Yongming Huang

List of Publications by Year
in descending order

215 papers	7,188 citations	66315 42 h-index	64755 79 g-index
216 all docs	216 docs citations	216 times ranked	5157 citing authors

#	Article	IF	Citations
1	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
2	Millimeter Wave Communications for Future Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 1909-1935.	9.7	797
3	On Optimal Power Allocation for Downlink Non-Orthogonal Multiple Access Systems. IEEE Journal on Selected Areas in Communications, 2017, , 1-1.	9.7	235
4	Coordinated Multicell Multiuser Precoding for Maximizing Weighted Sum Energy Efficiency. IEEE Transactions on Signal Processing, 2014, 62, 741-751.	3.2	212
5	Coordinated Beamforming for Energy Efficient Transmission in Multicell Multiuser Systems. IEEE Transactions on Communications, 2013, 61, 4961-4971.	4.9	163
6	Performance Analysis of Multi-Antenna Hybrid Satellite-Terrestrial Relay Networks in the Presence of Interference. IEEE Transactions on Communications, 2015, 63, 4390-4404.	4.9	163
7	Codebook-Based Hybrid Precoding for Millimeter Wave Multiuser Systems. IEEE Transactions on Signal Processing, 2017, 65, 5289-5304.	3.2	145
8	Outage Performance of Cognitive Hybrid Satellite–Terrestrial Networks With Interference Constraint. IEEE Transactions on Vehicular Technology, 2016, 65, 9397-9404.	3.9	137
9	Power-Efficient Communication in UAV-Aided Wireless Sensor Networks. IEEE Communications Letters, 2018, 22, 1264-1267.	2.5	116
10	Distributed Multicell Beamforming With Limited Intercell Coordination. IEEE Transactions on Signal Processing, 2011, 59, 728-738.	3.2	109
11	Power Efficient IRS-Assisted NOMA. IEEE Transactions on Communications, 2021, 69, 900-913.	4.9	106
12	Codebook Design for Beam Alignment in Millimeter Wave Communication Systems. IEEE Transactions on Communications, 2017, 65, 4980-4995.	4.9	103
13	Energy-Efficient Cooperative Secure Transmission in Multi-UAV-Enabled Wireless Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7761-7775.	3.9	103
14	Robust Secure Beamforming for 5G Cellular Networks Coexisting With Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 932-945.	9.7	102
15	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
16	Signal Processing for MIMO-NOMA: Present and Future Challenges. IEEE Wireless Communications, 2018, 25, 32-38.	6.6	93
17	Accelerated Structure-Aware Sparse Bayesian Learning for Three-Dimensional Electrical Impedance Tomography. IEEE Transactions on Industrial Informatics, 2019, 15, 5033-5041.	7.2	92
18	Symbol Error Analysis of Hybrid Satellite–Terrestrial Cooperative Networks With Cochannel Interference. IEEE Communications Letters, 2014, 18, 1947-1950.	2.5	90

