Yongming

List of Publications by Year
in descending order

297 papers	7,399 citations	76326 40 h-index	71685 76 g-index
298 all docs	298 docs citations	298 times ranked	5491 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.	4.3	858
2	Millimeter Wave Communications for Future Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 1909-1935.	14.0	797
3	On Optimal Power Allocation for Downlink Non-Orthogonal Multiple Access Systems. IEEE Journal on Selected Areas in Communications, 2017, , 1-1.	14.0	235
4	Coordinated Multicell Multiuser Precoding for Maximizing Weighted Sum Energy Efficiency. IEEE Transactions on Signal Processing, 2014, 62, 741-751.	5.3	212
5	Performance Analysis of Multi-Antenna Hybrid Satellite-Terrestrial Relay Networks in the Presence of Interference. IEEE Transactions on Communications, 2015, 63, 4390-4404.	7.8	163
6	Codebook-Based Hybrid Precoding for Millimeter Wave Multiuser Systems. IEEE Transactions on Signal Processing, 2017, 65, 5289-5304.	5.3	145
7	Outage Performance of Cognitive Hybrid Satelliteâ€“Terrestrial Networks With Interference Constraint. IEEE Transactions on Vehicular Technology, 2016, 65, 9397-9404.	6.3	137
8	Power-Efficient Communication in UAV-Aided Wireless Sensor Networks. IEEE Communications Letters, 2018, 22, 1264-1267.	4.1	116
9	Power Efficient IRS-Assisted NOMA. IEEE Transactions on Communications, 2021, 69, 900-913.	7.8	106
10	Codebook Design for Beam Alignment in Millimeter Wave Communication Systems. IEEE Transactions on Communications, 2017, 65, 4980-4995.	7.8	103
11	Energy-Efficient Cooperative Secure Transmission in Multi-UAV-Enabled Wireless Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7761-7775.	6.3	103
12	Robust Secure Beamforming for 5G Cellular Networks Coexisting With Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 932-945.	14.0	102
13	Energy-Efficient Optimization for Downlink Massive MIMO FDD Systems With Transmit-Side Channel Correlation. IEEE Transactions on Vehicular Technology, 2016, 65, 7228-7243.	6.3	93
14	Accelerated Structure-Aware Sparse Bayesian Learning for Three-Dimensional Electrical Impedance Tomography. IEEE Transactions on Industrial Informatics, 2019, 15, 5033-5041.	11.3	92
15	Symbol Error Analysis of Hybrid Satelliteâ€“Terrestrial Cooperative Networks With Cochannel Interference. IEEE Communications Letters, 2014, 18, 1947-1950.	4.1	90
16	Efficient Multitask Structure-Aware Sparse Bayesian Learning for Frequency-Difference Electrical Impedance Tomography. IEEE Transactions on Industrial Informatics, 2021, 17, 463-472.	11.3	88
17	Energy-Efficient Transceiver Design for Hybrid Sub-Array Architecture MIMO Systems. IEEE Access, 2016, 4, 9895-9905.	4.2	79
18	Sum-Rate Analysis for Massive MIMO Downlink With Joint Statistical Beamforming and User Scheduling. IEEE Transactions on Wireless Communications, 2017, 16, 2181-2194.	9.2	78

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19	Learning Rate Optimization for Federated Learning Exploiting Over-the-Air Computation. IEEE Journal on Selected Areas in Communications, 2021, 39, 3742-3756.	14.0	68
20	Secrecy Performance of Transmit Antenna Selection for MIMO Relay Systems With Outdated CSI. IEEE Transactions on Communications, 2018, 66, 546-559.	7.8	64
21	Resource Management for Device-to-Device Communication: A Physical Layer Security Perspective. IEEE Journal on Selected Areas in Communications, 2018, 36, 946-960.	14.0	63
22	Rank Minimization-Based Toeplitz Reconstruction for DoA Estimation Using Coprime Array. IEEE Communications Letters, 2021, 25, 2265-2269.	4.1	61
23	UAV-Aided Mobile Edge Computing Systems With One by One Access Scheme. IEEE Transactions on Green Communications and Networking, 2019, 3, 664-678.	5.5	60
