Cai-jun Zhong

List of Publications by Year
in descending order

263 papers	7,820 citations	46918 47 h-index	69108 77 g-index
270 all docs	270 docs citations	270 times ranked	4548 citing authors

#	Article	IF	Citations
1	Application of smart antenna technologies in simultaneous wireless information and power transfer. , 2015, 53, 86-93.		380
2	Wireless Information and Power Transfer With Full Duplex Relaying. IEEE Transactions on Communications, 2014, 62, 3447-3461.	4.9	358
3	Non-Orthogonal Multiple Access With Cooperative Full-Duplex Relaying. IEEE Communications Letters, 2016, 20, 2478-2481.	2.5	284
4	Ergodic Capacity Analysis of Amplify-and-Forward MIMO Dual-Hop Systems. IEEE Transactions on Information Theory, 2010, 56, 2204-2224.	1.5	282
5	Dual-hop systems with noisy relay and interference-limited destination. IEEE Transactions on Communications, 2010, 58, 764-768.	4.9	199
6	Joint Spectrum and Power Allocation for D2D Communications Underlaying Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2182-2195.	3.9	172
7	Outage Analysis of Decode-and-Forward Cognitive Dual-Hop Systems With the Interference Constraint in Nakagami-m Fading Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 2875-2879.	3.9	171
8	Performance Analysis of Intelligent Reflecting Surface Aided Communication Systems. IEEE Communications Letters, 2020, 24, 2464-2468.	2.5	158
9	Wireless Information and Power Transfer in Relay Systems With Multiple Antennas and Interference. IEEE Transactions on Communications, 2015, 63, 1400-1418.	4.9	141
10	Throughput Analysis and Optimization of Wireless-Powered Multiple Antenna Full-Duplex Relay Systems. IEEE Transactions on Communications, 2016, 64, 1769-1785.	4.9	137
11	On the Performance of Eigenvalue-Based Cooperative Spectrum Sensing for Cognitive Radio. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 49-55.	7.3	119
12	Wireless-Powered Communications: Performance Analysis and Optimization. IEEE Transactions on Communications, 2015, 63, 5178-5190.	4.9	117
13	Multi-antenna relay aided wireless physical layer security. , 2015, 53, 40-46.		116
14	Deep Learning for Spectrum Sensing. IEEE Wireless Communications Letters, 2019, 8, 1727-1730.	3.2	115
15	Location Information Aided Multiple Intelligent Reflecting Surface Systems. IEEE Transactions on Communications, 2020, 68, 7948-7962.	4.9	114
16	Exploiting Multiple-Antenna Techniques for Non-Orthogonal Multiple Access. IEEE Journal on Selected Areas in Communications, 2017, 35, 2207-2220.	9.7	109
17	Unsupervised Learning for Passive Beamforming. IEEE Communications Letters, 2020, 24, 1052-1056.	2.5	109
18	Fully Non-Orthogonal Communication for Massive Access. IEEE Transactions on Communications, 2018, 66, 1717-1731.	4.9	101