#	Article	IF	Citations
19	Efficient Multitask Structure-Aware Sparse Bayesian Learning for Frequency-Difference Electrical Impedance Tomography. IEEE Transactions on Industrial Informatics, 2021, 17, 463-472.	7.2	88
20	On Massive MIMO Zero-Forcing Transceiver Using Time-Shifted Pilots. IEEE Transactions on Vehicular Technology, 2016, 65, 59-74.	3.9	83
21	Energy-Efficient Transceiver Design for Hybrid Sub-Array Architecture MIMO Systems. IEEE Access, 2016, 4, 9895-9905.	2.6	79
22	Sum-Rate Analysis for Massive MIMO Downlink With Joint Statistical Beamforming and User Scheduling. IEEE Transactions on Wireless Communications, 2017, 16, 2181-2194.	6.1	78
23	Learning Rate Optimization for Federated Learning Exploiting Over-the-Air Computation. IEEE Journal on Selected Areas in Communications, 2021, 39, 3742-3756.	9.7	68
24	Resource Management for Device-to-Device Communication: A Physical Layer Security Perspective. IEEE Journal on Selected Areas in Communications, 2018, 36, 946-960.	9.7	63
25	Leakage-Aware Energy-Efficient Beamforming for Heterogeneous Multicell Multiuser Systems. IEEE Journal on Selected Areas in Communications, 2014, 32, 1268-1281.	9.7	62
26	Rank Minimization-Based Toeplitz Reconstruction for DoA Estimation Using Coprime Array. IEEE Communications Letters, 2021, 25, 2265-2269.	2.5	61
27	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
28	Feature fusion methods research based on deep belief networks for speech emotion recognition under noise condition. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 1787-1798.	3.3	59
29	A Limited Feedback Joint Precoding for Amplify-and-Forward Relaying. IEEE Transactions on Signal Processing, 2010, 58, 1347-1357.	3.2	58
30	Secure Beamforming for SWIPT in Multiuser MISO Broadcast Channel With Confidential Messages. IEEE Communications Letters, 2015, 19, 1347-1350.	2.5	57
31	Convexity of Weighted Sum Rate Maximization in NOMA Systems. IEEE Signal Processing Letters, 2017, 24, 1323-1327.	2.1	57
32	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
33	Constant Envelope Hybrid Precoding for Directional Millimeter-Wave Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 845-859.	9.7	55
34	Distributed Multicell Beamforming Design Approaching Pareto Boundary with Max-Min Fairness. IEEE Transactions on Wireless Communications, 2012, , 1-13.	6.1	52
35	Energy-Efficient Precoder Design for MIMO Wiretap Channels. IEEE Communications Letters, 2014, 18, 1559-1562.	2.5	52
36	Time Sequence Learning for Electrical Impedance Tomography Using Bayesian Spatiotemporal Priors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6045-6057.	2.4	52

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37	Blockchain-enabled wireless communications: a new paradigm towards 6G. National Science Review, 2021, 8, nwab069.	4.6	52
38	Ergodic Achievable Secrecy Rate of Multiple-Antenna Relay Systems With Cooperative Jamming. IEEE Transactions on Wireless Communications, 2016, 15, 2537-2551.	6.1	49
39	Max-Min Energy Efficient Beamforming for Multicell Multiuser Joint Transmission Systems. IEEE Communications Letters, 2013, 17, 1956-1959.	2.5	46
40	Beam Alignment and Tracking for Millimeter Wave Communications via Bandit Learning. IEEE Transactions on Communications, 2020, 68, 5519-5533.	4.9	46
41	Performance Analysis of Antenna Selection in Two-Way Relay Networks. IEEE Transactions on Signal Processing, 2015, 63, 2520-2532.	3.2	45
42	Energy Optimization for Cellular-Connected Multi-UAV Mobile Edge Computing Systems with Multi-Access Schemes. Journal of Communications and Information Networks, 2018, 3, 33-44.	3.5	45
43	Proactive Caching for Vehicular Multi-View 3D Video Streaming via Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2019, 18, 2693-2706.	6.1	43
44	Robust Multi-Objective Beamforming for Integrated Satellite and High Altitude Platform Network With Imperfect Channel State Information. IEEE Transactions on Signal Processing, 2019, 67, 6384-6396.	3.2	41
45	Energy Efficient Coordinated Beamforming for Multicell System: Duality-Based Algorithm Design and Massive MIMO Transition. IEEE Transactions on Communications, 2015, 63, 4920-4935.	4.9	40
46	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
47	Joint CoMP Transmission for UAV-Aided Cognitive Satellite Terrestrial Networks. IEEE Access, 2019, 7, 14959-14968.	2.6	39
48	Cloud-Edge Coordinated Processing: Low-Latency Multicasting Transmission. IEEE Journal on Selected Areas in Communications, 2019, 37, 1144-1158.	9.7	39
49	Distributed Optimization of Hierarchical Small Cell Networks: A GNEP Framework. IEEE Journal on Selected Areas in Communications, 2017, 35, 249-264.	9.7	38
50	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
51	Beam-Blocked Channel Estimation for FDD Massive MIMO With Compressed Feedback. IEEE Access, 2017, 5, 11791-11804.	2.6	36
52	Energy Efficient Coordinated Beamforming Design in Multi-Cell Multicast Networks. IEEE Communications Letters, 2015, 19, 985-988.	2.5	35
53	Decentralized Energy-Efficient Coordinated Beamforming for Multicell Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 4302-4314.	3.9	34
54	Joint Optimization of Analog Beam and User Scheduling for Millimeter Wave Communications. IEEE Communications Letters, 2017, 21, 2638-2641.	2.5	33

