Cai-jun Zhong

List of Publications by Year in Descending Order

216 papers	5,278 citations	41 h-index	65 g-index
270 ext. papers	6,668 ext. citations	6.1 avg, IF	6.48 L-index

#	Paper	IF	Citations
216	Element-Grouping Intelligent Reflecting Surface: Electromagnetic-Compliant Model and Geometry-Based Optimization. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	4
215	Unsourced Random Massive Access with Beam-Space Tree Decoding. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	1
214	Phase Calibration for Intelligent Reflecting Surfaces Assisted Millimeter Wave Communications. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	0
213	Online Deep Neural Network for Optimization in Wireless Communications. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	1
212	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	2.2	3
211	Communication-efficient Federated Edge Learning via Optimal Probabilistic Device Scheduling. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	2
210	Deep Learning based Channel Estimation for Massive MIMO with Hybrid Transceivers. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
209	Accelerating Federated Edge Learning via Optimized Probabilistic Device Scheduling **2021**,		2
208	Unsourced Massive Random Access Scheme Exploiting Reed-Muller Sequences. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	0
207	Weighted Sum-Rate of Intelligent Reflecting Surface Aided Multiuser Downlink Transmission with Statistical CSI. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	3
206	An Efficient Calibration Algorithm for IRS-Aided mmWave Systems with Hardware Impairments. *IEEE Communications Letters*, **2021**, 1-1	3.8	1
205	Unsupervised Learning-Based Joint Active and Passive Beamforming Design for Reconfigurable Intelligent Surfaces Aided Wireless Networks. *IEEE Communications Letters*, **2021**, 25, 892-896	3.8	17
204	Concentrative Intelligent Reflecting Surface Aided Computational Imaging via Fast Block Sparse Bayesian Learning **2021**,		3
203	User Selection in Reconfigurable Intelligent Surface Assisted Communication Systems. *IEEE Communications Letters*, **2021**, 25, 1353-1357	3.8	6
202	Incremental Massive Random Access Exploiting the Nested Reed-Muller Sequences. *IEEE Transactions on Wireless Communications*, **2021**, 20, 2917-2932	9.6	2
201	Full-duplex two-way AF relaying systems with imperfect interference cancellation in Nakagami-m fading channels. *Science China Information Sciences*, **2021**, 64, 1	3.4	0
200	A Novel Interference Cancellation Scheme for Bistatic Backscatter Communication Systems. *IEEE Communications Letters*, **2021**, 25, 2014-2018	3.8	3

199	Ordinary Differential Equation-Based CNN for Channel Extrapolation Over RIS-Assisted Communication. *IEEE Communications Letters*, **2021**, 25, 1921-1925	3.8	10
198	Fronthaul Compression and Beamforming Optimization for Uplink C-RAN With Intelligent Reflecting Surface-Enhanced Wireless Fronthauling. *IEEE Communications Letters*, **2021**, 25, 1979-1983	3.8	2
197	Angle-Domain Intelligent Reflecting Surface Systems: Design and Analysis. *IEEE Transactions on Communications*, **2021**, 69, 4202-4215	6.9	5
196	Feature-Aided Adaptive-Tuning Deep Learning for Massive Device Detection. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1899-1914	14.2	7
195	Robust Design for NOMA-Based Multibeam LEO Satellite Internet of Things. *IEEE Internet of Things Journal*, **2021**, 8, 1959-1970	10.7	21
194	Robust Design for IRS-Aided Communication Systems With User Location Uncertainty. *IEEE Wireless Communications Letters*, **2021**, 10, 63-67	5.9	9
193	Intelligent Reflecting Surface Aided Multicasting With Random Passive Beamforming. *IEEE Wireless Communications Letters*, **2021**, 10, 92-96	5.9	17
192	An Attention-Aided Deep Learning Framework for Massive MIMO Channel Estimation. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
191	A Novel Design of RIS for Enhancing the Physical Layer Security for RIS-aided NOMA Networks. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	9
190	Semi-Passive Elements Assisted Channel Estimation for Intelligent Reflecting Surface-Aided Communications. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	10
189	RIS-Assisted Multi-User MISO Communications Exploiting Statistical CSI. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	13
188	Low-cost intelligent reflecting surface aided Terahertz multiuser massive MIMO: design and analysis. *Science China Information Sciences*, **2021**, 64, 1	3.4	2
187	Integrated Sensing, Computation and Communication in B5G Cellular Internet of Things. *IEEE Transactions on Wireless Communications*, **2021**, 20, 332-344	9.6	14
186	Exploiting Simultaneous Low-Rank and Sparsity in Delay-Angular Domain for Millimeter-Wave/Terahertz Wideband Massive Access. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	1
185	Reconfigurable Intelligent Surface Based Orbital Angular Momentum: Architecture, Opportunities, and Challenges. *IEEE Wireless Communications*, **2021**, 28, 132-137	13.4	2
184	Statistical CSI based design for intelligent reflecting surface assisted MISO systems. *Science China Information Sciences*, **2020**, 63, 1	3.4	30
183	Programmable Metasurface-Based Multicast Systems: Design and Analysis. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 1763-1776	14.2	38
182	Optimal Detection for Ambient Backscatter Communication Systems With Multiantenna Reader Under Complex Gaussian Illuminator. *IEEE Internet of Things Journal*, **2020**, 7, 11371-11383	10.7	3