24	Secure Beamforming for SWIPT in Multiuser MISO Broadcast Channel With Confidential Messages. IEEE Communications Letters, 2015, 19, 1347-1350.	4.1	57
25	Resource Allocation for Hybrid NOMA MEC Offloading. IEEE Transactions on Wireless Communications, 2020, 19, 4964-4977.	9.2	57
26	Secure Beamforming Design for SWIPT in MISO Broadcast Channel With Confidential Messages and External Eavesdroppers. IEEE Transactions on Wireless Communications, 2016, 15, 7807-7819.	9.2	55
27	Constant Envelope Hybrid Precoding for Directional Millimeter-Wave Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 845-859.	14.0	55
28	Distributed Multicell Beamforming Design Approaching Pareto Boundary with Max-Min Fairness. IEEE Transactions on Wireless Communications, 2012, , 1-13.	9.2	52
29	Energy-Efficient Precoder Design for MIMO Wiretap Channels. IEEE Communications Letters, 2014, 18, 1559-1562.	4.1	52
30	Time Sequence Learning for Electrical Impedance Tomography Using Bayesian Spatiotemporal Priors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6045-6057.	4.7	52
31	Ergodic Achievable Secrecy Rate of Multiple-Antenna Relay Systems With Cooperative Jamming. IEEE Transactions on Wireless Communications, 2016, 15, 2537-2551.	9.2	49
32	Sea Clutter Cancellation for Passive Radar Sensor Exploiting Multi-Channel Adaptive Filters. IEEE Sensors Journal, 2019, 19, 982-995.	4.7	46
33	Beam Alignment and Tracking for Millimeter Wave Communications via Bandit Learning. IEEE Transactions on Communications, 2020, 68, 5519-5533.	7.8	46
34	Performance Analysis of Antenna Selection in Two-Way Relay Networks. IEEE Transactions on Signal Processing, 2015, 63, 2520-2532.	5.3	45
35	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.	5.2	45
36	Proactive Caching for Vehicular Multi-View 3D Video Streaming via Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2019, 18, 2693-2706.	9.2	43

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37	An Overview on the Application of Graph Neural Networks in Wireless Networks. IEEE Open Journal of the Communications Society, 2021, 2, 2547-2565.	6.9	43
38	Spectral and Energy Efficiency Tradeoff for Massive MIMO. IEEE Transactions on Vehicular Technology, 2018, 67, 6991-7002.	6.3	42
39	Double Coded Caching in Ultra Dense Networks: Caching and Multicast Scheduling via Deep Reinforcement Learning. IEEE Transactions on Communications, 2020, 68, 1071-1086.	7.8	42
40	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.	5.3	41
41	Energy-Efficient Optimization for UAV-Aided Cellular Offloading. IEEE Wireless Communications Letters, 2019, 8, 769-772.	5.0	40
42	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.	14.0	39
43	Joint CoMP Transmission for UAV-Aided Cognitive Satellite Terrestrial Networks. IEEE Access, 2019, 7, 14959-14968.	4.2	39
44	How to Deploy Multiple UAVs for Providing Communication Service in an Unknown Region?. IEEE Wireless Communications Letters, 2019, 8, 1276-1279.	5.0	39
45	Cloud-Edge Coordinated Processing: Low-Latency Multicasting Transmission. IEEE Journal on Selected Areas in Communications, 2019, 37, 1144-1158.	14.0	39
46	Distributed Optimization of Hierarchical Small Cell Networks: A GNEP Framework. IEEE Journal on Selected Areas in Communications, 2017, 35, 249-264.	14.0	38
47	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.	9.2	38
48	Sparse channel estimation based on compressed sensing for massive MIMO systems. , 2015, , .		37
49	Throughput maximization for UAV-enabled wireless power transfer in relaying system. , 2017, , .		37
50	Beam-Blocked Channel Estimation for FDD Massive MIMO With Compressed Feedback. IEEE Access, 2017, 5, 11791-11804.	4.2	36
51	A Multi-Cell Beamforming Design by Uplink-Downlink Max-Min SINR Duality. IEEE Transactions on Wireless Communications, 2012, , 1-10.	9.2	34
52	Decentralized Energy-Efficient Coordinated Beamforming for Multicell Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 4302-4314.	6.3	34