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55	Performance Analysis for Massive MIMO Downlink With Low Complexity Approximate Zero-Forcing Precoding. IEEE Transactions on Communications, 2018, 66, 3848-3864.	4.9	33
56	Intelligent Interactive Beam Training for Millimeter Wave Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2034-2048.	6.1	33
57	Secure Transmissions in Wireless Information and Power Transfer Millimeter-Wave Ultra-Dense Networks. IEEE Transactions on Information Forensics and Security, 2019, 14, 1817-1829.	4.5	31
58	Joint DoA-Range Estimation Using Space-Frequency Virtual Difference Coarray. IEEE Transactions on Signal Processing, 2022, 70, 2576-2592.	3.2	31
59	On Optimal Beamforming Design for Downlink MISO NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3008-3020.	3.9	30
60	Distributed Reinforcement Learning for Privacy-Preserving Dynamic Edge Caching. IEEE Journal on Selected Areas in Communications, 2022, 40, 749-760.	9.7	30
61	Design and implementation of a tdd-based 128-antenna massive MIMO prototype system. China Communications, 2017, 14, 162-187.	2.0	29
62	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
63	Wideband millimeter wave communication: Single carrier based hybrid precoding with sparse optimization. IEEE Transactions on Vehicular Technology, 2018, 67, 9696-9710.	3.9	29
64	Extraction of adaptive wavelet packet filterâ€bankâ€based acoustic feature for speech emotion recognition. IET Signal Processing, 2015, 9, 341-348.	0.9	28
65	Energyâ€efficient user association in downlink heterogeneous cellular networks. IET Communications, 2016, 10, 1553-1561.	1.5	28
66	Resource Optimization for Device-to-Device and Small Cell Uplink Communications Underlaying Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1187-1201.	3.9	28
67	Outage probability minimization for low-altitude UAV-enabled full-duplex mobile relaying systems. China Communications, 2018, 15, 9-24.	2.0	28
68	Beamforming Design for Multiuser uRLLC With Finite Blocklength Transmission. IEEE Transactions on Wireless Communications, 2021, 20, 8096-8109.	6.1	28
69	Per-Antenna Constant Envelope Precoding and Antenna Subset Selection: A Geometric Approach. IEEE Transactions on Signal Processing, 2016, 64, 6089-6104.	3.2	27
70	Energy Efficient Beamforming for Massive MIMO Public Channel. IEEE Transactions on Vehicular Technology, 2017, 66, 10595-10600.	3.9	27
71	Exploiting Long-Term Channel Correlation in Limited Feedback SDMA Through Channel Phase Codebook. IEEE Transactions on Signal Processing, 2011, 59, 1217-1228.	3.2	25
72	Energyâ€efficient resource allocation for deviceâ€toâ€device communication with WPT. IET Communications, 2017, 11, 326-334.	1.5	25

