink-downlink duality. IET Communications, 2016, 10, 2380-2390.	1.5	2
182	Hierarchy precoder design for multi-cell multiuser multiple-input-multiple-output wireless networks with interference alignment. IET Signal Processing, 2016, 10, 218-226.	0.9	2
183	Analysis over Spectral Efficiency and Power Scaling in Massive MIMO Dual-Hop Systems with Multi-Pair Users. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1665-1673.	0.2	2
184	Training sequence design for channel estimation and IQ imbalance compensation in GFDM systems. , 2017, , .		2
185	Smart Longitudinal Velocity Control of Autonomous Vehicles in Interactions With Distracted Human-Driven Vehicles. IEEE Access, 2019, 7, 168060-168074.	2.6	2
186	Conquering the Worst Case of Infections in Networks. IEEE Access, 2020, 8, 2835-2846.	2.6	2
187	Design of a novel wireless information surveillance scheme assisted by reconfigurable intelligent surface. IET Communications, 2022, 16, 1545-1557.	1.5	2
188	An improved interference mitigation scheme based on interference subspace alignment. , 2011, , .		1
189	Performance analysis of two-way relaying satellite mobile communication. , 2011, , .		1
190	Asymptotic Performance of Two-User Interference Channels Using Coordinated Zero-Forcing. IEEE Communications Letters, 2012, 16, 608-611.	2.5	1
191	Joint Transceiver Design for Cooperative Multi-cell Systems with Multiple Users. Circuits, Systems, and Signal Processing, 2013, 32, 167-181.	1.2	1
192	Robust multi-cell joint transmission beamforming based on uplink-downlink duality. , 2013, , .		1
193	Robust beamforming design under imperfect CSI for two-way relay system with reciprocal channels. , 2014, , .		1
194	Robust precoding for joint transmission in multicell multiuser downlink systems. IET Communications, 2014, 8, 2026-2034.	1.5	1
195	Multicell coordinated beamforming for WSRM with imperfect CSI at both transceiver sides. , 2014, , .		1
196	An efficient low PAPR training sequence design scheme under spectral constraints in mm-Wave OFDM communication. , 2015, , .		1
197	Phase noise mitigation for millimeter-wave SC-FDE MIMO systems. , 2015, , .		1
198	Optimal Energy to Spectral-Efficiency Trade-off in Cooperative Networks. Wireless Personal Communications, 2015, 82, 1547-1566.	1.8	1

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199	Performance analysis of relay-aided heterogeneous networks with interference cancellation. , 2015, , .		1
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