#	Article	IF	Citations
19	Sum-Rate and Power Scaling of Massive MIMO Systems With Channel Aging. IEEE Transactions on Communications, 2015, 63, 4879-4893.	4.9	98
20	Multi-Antenna Wireless Legitimate Surveillance Systems: Design and Performance Analysis. IEEE Transactions on Wireless Communications, 2017, 16, 4585-4599.	6.1	98
21	Sum Rate Optimization for Two Way Communications With Intelligent Reflecting Surface. IEEE Communications Letters, 2020, 24, 1090-1094.	2.5	89
22	Sum Rate Analysis of ZF Receivers in Distributed MIMO Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 180-191.	9.7	87
23	Opportunistic Relay Selection for Secrecy Enhancement in Cooperative Networks. IEEE Transactions on Communications, 2015, 63, 1756-1770.	4.9	86
24	Capacity Bounds for MIMO Nakagami-m Fading Channels. IEEE Transactions on Signal Processing, 2009, 57, 3613-3623.	3.2	79
25	Full-Duplex Non-Orthogonal Multiple Access for Next Generation Wireless Systems. IEEE Communications Magazine, 2019, 57, 110-116.	4.9	79
26	Programmable Metasurface-Based Multicast Systems: Design and Analysis. IEEE Journal on Selected Areas in Communications, 2020, 38, 1763-1776.	9.7	77
27	Integration of Energy, Computation and Communication in 6G Cellular Internet of Things. IEEE Communications Letters, 2020, 24, 1333-1337.	2.5	77
28	Performance Analysis of Dual-Hop AF Systems With Interference in Nakagami-m Fading Channels. IEEE Signal Processing Letters, 2011, 18, 454-457.	2.1	76
29	Cell-Free Massive MIMO Systems With Low Resolution ADCs. IEEE Transactions on Communications, 2019, 67, 6844-6857.	4.9	76
30	Performance Analysis of Multiuser Multiple Antenna Relaying Networks with Co-Channel Interference and Feedback Delay. IEEE Transactions on Communications, 2014, 62, 59-73.	4.9	75
31	Secure Transmission in Cooperative Relaying Networks With Multiple Antennas. IEEE Transactions on Wireless Communications, 2016, 15, 6843-6856.	6.1	72
32	Outage and Diversity of Cognitive Relaying Systems under Spectrum Sharing Environments in Nakagami-m Fading. IEEE Communications Letters, 2012, 16, 2075-2078.	2.5	70
33	Exploiting Inter-User Interference for Secure Massive Non-Orthogonal Multiple Access. IEEE Journal on Selected Areas in Communications, 2018, 36, 788-801.	9.7	70
34	Robust Design for Intelligent Reflecting Surfaces Assisted MISO Systems. IEEE Communications Letters, 2020, 24, 2353-2357.	2.5	70
35	Proactive Eavesdropping in Relaying Systems. IEEE Signal Processing Letters, 2017, 24, 917-921.	2.1	67
36	Some new research trends in wirelessly powered communications. IEEE Wireless Communications, 2016, 23, 19-27.	6.6	66

#	Article	IF	Citations
37	Full-Duplex Massive MIMO Relaying Systems With Low-Resolution ADCs. IEEE Transactions on Wireless Communications, 2017, 16, 5033-5047.	6.1	64
38	Symbol Detection of Ambient Backscatter Systems With Manchester Coding. IEEE Transactions on Wireless Communications, 2018, 17, 4028-4038.	6.1	64
39	Robust Design for NOMA-Based Multibeam LEO Satellite Internet of Things. IEEE Internet of Things Journal, 2021, 8, 1959-1970.	5.5	64
40	Design, Analysis, and Optimization of a Large Intelligent Reflecting Surface-Aided B5G Cellular Internet of Things. IEEE Internet of Things Journal, 2020, 7, 8902-8916.	5.5	61
41	Spatial Modulation Assisted Multi-Antenna Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2018, 25, 61-67.	6.6	60
42	Statistical CSI based design for intelligent reflecting surface assisted MISO systems. Science China Information Sciences, 2020, 63, 1.	2.7	58
43	Outage Probability of Dual-Hop Multiple Antenna AF Relaying Systems with Interference. IEEE Transactions on Communications, 2013, 61, 108-119.	4.9	57
44	A Split-Reduced Successive Cancellation List Decoder for Polar Codes. IEEE Journal on Selected Areas in Communications, 2016, 34, 292-302.	9.7	55
45	RIS-Assisted Multi-User MISO Communications Exploiting Statistical CSI. IEEE Transactions on Communications, 2021, 69, 6781-6792.	4.9	55
46	Outage Probability of Dual-Hop Multiple Antenna AF Systems with Linear Processing in the Presence of Co-Channel Interference. IEEE Transactions on Wireless Communications, 2014, 13, 2308-2321.	6.1	54
47	Ergodic Capacity Comparison of Different Relay Precoding Schemes in Dual-Hop AF Systems With Co-Channel Interference. IEEE Transactions on Communications, 2014, 62, 2314-2328.	4.9	54
48	A Unified Design of Massive Access for Cellular Internet of Things. IEEE Internet of Things Journal, 2019, 6, 3934-3947.	5.5	54
49	Deep Learning for Joint Channel Estimation and Signal Detection in OFDM Systems. IEEE Communications Letters, 2020, 24, 2780-2784.	2.5	50
50	Novel Generic Bounds on the Sum Rate of MIMO ZF Receivers. IEEE Transactions on Signal Processing, 2011, 59, 4341-4353.	3.2	49
51	Unsupervised Learning-Based Joint Active and Passive Beamforming Design for Reconfigurable Intelligent Surfaces Aided Wireless Networks. IEEE Communications Letters, 2021, 25, 892-896.	2.5	47
52	Secrecy Performance of Wirelessly Powered Wiretap Channels. IEEE Transactions on Communications, 2016, 64, 3858-3871.	4.9	46
53	One-Bit Quantized Massive MIMO Detection Based on Variational Approximate Message Passing. IEEE Transactions on Signal Processing, 2018, 66, 2358-2373.	3.2	46
54	Multipair Massive MIMO Relaying Systems With One-Bit ADC<roman>s</roman> and DAC<roman>s</roman>. IEEE Transactions on Signal Processing, 2018, 66, 2984-2997.	3.2	46