53	QoS-Aware User Association for Load Balancing in Heterogeneous Cellular Networks. , 2014, , .		33
54	Joint Optimization of Analog Beam and User Scheduling for Millimeter Wave Communications. IEEE Communications Letters, 2017, 21, 2638-2641.	4.1	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.	7.8	33
56	Intelligent Interactive Beam Training for Millimeter Wave Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2034-2048.	9.2	33
57	Energy-Efficient Resource Allocation for Energy Harvesting-Based Device-to-Device Communication. IEEE Transactions on Vehicular Technology, 2019, 68, 509-524.	6.3	32
58	An Attention-Based Approach for Single Image Super Resolution. , 2018, , .		31
59	Secure Transmissions in Wireless Information and Power Transfer Millimeter-Wave Ultra-Dense Networks. IEEE Transactions on Information Forensics and Security, 2019, 14, 1817-1829.	6.9	31
60	Joint DoA-Range Estimation Using Space-Frequency Virtual Difference Coarray. IEEE Transactions on Signal Processing, 2022, 70, 2576-2592.	5.3	31
61	On Optimal Beamforming Design for Downlink MISO NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3008-3020.	6.3	30
62	Distributed Reinforcement Learning for Privacy-Preserving Dynamic Edge Caching. IEEE Journal on Selected Areas in Communications, 2022, 40, 749-760.	14.0	30
63	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.	5.3	29
64	Wideband millimeter wave communication: Single carrier based hybrid precoding with sparse optimization. IEEE Transactions on Vehicular Technology, 2018, 67, 9696-9710.	6.3	29
65	Extraction of adaptive wavelet packet filterâ€bankâ€based acoustic feature for speech emotion recognition. IET Signal Processing, 2015, 9, 341-348.	1.5	28
66	Energyâ€efficient user association in downlink heterogeneous cellular networks. IET Communications, 2016, 10, 1553-1561.	2.2	28
67	Joint Design of User Association and Power Allocation With Proportional Fairness in Massive MIMO HetNets. IEEE Access, 2017, 5, 6560-6569.	4.2	28
68	Resource Optimization for Device-to-Device and Small Cell Uplink Communications Underlaying Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1187-1201.	6.3	28
69	Outage probability minimization for low-altitude UAV-enabled full-duplex mobile relaying systems. China Communications, 2018, 15, 9-24.	3.2	28
70	Beamforming Design for Multiuser uRLLC With Finite Blocklength Transmission. IEEE Transactions on Wireless Communications, 2021, 20, 8096-8109.	9.2	28
71	Per-Antenna Constant Envelope Precoding and Antenna Subset Selection: A Geometric Approach. IEEE Transactions on Signal Processing, 2016, 64, 6089-6104.	5.3	27
72	Energy Efficient Beamforming for Massive MIMO Public Channel. IEEE Transactions on Vehicular Technology, 2017, 66, 10595-10600.	6.3	27

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73	Resource Optimization in Heterogeneous Cloud Radio Access Networks. IEEE Communications Letters, 2018, 22, 494-497.	4.1	27
74	Loadâ€aware user association with quality of service support in heterogeneous cellular networks. IET Communications, 2015, 9, 494-500.	2.2	25
75	Energyâ€efficient resource allocation for deviceâ€toâ€device communication with WPT. IET Communications, 2017, 11, 326-334.	2.2	25
76	Analysis of Millimeter-Wave Multi-Hop Networks With Full-Duplex Buffered Relays. IEEE/ACM Transactions on Networking, 2018, 26, 576-590.	3.8	25
77	Hybrid Precoding for Wideband Millimeter-Wave Systems With Finite Resolution Phase Shifters. IEEE Transactions on Vehicular Technology, 2018, 67, 11285-11290.	6.3	25
78	Joint Channel Estimation and Tx/Rx I/Q Imbalance Compensation for GFDM Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1304-1317.	9.2	25