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73	Analysis of Millimeter-Wave Multi-Hop Networks With Full-Duplex Buffered Relays. IEEE/ACM Transactions on Networking, 2018, 26, 576-590.	2.6	25
74	Hybrid Precoding for Wideband Millimeter-Wave Systems With Finite Resolution Phase Shifters. IEEE Transactions on Vehicular Technology, 2018, 67, 11285-11290.	3.9	25
75	Joint Channel Estimation and Tx/Rx I/Q Imbalance Compensation for GFDM Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1304-1317.	6.1	25
76	Low-Latency Heterogeneous Networks with Millimeter-Wave Communications. , 2018, 56, 124-129.		24
77	Multi-Agent Reinforcement Learning Based Distributed Transmission in Collaborative Cloud-Edge Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 1658-1672.	3.9	24
78	True-data testbed for 5G/B5G intelligent network. Intelligent and Converged Networks, 2021, 2, 133-149.	3.2	24
79	Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. IEEE Transactions on Vehicular Technology, 2020, 69, 16264-16269.	3.9	23
80	Energy-efficiency resource allocation of very large multi-user MIMO systems. Wireless Networks, 2014, 20, 1421-1430.	2.0	22
81	Noncircular Measurement and Mitigation of I/Q Imbalance for OFDM-Based WLAN Transmitters. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 383-393.	2.4	22
82	Feedback of Downlink Channel State Information Based on Superimposed Coding. IEEE Communications Letters, 2007, 11, 240-242.	2.5	21
83	IQ Imbalance Compensation for Generalized Frequency Division Multiplexing Systems. IEEE Wireless Communications Letters, 2017, 6, 422-425.	3.2	21
84	Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. IEEE Wireless Communications Letters, 2018, 7, 440-443.	3.2	21
85	Joint Antenna Selection and Energy-Efficient Beamforming Design. IEEE Signal Processing Letters, 2016, , 1-1.	2.1	20
86	Energy harvesting balancing technique for robust beamforming in multiuser MISO SWIPT system. , 2013, , .		19
87	Optimal Resource Partitioning and Bit Allocation for UAV-Enabled Mobile Edge Computing. , 2018, , .		19
88	Two-Level Transmission Scheme for Cache-Enabled Fog Radio Access Networks. IEEE Transactions on Communications, 2019, 67, 445-456.	4.9	19
89	Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3481-3485.	3.9	19
90	MEC-Enabled Wireless VR Video Service: A Learning-Based Mixed Strategy for Energy-Latency Tradeoff. , 2020, , .		19

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91	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
92	Energy optimization for Cellular-Connected UAV Mobile Edge Computing Systems. , 2018, , .		18
93	Hybrid Precoder Design for Cache-Enabled Millimeter-Wave Radio Access Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1707-1722.	6.1	18
94	Performance Scaling Law for Multicell Multiuser Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 9890-9903.	3.9	17
95	Cache-Enabled Coordinated Mobile Edge Network: Opportunities and Challenges. IEEE Wireless Communications, 2020, 27, 204-211.	6.6	17
96	A limited feedback precoding system with hierarchical codebook and linear receiver. IEEE Transactions on Wireless Communications, 2008, 7, 4843-4848.	6.1	16
97	Energy efficient coordinated precoding design for a multicell system with RF energy harvesting. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	16
98	A Collaborative Hotspot Caching Design for 5G Cellular Network. IEEE Access, 2018, 6, 38161-38170.	2.6	16
99	Performance Evaluation and Analysis of Millimeter Wave Communication System. IEEE Systems Journal, 2019, 13, 159-170.	2.9	16
100	Delay and Backlog Analysis for 60 GHz Wireless Networks. , 2016, , .		14
101	Beamforming Design for Downlink Non-Orthogonal Multiple Access Systems. IEEE Access, 2018, 6, 10956-10965.	2.6	14
102	Interleaved Training and Training-Based Transmission Design for Hybrid Massive Antenna Downlink. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 541-556.	7.3	14
103	Performance analysis on precoding and pilot scheduling in very large MIMO multi-cell systems. , 2013, , .		13
104	A Low-Complexity Multiuser Adaptive Modulation Scheme for Massive MIMO Systems. IEEE Signal Processing Letters, 2016, 23, 1464-1468.	2.1	13
105	Intelligent Beam Training for Millimeter-Wave Communications via Deep Reinforcement Learning. , 2019, , .		13
106	Joint Spatial Division and Multiplexing in Massive MIMO: A Neighbor-Based Approach. IEEE Transactions on Wireless Communications, 2020, 19, 7392-7406.	6.1	13
107	A Cooperative Relay Selection for Two-Way Cooperative Relay Networks in Nakagami Channels. Wireless Personal Communications, 2013, 71, 2045-2065.	1.8	12
108	EFFECT OF BEAMFORMING ON MULTI-ANTENNA TWO HOP ASYMMETRIC FADING CHANNELS WITH FIXED GAIN RELAYS. Progress in Electromagnetics Research, 2013, 133, 367-390.	1.6	12