#	ARTICLE	IF	CITATIONS
55	Cognitive MIMO Relaying Networks With Primary User's Interference and Outdated Channel State Information. IEEE Transactions on Communications, 2014, 62, 4241-4254.	4.9	45
56	Optimum Wirelessly Powered Relaying. IEEE Signal Processing Letters, 2015, , 1-1.	2.1	44
57	Optimization and Analysis of Wireless Powered Multi-Antenna Cooperative Systems. IEEE Transactions on Wireless Communications, 2017, 16, 3267-3281.	6.1	44
58	Generic Ergodic Capacity Bounds for Fixed-Gain AF Dual-Hop Relaying Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 3814-3824.	3.9	43
59	Distribution of the Ratio of the Largest Eigenvalue to the Trace of Complex Wishart Matrices. IEEE Transactions on Signal Processing, 2012, 60, 5527-5532.	3.2	41
60	Cluster Grouping and Power Control For Angle-Domain MmWave MIMO NOMA Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1167-1180.	7.3	41
61	Power Beacon Assisted Wiretap Channels With Jamming. IEEE Transactions on Wireless Communications, 2016, 15, 8353-8367.	6.1	39
62	Capacity Bounds for AF Dual-hop Relaying in ${cal G}$ Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1730-1740.	3.9	38
63	Semi-Passive Elements Assisted Channel Estimation for Intelligent Reflecting Surface-Aided Communications. IEEE Transactions on Wireless Communications, 2022, 21, 1132-1142.	6.1	37
64	Distributed resource allocation for D2D communication underlaying cellular networks. , 2013, , .		36
65	Intelligent Reflecting Surface Aided Multicasting With Random Passive Beamforming. IEEE Wireless Communications Letters, 2021, 10, 92-96.	3.2	36
66	A Novel Design of RIS for Enhancing the Physical Layer Security for RIS-Aided NOMA Networks. IEEE Wireless Communications Letters, 2021, 10, 2398-2401.	3.2	35
67	Outage Analysis of Spectrum Sharing Relay Systems With Multiple Secondary Destinations Under Primary User's Interference. IEEE Transactions on Vehicular Technology, 2014, 63, 3456-3464.	3.9	34
68	On the Capacity of Wireless Powered Communication Systems Over Rician Fading Channels. IEEE Transactions on Communications, 2018, 66, 404-417.	4.9	34
69	Design of Non-Orthogonal Beamspace Multiple Access for Cellular Internet-of-Things. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 538-552.	7.3	34
70	Integrated Sensing, Computation and Communication in B5G Cellular Internet of Things. IEEE Transactions on Wireless Communications, 2021, 20, 332-344.	6.1	34
71	Capacity analysis of UCA-based OAM multiplexing communication system. , 2015, , .		33
72	Cooperative Activity Detection: Sourced and Unsourced Massive Random Access Paradigms. IEEE Transactions on Signal Processing, 2020, 68, 6578-6593.	3.2	33