79	Deep Learning-Aided Belief Propagation Decoder for Polar Codes. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 189-203.	3.6	25
80	Flat Beam Design for Massive MIMO Systems via Riemannian Optimization. IEEE Wireless Communications Letters, 2019, 8, 301-304.	5.0	24
81	Multi-Agent Reinforcement Learning Based Distributed Transmission in Collaborative Cloud-Edge Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 1658-1672.	6.3	24
82	True-data testbed for 5G/B5G intelligent network. Intelligent and Converged Networks, 2021, 2, 133-149.	4.8	24
83	Achievable Rate Region of MISO Interference Channel Aided by Intelligent Reflecting Surface. IEEE Transactions on Vehicular Technology, 2020, 69, 16264-16269.	6.3	23
84	Energy-efficiency resource allocation of very large multi-user MIMO systems. Wireless Networks, 2014, 20, 1421-1430.	3.0	22
85	Noncircular Measurement and Mitigation of I/Q Imbalance for OFDM-Based WLAN Transmitters. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 383-393.	4.7	22
86	Joint Design of Pilot Power and Pilot Pattern for Sparse Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 5384-5390.	6.3	21
87	IQ Imbalance Compensation for Generalized Frequency Division Multiplexing Systems. IEEE Wireless Communications Letters, 2017, 6, 422-425.	5.0	21
88	An improved CFAR algorithm for target detection. , 2017, , .		21
89	Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. IEEE Wireless Communications Letters, 2018, 7, 440-443.	5.0	21
90	Heterogeneous User-Centric Cluster Migration Improves the Connectivity-Handover Trade-Off in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 16027-16043.	6.3	21

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91	Joint Antenna Selection and Energy-Efficient Beamforming Design. IEEE Signal Processing Letters, 2016, , 1-1.	3.6	20
92	Performance Analysis of Heterogeneous Networks With Interference Cancellation. IEEE Transactions on Vehicular Technology, 2017, 66, 6969-6981.	6.3	20
93	Regularized Multipath Matching Pursuit for Sparse Channel Estimation in Millimeter Wave Massive MIMO System. IEEE Wireless Communications Letters, 2019, 8, 169-172.	5.0	20
94	Energy harvesting balancing technique for robust beamforming in multiuser MISO SWIPT system. , 2013, , .		19
95	Optimal Resource Partitioning and Bit Allocation for UAV-Enabled Mobile Edge Computing. , 2018, , .		19
96	Two-Level Transmission Scheme for Cache-Enabled Fog Radio Access Networks. IEEE Transactions on Communications, 2019, 67, 445-456.	7.8	19
97	Cloud and Edge Multicast Beamforming for Cache-Enabled Ultra-Dense Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3481-3485.	6.3	19
98	MEC-Enabled Wireless VR Video Service: A Learning-Based Mixed Strategy for Energy-Latency Tradeoff. , 2020, , .		19
99	Hybrid Policy Learning for Energy-Latency Tradeoff in MEC-Assisted VR Video Service. IEEE Transactions on Vehicular Technology, 2021, 70, 9006-9021.	6.3	19
100	Doppler frequency offsets estimation and diversity reception scheme of high speed railway with multiple antennas on separated carriages. , 2012, , .		18
101	Exploiting BS Antenna Tilt for SWIPT in 3-D Massive MIMO Systems. IEEE Wireless Communications Letters, 2017, 6, 666-669.	5.0	18
102	Energy optimization for Cellular-Connected UAV Mobile Edge Computing Systems. , 2018, , .		18
103	Hybrid Precoder Design for Cache-Enabled Millimeter-Wave Radio Access Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1707-1722.	9.2	18
104	Efficient radar detection of weak manoeuvring targets using a coarseâ€toâ€fine strategy. IET Radar, Sonar and Navigation, 2021, 15, 181-193.	1.8	18
105	Performance Scaling Law for Multicell Multiuser Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 9890-9903.	6.3	17
106	Cache-Enabled Coordinated Mobile Edge Network: Opportunities and Challenges. IEEE Wireless Communications, 2020, 27, 204-211.	9.0	17