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109	Power-Efficient Beam Designs for Millimeter Wave Communication Systems. IEEE Transactions on Wireless Communications, 2020, 19, 1265-1279.	6.1	12
110	Range-Dependent Beamforming Using Space-Frequency Virtual Difference Coarray. , 2021, , .		12
111	Deep Neural Network Aided Low-Complexity MPA Receivers for Uplink SCMA Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 9050-9062.	3.9	12
112	Asymptotic Achievable Rate Analysis for Selection Strategies in Amplify-and-Forward MIMO Two-Hop Networks With Feedback. IEEE Transactions on Vehicular Technology, 2010, 59, 3662-3668.	3.9	11
113	Energy-Efficient Resource Allocation in Uplink Multiuser Massive MIMO Systems. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	0.7	11
114	Cooperative Multi-Subarray Beam Training in Millimeter Wave Communication Systems. , 2017, , .		11
115	Joint User Scheduling and Beam Selection in mmWave Networks Based on Multi-Agent Reinforcement Learning. , 2020, , .		10
116	Learning-Aided Beam Prediction in mmWave MU-MIMO Systems for High-Speed Railway. IEEE Transactions on Communications, 2022, 70, 693-706.	4.9	10
117	A Limited Feedback SDMA for Downlink of Multiuser MIMO Communication System. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	9
118	Performance analysis of femtocells network with co-channel interference. Signal Processing, 2014, 100, 32-41.	2.1	9
119	Pilot Contamination Reduction in Multi-cell TDD Systems with Very Large MIMO Arrays. Wireless Personal Communications, 2017, 96, 5785-5808.	1.8	9
120	Analysis of Panel Antenna Arrays in Los MIMO System. IEEE Access, 2018, 6, 23303-23315.	2.6	9
121	Energyâ€efficient optimisation for UAVâ€aided wireless sensor networks. IET Communications, 2019, 13, 972-980.	1.5	9
122	An Energy-Efficient Collaborative Caching Scheme for 5G Wireless Network. IEEE Access, 2019, 7, 156907-156916.	2.6	9
123	Coordinated beamforming for sum rate maximization in multi-cell downlink systems. Signal Processing, 2014, 105, 22-29.	2.1	8
124	Research on Robustness of Emotion Recognition Under Environmental Noise Conditions. IEEE Access, 2019, 7, 142009-142021.	2.6	8
125	Downlink Resource Sharing in Multichannel Device-to-Device Communication. IEEE Wireless Communications Letters, 2019, 8, 741-744.	3.2	8
126	Energy-efficient resource allocation in multi-user OFDMA systems. , 2011, , .		7