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73	Robust Resource Allocation for Secrecy Wireless Powered Communication Networks. IEEE Communications Letters, 2016, 20, 2430-2433.	2.5	32
74	An Attention-Aided Deep Learning Framework for Massive MIMO Channel Estimation. IEEE Transactions on Wireless Communications, 2022, 21, 1823-1835.	6.1	28
75	On the Capacity of Dual-Hop Multiple Antenna AF Relaying Systems with Feedback Delay and CCI. IEEE Communications Letters, 2013, 17, 1200-1203.	2.5	27
76	Ordinary Differential Equation-Based CNN for Channel Extrapolation Over RIS-Assisted Communication. IEEE Communications Letters, 2021, 25, 1921-1925.	2.5	27
77	Full-duplex MIMO relaying powered by wireless energy transfer. , 2015, , .		26
78	Wireless Powered Dual-Hop Multi-Antenna Relaying Systems: Impact of CSI and Antenna Correlation. IEEE Transactions on Wireless Communications, 2017, 16, 2505-2519.	6.1	26
79	Performance of downlink massive MIMO in ricean fading channels with ZF precoder. , 2015, , .		25
80	Multipair Two-Way Half-Duplex DF Relaying With Massive Arrays and Imperfect CSI. IEEE Transactions on Wireless Communications, 2018, 17, 3269-3283.	6.1	25
81	Outage-Constrained Robust Design for Sustainable B5G Cellular Internet of Things. IEEE Transactions on Wireless Communications, 2019, 18, 5780-5790.	6.1	25
82	Physical layer security for massive access in cellular Internet of Things. Science China Information Sciences, 2020, 63, 1.	2.7	25
83	Distribution of the Demmel Condition Number of Wishart Matrices. IEEE Transactions on Communications, 2011, 59, 1309-1320.	4.9	24
84	Secure Multi-Antenna Cognitive Wiretap Networks. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	23
85	Asymptotic Secrecy Outage Performance for TAS/MRC Over Correlated Nakagami-${m}$ Fading Channels. IEEE Transactions on Communications, 2019, 67, 7700-7714.	4.9	23
86	Ergodic Mutual Information Analysis for Multi-Keyhole MIMO Channels. IEEE Transactions on Wireless Communications, 2011, 10, 1754-1763.	6.1	22
87	Wireless Powered Communication Networks With Non-Ideal Circuit Power Consumption. IEEE Communications Letters, 2017, 21, 1429-1432.	2.5	22
88	Secrecy Analysis of MIMO Wiretap Channels With Low-Complexity Receivers Under Imperfect Channel Estimation. IEEE Transactions on Information Forensics and Security, 2017, 12, 257-270.	4.5	22
89	Maximum-Eigenvalue Detector for Multiple Antenna Ambient Backscatter Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 12411-12415.	3.9	22
90	Performance of Rayleigh-Product MIMO Channels with Linear Receivers. IEEE Transactions on Wireless Communications, 2014, 13, 2270-2281.	6.1	21

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91	Feature-Aided Adaptive-Tuning Deep Learning for Massive Device Detection. IEEE Journal on Selected Areas in Communications, 2021, 39, 1899-1914.	9.7	21
92	Integrating Sensing, Computing, and Communication in 6G Wireless Networks: Design and Optimization. IEEE Transactions on Communications, 2022, 70, 6212-6227.	4.9	21
93	MIMO rayleigh-product channels with co-channel interference. IEEE Transactions on Communications, 2009, 57, 1824-1835.	4.9	20
94	Performance Analysis of Orthogonal STBC in Generalized- K Fading MIMO Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1473-1479.	3.9	20
95	Energy Consumption Analysis of Energy Harvesting Systems with Power Grid. IEEE Wireless Communications Letters, 2013, 2, 611-614.	3.2	20
96	Ambient Backscatter Communication Systems With MFSK Modulation. IEEE Transactions on Wireless Communications, 2019, 18, 2553-2564.	6.1	20
97	Effect of channel aging on the sum rate of uplink massive MIMO systems. , 2015, , .		19
98	Nonlinear Precoding for Multipair Relay Networks With One-Bit ADCs and DACs. IEEE Signal Processing Letters, 2018, 25, 303-307.	2.1	19
99	Deep Reinforcement Learning for Joint Beamwidth and Power Optimization in mmWave Systems. IEEE Communications Letters, 2020, 24, 2201-2205.	2.5	19
100	Effective Capacity of Correlated MISO Channels. , 2011, , .		18
101	Asymptotic Analysis for Nakagami-m Fading Channels with Relay Selection. , 2011, , .		18
102	Joint Activity Detection and Channel Estimation for mmW/THz Wideband Massive Access. , 2020, , .		18
103	Robust Design for IRS-Aided Communication Systems With User Location Uncertainty. IEEE Wireless Communications Letters, 2021, 10, 63-67.	3.2	18
104	On the capacity of non-uniform phase MIMO nakagami-m fading channels. IEEE Communications Letters, 2010, 14, 536-538.	2.5	17
105	User Selection in Reconfigurable Intelligent Surface Assisted Communication Systems. IEEE Communications Letters, 2021, 25, 1353-1357.	2.5	17
106	Low SNR Capacity for MIMO Rician and Rayleigh-Product Fading Channels with Single Co-channel Interferer and Noise. IEEE Transactions on Communications, 2010, 58, 2549-2560.	4.9	16
107	On the Performance of Eigenvalue-Based Spectrum Sensing for Cognitive Radio. , 2010, , .		16
108	On the Sum Rate of MIMO Nakagami-m Fading Channels with Linear Receivers. IEEE Transactions on Wireless Communications, 2012, 11, 3651-3659.	6.1	16