107	A Collaborative Hotspot Caching Design for 5G Cellular Network. IEEE Access, 2018, 6, 38161-38170.	4.2	16
108	Performance Evaluation and Analysis of Millimeter Wave Communication System. IEEE Systems Journal, 2019, 13, 159-170.	4.6	16

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109	User association with jointly maximising downlink sum rate and minimising uplink sum power for heterogeneous cellular networks. IET Communications, 2015, 9, 300-308.	2.2	15
110	Low-Complexity Parameter Learning for OTFS Modulation Based Automotive Radar. , 2021, , .		15
111	Delay and Backlog Analysis for 60 GHz Wireless Networks. , 2016, , .		14
112	Beamforming Design for Downlink Non-Orthogonal Multiple Access Systems. IEEE Access, 2018, 6, 10956-10965.	4.2	14
113	Interleaved Training and Training-Based Transmission Design for Hybrid Massive Antenna Downlink. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 541-556.	10.8	14
114	Approximate Expectation Propagation Massive MIMO Detector With Weighted Neumann-Series. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 662-666.	3.0	14
115	Performance analysis on precoding and pilot scheduling in very large MIMO multi-cell systems. , 2013, , .		13
116	Cooperative Precoding for Wireless Energy Transfer and Secure Cognitive Radio Coexistence Systems. IEEE Signal Processing Letters, 2017, 24, 540-544.	3.6	13
117	Intelligent Beam Training for Millimeter-Wave Communications via Deep Reinforcement Learning. , 2019, , .		13
118	Joint Spatial Division and Multiplexing in Massive MIMO: A Neighbor-Based Approach. IEEE Transactions on Wireless Communications, 2020, 19, 7392-7406.	9.2	13
119	A Cooperative Relay Selection for Two-Way Cooperative Relay Networks in Nakagami Channels. Wireless Personal Communications, 2013, 71, 2045-2065.	2.7	12
120	Power-Efficient Beam Designs for Millimeter Wave Communication Systems. IEEE Transactions on Wireless Communications, 2020, 19, 1265-1279.	9.2	12
121	Range-Dependent Beamforming Using Space-Frequency Virtual Difference Coarray. , 2021, , .		12
122	Doubly-Toeplitz-Based Interpolation for Joint DoA-Range Estimation Using Coprime FDA. , 2021, , .		12
123	Deep Neural Network Aided Low-Complexity MPA Receivers for Uplink SCMA Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 9050-9062.	6.3	12
124	Energy-Efficient Resource Allocation in Uplink Multiuser Massive MIMO Systems. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	1.2	11
125	Performance Analysis of Dual-Hop MIMO AF Relaying Network With Multiple Interferences. IEEE Transactions on Vehicular Technology, 2017, 66, 1891-1897.	6.3	11
126	Cooperative Multi-Subarray Beam Training in Millimeter Wave Communication Systems. , 2017, , .		11

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127	Joint user scheduling and hybrid precoding design for MIMO C-RAN. , 2017, , .		11
128	Hybrid Precoding for Broadband Millimeter-Wave Communication Systems With Partial CSI. IEEE Access, 2018, 6, 50891-50900.	4.2	11
129	Robust Multigroup Multicast Beamforming Design for Backhaul-Limited Cloud Radio Access Network. IEEE Signal Processing Letters, 2019, 26, 189-193.	3.6	11
130	Unsupervised Recurrent Federated Learning for Edge Popularity Prediction in Privacy-Preserving Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2022, 9, 24328-24345.	8.7	11
131	Improved nonlinear multiuser precoding using lattice reduction. Signal, Image and Video Processing, 2009, 3, 47-52.	2.7	10
132	Locationâ€aided channel tracking and downlink transmission for HST massive MIMO systems. IET Communications, 2017, 11, 2082-2088.	2.2	10
133	Hybrid Precoding for Single Carrier Wideband Multi-Subarray Millimeter Wave Systems. IEEE Wireless Communications Letters, 2019, 8, 484-487.	5.0	10