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127	Area-classified interference coordination for heterogeneous cellular network. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	7
128	Energy-efficient resource allocation in C-RAN with fronthaul rate constraints. , 2016, , .		7
129	Beam-blocked compressive channel estimation for FDD massive MIMO systems. , 2016, , .		7
130	Maxâ€"Min Weighted Downlink SINR With Uplink SINR Constraints for Full-Duplex MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 3277-3292.	3.2	7
131	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
132	Positioning Algorithm and AoD Estimation for mmWave FD-MISO System. , 2018, , .		7
133	Optimal Power Allocation for Downlink NOMA Systems. , 2019, , 195-227.		7
134	Fine-Grained Analysis on Downlink LEO Satellite-Terrestrial mmWave Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 1871-1875.	3.2	7
135	Energy-efficient hybrid precoding for broadband millimeter wave communication systems. , 2017, , .		6
136	GBLinks: GNN-Based Beam Selection and Link Activation for Ultra-Dense D2D mmWave Networks. IEEE Transactions on Communications, 2022, 70, 3451-3466.	4.9	6
137	Network MIMO techniques. , 0, , 312-351.		5
138	Coordinated energy-efficient precoding for CR MIMO interference channels. , 2014, , .		5
139	Performance Analysis of Antenna Selection in Two-Way Decode-and-Forward Relay Networks. , 2014, , .		5
140	Speech Emotion Recognition Based on Coiflet Wavelet Packet Cepstral Coefficients. Communications in Computer and Information Science, 2014, , 436-443.	0.4	5
141	Improved Emotion Recognition with Novel Task-Oriented Wavelet Packet Features. Lecture Notes in Computer Science, 2014, , 706-714.	1.0	5
142	Energy Efficient Joint User Association and Power Allocation Design in Massive MIMO Empowered Dense HetNets. , 2016, , .		5
143	Resource Efficiency: A New Beamforming Design for Multicell Multiuser Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 6063-6074.	3.9	5
144	Multichannel Resource Allocation for Downlink Non-Orthogonal Multiple Access Systems. , 2017, , .		5

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145	Minimum Error Performance of Downlink Non-Orthogonal Multiple Access Systems. , 2019, , .		5
146	Performance of Integrated Satellite-Terrestrial Relay Network With Relay Selection and Outdated CSI. IEEE Access, 2020, 8, 169652-169662.	2.6	5
147	Performance analysis of network coding for multicast relay system over Nakagami-m fading channels. Science China Information Sciences, 2011, 54, 2338-2348.	2.7	4
148	Performance of antenna selection for two-way relay networks with Physical Network Coding. , 2013, , .		4
149	Energy efficient power allocation scheme in heterogeneous cellular networks. , 2015, , .		4
150	Energyâ€efficient precoding design for cloud radio access networks. IET Communications, 2017, 11, 1864-1870.	1.5	4
151	Energy-Efficient Cooperative Hybrid Precoding for Millimeter-Wave Communication Networks. , 2018, , .		4
152	On the Position Optimization of IRS. IEEE Internet of Things Journal, 2022, 9, 11712-11724.	5.5	4
153	DoA estimation based on accelerated structured alternating projection using coprime array. , 2022, , .		4
154	A Limited Feedback SDMA Scheme with Dynamic Multiplexing Order. Circuits, Systems, and Signal Processing, 2010, 29, 247-262.	1.2	3
155	Performance of multiple relay selection with QoS requirement for cooperative relay networks. , 2013, , .		3
156	Secure Transmission Scheme for SWIPT in MISO Broadcast Channel with Confidential Messages and External Eavesdroppers. , 2015, , .		3
157	Energy efficient multi-pair transmission in large-scale multi-antenna relay systems. , 2015, , .		3
158	On imperfect pricing in globally constrained noncooperative games for cognitive radio networks. Signal Processing, 2015, 117, 96-101.	2.1	3
159	Precoding design for interference mitigation in cognitive radio networks based on matrix distance. Computers and Electrical Engineering, 2016, 52, 307-318.	3.0	3
160	Constant envelope precoding for secure millimeter-wave wireless communication. , 2017, , .		3
161	Resource allocation for outage performance in heterogeneous networks: a matching game approach. Wireless Networks, 2018, 24, 1873-1883.	2.0	3
162	Interleaved Training Codebook Design for Millimeter-wave Communication System. , 2018, , .		3