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109	Secrecy Performance of Multi-Antenna Wiretap Channels With Diversity Combining Over Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2019, 18, 444-458.	6.1	16
110	Outage Probability of Dual-Hop Relay Channels in the Presence of Interference. , 2009, , .		15
111	Channel Estimation for Uniform Rectangular Array Based Massive MIMO Systems With Low Complexity. IEEE Transactions on Vehicular Technology, 2019, 68, 2545-2556.	3.9	15
112	Millimeter Wave Communication With Active Ambient Perception. IEEE Transactions on Wireless Communications, 2019, 18, 2751-2764.	6.1	15
113	Angle-Domain Intelligent Reflecting Surface Systems: Design and Analysis. IEEE Transactions on Communications, 2021, 69, 4202-4215.	4.9	15
114	Exploiting Simultaneous Low-Rank and Sparsity in Delay-Angular Domain for Millimeter-Wave/Terahertz Wideband Massive Access. IEEE Transactions on Wireless Communications, 2022, 21, 2336-2351.	6.1	15
115	Performance analysis of fixed-gain AF dual-hop relaying systems over Nakagami-m fading channels in the presence of interference. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	14
116	Performance Analysis of Optimal Single Stream Beamforming in MIMO Dual-Hop AF Systems. IEEE Journal on Selected Areas in Communications, 2012, 30, 1415-1427.	9.7	14
117	Low-SNR Analysis of MIMO Weibull Fading Channels. IEEE Communications Letters, 2012, 16, 694-697.	2.5	14
118	Simplified successive‐cancellation decoding using information set reselection for polar codes with arbitrary blocklength. IET Communications, 2015, 9, 1380-1387.	1.5	14
119	Rate Analysis and ADC Bits Allocation for Cell-Free Massive MIMO Systems with Low Resolution ADCs. , 2018, , .		14
120	Concentrative Intelligent Reflecting Surface Aided Computational Imaging via Fast Block Sparse Bayesian Learning. , 2021, , .		14
121	A Low-Complexity Multiuser Adaptive Modulation Scheme for Massive MIMO Systems. IEEE Signal Processing Letters, 2016, 23, 1464-1468.	2.1	13
122	Energy Beamformer and Time Split Design for Wireless Powered Two-Way Relaying Systems. IEEE Transactions on Wireless Communications, 2018, 17, 3723-3736.	6.1	13
123	Spectrum Sharing between UAV-based Wireless Mesh Networks and Ground Networks. , 2018, , .		13
124	An Indoor mmWave Joint Radar and Communication System with Active Channel Perception. , 2018, , .		13
125	Exact Outage Analysis of Dual-Hop Fixed-Gain AF Relaying with CCI under Dissimilar Nakagami-m Fading. IEEE Communications Letters, 2012, 16, 1756-1759.	2.5	12
126	Multi-pair two-way AF relaying systems with massive arrays and imperfect CSI. , 2016, , .		12