134	Joint User Scheduling and Beam Selection in mmWave Networks Based on Multi-Agent Reinforcement Learning. , 2020, , .		10
135	Learning-Aided Beam Prediction in mmWave MU-MIMO Systems for High-Speed Railway. IEEE Transactions on Communications, 2022, 70, 693-706.	7.8	10
136	Improper Gaussian Signaling for Downlink NOMA Systems With Imperfect Successive Interference Cancellation. IEEE Transactions on Wireless Communications, 2022, 21, 7753-7763.	9.2	10
137	Energy Efficient Beamforming Optimization for Integrated Sensing and Communication. IEEE Wireless Communications Letters, 2022, 11, 1374-1378.	5.0	10
138	Statistical beamforming for FDD massive MIMO downlink systems. , 2015, , .		9
139	Asymmetric subarray structure design for mmWave LoS MIMO communication systems. , 2016, , .		9
140	Pilot Contamination Reduction in Multi-cell TDD Systems with Very Large MIMO Arrays. Wireless Personal Communications, 2017, 96, 5785-5808.	2.7	9
141	A learning-based approach for proactive caching in wireless communication networks. , 2017, , .		9
142	Analysis of Panel Antenna Arrays in Los MIMO System. IEEE Access, 2018, 6, 23303-23315.	4.2	9
143	Energyâ€efficient optimisation for UAVâ€aided wireless sensor networks. IET Communications, 2019, 13, 972-980.	2.2	9
144	An Energy-Efficient Collaborative Caching Scheme for 5G Wireless Network. IEEE Access, 2019, 7, 156907-156916.	4.2	9

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145	Attention Mechanism Enhanced Kernel Prediction Networks for Denoising of Burst Images. , 2020, , .		9
146	User Association and Power Allocation Based on Unsupervised Graph Model in Ultra-Dense Network. , 2021, , .		9
147	CramÃ©r-Rao Bound of Joint DOA-Range Estimation for Coprime Frequency Diverse Arrays. Remote Sensing, 2022, 14, 583.	4.0	9
148	Ergodic rate analysis for massive MIMO relay systems with multi-pair users under imperfect CSI. , 2015, , .		8
149	Performance analysis of lowâ€complexity channel prediction for uplink massive MIMO. IET Communications, 2016, 10, 1744-1751.	2.2	8
150	An Overview of China Millimeter-Wave Multiple Gigabit Wireless Local Area Network System. IEICE Transactions on Communications, 2018, E101.B, 262-276.	0.7	8
151	Research on Robustness of Emotion Recognition Under Environmental Noise Conditions. IEEE Access, 2019, 7, 142009-142021.	4.2	8
152	Placement Delivery Array Design via Attention-Based Sequence-to-Sequence Model With Deep Neural Network. IEEE Wireless Communications Letters, 2019, 8, 372-375.	5.0	8
153	Downlink Resource Sharing in Multichannel Device-to-Device Communication. IEEE Wireless Communications Letters, 2019, 8, 741-744.	5.0	8
154	A Flexible and High Parallel Permutation Network for 5G LDPC Decoders. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3018-3022.	3.0	8
155	Structured OMP for IRS-Assisted Mmwave Channel Estimation by Exploiting Angular Spread. IEEE Transactions on Vehicular Technology, 2022, 71, 4444-4448.	6.3	8
156	Energy-efficient resource allocation in multi-user OFDMA systems. , 2011, , .		7
157	Throughput enhancement for VHT WLANs based on two-level network allocation vector. , 2012, , .		7
158	Energy-efficient resource allocation in C-RAN with fronthaul rate constraints. , 2016, , .		7
159	Joint User Association and Interference Mitigation for D2D-Enabled Heterogeneous Cellular Networks. Mobile Networks and Applications, 2016, 21, 589-602.	3.3	7
160	Beam-blocked compressive channel estimation for FDD massive MIMO systems. , 2016, , .		7
161	Antenna selection for two-way full duplex massive MIMO networks with amplify-and-forward relay. Science China Information Sciences, 2017, 60, 1.	4.3	7
162	Positioning Algorithm and AoD Estimation for mmWave FD-MISO System. , 2018, , .		7

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163	Massive MIMO With Ternary ADCs. IEEE Signal Processing Letters, 2020, 27, 271-275.	3.6	7