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163	Optimal Design of Multiple Panel Arrays in LoS MIMO System. , 2019, , .		3
164	Maximizing the Set Cardinality of Users Scheduled for Ultra-Dense uRLLC Networks. IEEE Communications Letters, 2021, 25, 3952-3955.	2.5	3
165	Over-the-air Learning Rate Optimization for Federated Learning. , 2021, , .		3
166	Intelligent Optimization of Base Station Array Orientations via Scenario-Specific Modeling. IEEE Transactions on Communications, 2022, 70, 2117-2130.	4.9	3
167	Privacy-Preserving Federated Reinforcement Learning for Popularity-Assisted Edge Caching. , 2021, , .		3
168	Efficient Message Passing Receivers for Downlink MIMO-SCMA Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 5073-5086.	3.9	3
169	Performance Analysis of Cache-Enabled User Association for Hybrid Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2022, 70, 2518-2531.	4.9	3
170	Joint DoA-Range Estimation Using Moving Time-Modulated Frequency Diverse Coprime Array. , 2022, , .		3
171	Performance analysis of relay selection for two-way cooperative relay networks. , 2011, , .		2
172	Power control and low-complexity receiver for uplink massive MIMO systems. , 2014, , .		2
173	Duality Based Energy-Efficient Beamforming Design for Multiuser Downlink Systems. IEEE Wireless Communications Letters, 2014, 3, 409-412.	3.2	2
174	Robust collaborative relay beamforming design for two-way relay systems with reciprocal CSI. Wireless Networks, 2015, 21, 2209-2221.	2.0	2
175	Performance analysis of self-organizing heterogeneous network with interference cancellation. , 2015, , .		2
176	Optimal Energy-Efficient Resource Allocation for Massive MIMO FDD Downlink System. , 2015, , .		2
177	Hierarchy precoder design for multiâ€cell multiuser multipleâ€inputâ€"multipleâ€output wireless networks with interference alignment. IET Signal Processing, 2016, 10, 218-226.	0.9	2
178	Training sequence design for channel estimation and IQ imbalance compensation in GFDM systems. , 2017, , .		2
179	Hybrid Precoder Design for Millimeter Wave Systems Based on Geometric Construction. , 2017, , .		2
180	Near-Optimal Pilot Signal Design for FDD Massive MIMO System: An Energy-Efficient Perspective. IEEE Access, 2018, 6, 13275-13288.	2.6	2

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181	Cache-Enabled Hierarchical Transmission Scheme for Fog Radio Access Networks. , 2018, , .		2
182	Improperness Based SINR Analysis of GFDM Systems Under Joint Tx and Rx I/Q Imbalance. , 2020, , .		2
183	Cluster-Group-Based Two-Stage Beamforming for Massive MIMO. IEEE Transactions on Communications, 2022, 70, 1984-1998.	4.9	2
184	Beyond Supervised Power Control in Massive MIMO Network: Simple Deep Neural Network Solutions. IEEE Transactions on Vehicular Technology, 2022, 71, 3964-3979.	3.9	2
185	Design of a novel wireless information surveillance scheme assisted by reconfigurable intelligent surface. IET Communications, 2022, 16, 1545-1557.	1.5	2
186	Performance analysis of two-way relay systems based on partial channel state information. , 2011, , .		1
187	An improved interference mitigation scheme based on interference subspace alignment. , 2011, , .		1
188	Asymptotic Performance of Two-User Interference Channels Using Coordinated Zero-Forcing. IEEE Communications Letters, 2012, 16, 608-611.	2.5	1
189	Robust precoding for joint transmission in multicell multiuser downlink systems. IET Communications, 2014, 8, 2026-2034.	1.5	1
190	Energy Efficient Hybrid Precoding for Millimeter Wave F-RAN with Wireless Fronthaul. , 2018, , .		1
191	Millimeter Wave Massive MIMO. , 2018, , 1-4.		1
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193	Robust Beamforming for Joint Transceiver Design in <i>K</i>-User Interference Channel over Energy Efficient 5G. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1860-1864.	0.2	1
194	Non-conservative robust joint transmission beamforming for multicell multiuser systems. , 2013, , .		0
195	Coordinated Multicell Precoding for Weighted Sum Rate Maximization with Per-Cell EE Constraints. , 2014, , .		0
196	Energy-efficient coordinated precoding for multicell system with transceiver impairments. , 2014, , .		0
197	A new transceiver design based on weighted sum-MSE criterion for multi-cell MIMO interfering broadcast channels. , 2015, , .		0
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