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127	Performance of ZF precoder in downlink massive MIMO with non-uniform user distribution. Journal of Communications and Networks, 2016, 18, 688-698.	1.8	12
128	Joint User Pairing and Power Allocation Design for Heavy Loaded Full-Duplex Small Cell Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 8989-8993.	3.9	12
129	Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Imperfect CSI. IEEE Transactions on Vehicular Technology, 2019, 68, 6593-6607.	3.9	12
130	Deep Learning-Based Channel Estimation for Massive MIMO With Hybrid Transceivers. IEEE Transactions on Wireless Communications, 2022, 21, 5162-5174.	6.1	12
131	Unsourced Random Massive Access With Beam-Space Tree Decoding. IEEE Journal on Selected Areas in Communications, 2022, 40, 1146-1161.	9.7	12
132	Performance of Proactive Eavesdropping in Dual-Hop Relaying Systems. , 2017, , .		11
133	Element-Grouping Intelligent Reflecting Surface: Electromagnetic-Compliant Model and Geometry-Based Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 5362-5376.	6.1	11
134	Communication-Efficient Federated Edge Learning via Optimal Probabilistic Device Scheduling. IEEE Transactions on Wireless Communications, 2022, 21, 8536-8551.	6.1	11
135	Optimal Detection for Ambient Backscatter Communication Systems With Multiantenna Reader Under Complex Gaussian Illuminator. IEEE Internet of Things Journal, 2020, 7, 11371-11383.	5.5	10
136	Outage Analysis for Optimal Beamforming MIMO Systems in Multikeyhole Channels. IEEE Transactions on Signal Processing, 2010, 58, 1451-1456.	3.2	9
137	Performance Analysis of Dual-Hop AF Systems in Nakagami-m Fading Channels in the Presence of Interference. , 2011, , .		9
138	Performance analysis of distributed MIMO systems in Rayleigh/Inverse-Gaussian fading channels. , 2012, , .		9
139	Outage probability analysis of dual-hop multiple antenna fixed-gain AF relay systems with interference. , 2012, , .		9
140	Improving the throughput of wireless powered dual-hop systems with full duplex relaying. , 2015, , .		9
141	Pilot Contamination Attack Detection Using Random Symbols for Massive MIMO Systems. , 2017, , .		9
142	A Novel Interference Cancellation Scheme for Bistatic Backscatter Communication Systems. IEEE Communications Letters, 2021, 25, 2014-2018.	2.5	9
143	Online Deep Neural Network for Optimization in Wireless Communications. IEEE Wireless Communications Letters, 2022, 11, 933-937.	3.2	9
144	C-GRBFnet: A Physics-Inspired Generative Deep Neural Network for Channel Representation and Prediction. IEEE Journal on Selected Areas in Communications, 2022, 40, 2282-2299.	9.7	9

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145	Performance of User Selection in Cognitive Broadcast Channels. IEEE Transactions on Communications, 2012, 60, 3529-3534.	4.9	8
146	A Low Complexity Encoding Algorithm for Systematic Polar Codes. IEEE Communications Letters, 2016, , 1-1.	2.5	8
147	Ambient Backscatter Communication Systems with Multi-Antenna Reader. , 2018, , .		8
148	Weighted Sum-Rate of Intelligent Reflecting Surface Aided Multiuser Downlink Transmission With Statistical CSI. IEEE Transactions on Wireless Communications, 2022, 21, 4925-4937.	6.1	8
149	Ergodic capacity analysis of amplify-and-forward MIMO dual-hop systems. , 2008, , .		7
150	Reliability Analysis for Large MIMO Systems. IEEE Wireless Communications Letters, 2014, 3, 553-556.	3.2	7
151	Outage Performance of Spectrum Sharing Systems with MRC Diversity under Multiple Primary User's Interference. IEEE Communications Letters, 2014, 18, 576-579.	2.5	7
152	On the Secrecy Enhancement With Low-Complexity Large-Scale Transmit Selection in MIMO Generalized Composite Fading. IEEE Wireless Communications Letters, 2015, 4, 429-432.	3.2	7
153	Secure Transmission in Cognitive Wiretap Networks. , 2016, , .		7
154	Unsourced Massive Random Access Scheme Exploiting Reed-Muller Sequences. IEEE Transactions on Communications, 2022, 70, 1290-1303.	4.9	7
155	Beamforming and fronthaul compression design for intelligent reflecting surface aided cloud radio access networks. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 31-46.	1.5	7
156	Distribution of the Demmel Condition Number of Complex Wishart Matrices. , 2010, , .		6
157	Ergodic sum rate analysis of Rayleigh product MIMO channels with linear MMSE receiver. , 2011, , .		6
158	Performance Analysis of Partial Relay Selection with Feedback Delay in the Presence of Interference. , 2011, , .		6
159	Error exponents for Rayleigh fading product MIMO channels. , 2012, , .		6
160	Capacity scaling of relay networks with successive relaying. , 2015, , .		6
161	Differential Modulation Exploiting the Spatial–Temporal Correlation of Wireless Channels With Moving Antenna Array. IEEE Transactions on Communications, 2015, 63, 4990-5001.	4.9	6
162	Interference coordination in full-duplex HetNet with large-scale antenna arrays. , 2017, , .		6