164	Fine-Grained Analysis on Downlink LEO Satellite-Terrestrial mmWave Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 1871-1875.	5.0	7
165	Randomized Iterative Methods for Low-Complexity Large-Scale MIMO Detection. IEEE Transactions on Signal Processing, 2022, 70, 2934-2949.	5.3	7
166	Energy-efficiency of Very Large Multi-user MIMO systems. , 2012, , .		6
167	An Integer Time Delay Estimation Algorithm Based on Zadoffâ€“Chu Sequence in OFDM Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 2941-2947.	6.3	6
168	Simultaneous Wireless Information and Power Transfer in a MISO Broadcast Channel with Confidential Messages. , 2015, , .		6
169	A fast parallel matrix inversion algorithm based on heterogeneous multicore architectures. , 2015, , .		6
170	Proactive Caching in Auto Driving Scene via Deep Reinforcement Learning. , 2019, , .		6
171	Enhanced beamspace MUSIC for costâ€effective FMCW automotive radar. IET Radar, Sonar and Navigation, 2020, 14, 257-267.	1.8	6
172	Fast Iterative Soft-Output List Decoding of Polar Codes. IEEE Transactions on Signal Processing, 2022, 70, 1361-1376.	5.3	6
173	GBLinks: GNN-Based Beam Selection and Link Activation for Ultra-Dense D2D mmWave Networks. IEEE Transactions on Communications, 2022, 70, 3451-3466.	7.8	6
174	An Unsupervised Deep Unrolling Framework for Constrained Optimization Problems in Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 8552-8564.	9.2	6
175	Coordinated energy-efficient precoding for CR MIMO interference channels. , 2014, , .		5
176	Performance Analysis of Antenna Selection in Two-Way Decode-and-Forward Relay Networks. , 2014, , .		5
177	Energy Efficient Joint User Association and Power Allocation Design in Massive MIMO Empowered Dense HetNets. , 2016, , .		5
178	Resource allocation for device-to-device and small cell uplink communication networks. , 2016, , .		5
179	Resource Efficiency: A New Beamforming Design for Multicell Multiuser Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 6063-6074.	6.3	5
180	Cache-Enabled Adaptive Bit Rate Streaming via Deep Self-Transfer Reinforcement Learning. , 2018, , .		5

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181	Minimum Error Performance of Downlink Non-Orthogonal Multiple Access Systems. , 2019, , .		5
182	Performance of Integrated Satellite-Terrestrial Relay Network With Relay Selection and Outdated CSI. IEEE Access, 2020, 8, 169652-169662.	4.2	5
183	Calibration of Motional Frequency Spread for Wide-Band FMCW Automotive Millimeter-Wave Radar. IEEE Access, 2020, 8, 14355-14366.	4.2	5
184	An Efficient Load-Balancing Scheme for UAVs in 5G Infrastructure. IEEE Systems Journal, 2023, 17, 780-791.	4.6	5
185	Performance analysis of network coding for multicast relay system over Nakagami-m fading channels. Science China Information Sciences, 2011, 54, 2338-2348.	4.3	4
186	Energy efficient power allocation scheme in heterogeneous cellular networks. , 2015, , .		4
187	Energyâ€efficient precoding design for cloud radio access networks. IET Communications, 2017, 11, 1864-1870.	2.2	4
188	Energy-Efficient Cooperative Hybrid Precoding for Millimeter-Wave Communication Networks. , 2018, , .		4
189	Personalized optimal bicycle trip planning based on Q-learning algorithm. , 2018, , .		4
190	Asymptotic Performance Analysis of Massive MIMO Relay Systems With Multi-Pair Devices Over Correlated Fading Channels. IEEE Access, 2019, 7, 27565-27578.	4.2	4
191	Multiobjective Precoder Design for Coexisting Wireless Energy Transfer and Information Transmission Systems. IEEE Systems Journal, 2020, 14, 445-456.	4.6	4
192	Energy-Efficient Transceiver Design for Cache-Enabled Millimeter-Wave Systems. IEEE Transactions on Communications, 2020, 68, 3876-3889.	7.8	4
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