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163	Sum Rate Maximization in UAV-Enabled Mobile Relay Networks. , 2018, , .		6
164	Robust Convergence of Energy and Computation for B5G Cellular Internet of Things. , 2019, , .		6
165	PCA-Based Channel Estimation and Tracking for Massive MIMO Systems With Uniform Rectangular Arrays. IEEE Transactions on Wireless Communications, 2020, 19, 6786-6797.	6.1	6
166	Adaptive Channel Estimation and Tracking for URA-Based Massive MIMO Systems. IEEE Access, 2020, 8, 54213-54224.	2.6	6
167	Exploiting cooperative multipathâ€"Doppler diversity in relay-assisted high-speed train communications. Science Bulletin, 2014, 59, 5019-5028.	1.7	5
168	On the Capacity Scaling of Large Multipair Relay Networks With Successive Relaying Protocol. IEEE Access, 2017, 5, 5882-5895.	2.6	5
169	Multipair full-duplex massive MIMO relaying with low-resolution ADCs and imperfect CSI. , 2017, , .		5
170	On the design of massive access. , 2017, , .		5
171	Optimization of Power Beacon Assisted Wireless Powered Two-Way Relaying Systems under User Fairness. , 2017, , .		5
172	Energy Efficiency of Massive MIMO Downlink WPT With Mixed-ADCs. IEEE Communications Letters, 2019, 23, 2316-2320.	2.5	5
173	Fronthaul Compression and Beamforming Optimization for Uplink C-RAN With Intelligent Reflecting Surface-Enhanced Wireless Fronthauling. IEEE Communications Letters, 2021, 25, 1979-1983.	2.5	5
174	Low-cost intelligent reflecting surface aided Terahertz multiuser massive MIMO: design and analysis. Science China Information Sciences, 2021, 64, 1.	2.7	5
175	Phase Calibration for Intelligent Reflecting Surfaces Assisted Millimeter Wave Communications. IEEE Transactions on Signal Processing, 2022, 70, 1026-1040.	3.2	5
176	On the ergodic capacity of MIMO Nakagami-fading channels. , 2008, , .		4
177	Error exponents for Orthogonal STBC in generalized-K fading MIMO channels. , 2012, , .		4
178	A sequential antenna-hopping scheme for high mobility MIMO communications. , 2015, , .		4
179	Error exponents for multi-keyhole MIMO channels. Problems of Information Transmission, 2015, 51, 1-19.	0.3	4
180	Robust secure beamforming and power splitting for SWIPT over interference channels. , 2016, , .		4

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181	Angle-Domain MmWave MIMO NOMA Systems: Analysis and Design. , 2019, , .		4
182	On the Design of B5G Multi-Beam LEO Satellite Internet of Things. , 2020, , .		4
183	Incremental Massive Random Access Exploiting the Nested Reed-Muller Sequences. IEEE Transactions on Wireless Communications, 2021, 20, 2917-2932.	6.1	4
184	Full-duplex two-way AF relaying systems with imperfect interference cancellation in Nakagami-m fading channels. Science China Information Sciences, 2021, 64, 1.	2.7	4
185	Reconfigurable Intelligent Surface Based Orbital Angular Momentum: Architecture, Opportunities, and Challenges. IEEE Wireless Communications, 2021, 28, 132-137.	6.6	4
186	Distributed Intelligent Reflecting Surfaces-Aided Communication System: Analysis and Design. IEEE Transactions on Green Communications and Networking, 2022, 6, 1932-1944.	3.5	4
187	Sum rate analysis of ZF receivers in distributed MIMO systems with Rayleigh/Lognormal fading. , 2012, , .		3
188	Outage analysis of spectrum sharing relay systems with multi-secondary destinations in the presence of primary user's interference. , 2013, , .		3
189	Performance analysis of partial relay selection with feedback delay in the presence of interference in Nakagami-m fading channels. , 2013, , .		3
190	Adaptive vector OFDM system for transmission over doubly selective fading channels. , 2014, , .		3
191	Performance comparison of different transmission schemes in uplink massive MIMO systems with dual-antenna users. , 2015, , .		3
192	Secrecy outage probability of wirelessly powered wiretap channels. , 2016, , .		3
193	Impact of mobility on the sum rate of an NB-OFDMA based mobile IoT networks. , 2016, , .		3
194	Energy-Efficient Opportunistic Packet Scheduling in Mobile Relay Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 5327-5336.	3.9	3
195	Impact of Mobility on the Uplink Sum Rate of MIMO-OFDMA Cellular Systems. IEEE Transactions on Communications, 2017, , 1-1.	4.9	3
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