181	Robust Design for Intelligent Reflecting Surfaces Assisted MISO Systems. *IEEE Communications Letters*, **2020**, 24, 2353-2357	3.8	37
180	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	10.7	27
179	Integration of Energy, Computation and Communication in 6G Cellular Internet of Things. *IEEE Communications Letters*, **2020**, 24, 1333-1337	3.8	41
178	Sum Rate Optimization for Two Way Communications With Intelligent Reflecting Surface. *IEEE Communications Letters*, **2020**, 24, 1090-1094	3.8	52
177	Robust Integration of Computation and Communication in B5G Cellular Internet of Things **2020**,		2
176	Physical layer security for massive access in cellular Internet of Things. *Science China Information Sciences*, **2020**, 63, 1	3.4	13
175	Unsupervised Learning for Passive Beamforming. *IEEE Communications Letters*, **2020**, 24, 1052-1056	3.8	60
174	Optimization and Analysis of Wireless Powered Multi-Antenna Two-Way Relaying Systems. *IEEE Transactions on Communications*, **2020**, 68, 2048-2060	6.9	1
173	Adaptive Channel Estimation and Tracking for URA-Based Massive MIMO Systems. *IEEE Access*, **2020**, 8, 54213-54224	3.5	3
172	Cooperative Activity Detection: Sourced and Unsourced Massive Random Access Paradigms. *IEEE Transactions on Signal Processing*, **2020**, 68, 6578-6593	4.8	13
171	Angle-Delay-Doppler Domain NOMA over Massive MIMO-OTFS Networks **2020**,		1
170	An Angle Domain Design Framework for Intelligent Reflecting Surface Systems **2020**,		1
169	Deep Reinforcement Learning for Joint Beamwidth and Power Optimization in mmWave Systems. *IEEE Communications Letters*, **2020**, 24, 2201-2205	3.8	9
168	PCA-Based Channel Estimation and Tracking for Massive MIMO Systems With Uniform Rectangular Arrays. *IEEE Transactions on Wireless Communications*, **2020**, 19, 6786-6797	9.6	4
167	Deep Learning for Joint Channel Estimation and Signal Detection in OFDM Systems. *IEEE Communications Letters*, **2020**, 24, 2780-2784	3.8	10
166	Performance Analysis of Intelligent Reflecting Surface Aided Communication Systems. *IEEE Communications Letters*, **2020**, 24, 2464-2468	3.8	63
165	On the Design of B5G Multi-Beam LEO Satellite Internet of Things **2020**,		2
164	Joint Activity Detection and Channel Estimation for mmW/THz Wideband Massive Access **2020**,		7

163	Location Information Aided Multiple Intelligent Reflecting Surface Systems. *IEEE Transactions on Communications*, **2020**, 68, 7948-7962	6.9	47
162	Incremental Random Massive Access Exploiting Nested Reed-Muller Sequences **2020**,		1
161	Cell-Free Massive MIMO Systems With Low Resolution ADCs. *IEEE Transactions on Communications*, **2019**, 67, 6844-6857	6.9	45
160	Deep Learning for Spectrum Sensing. *IEEE Wireless Communications Letters*, **2019**, 8, 1727-1730	5.9	52
159	Energy Efficiency of Massive MIMO Downlink WPT With Mixed-ADCs. *IEEE Communications Letters*, **2019**, 23, 2316-2320	3.8	2
158	Channel Estimation for Uniform Rectangular Array Based Massive MIMO Systems With Low Complexity. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 2545-2556	6.8	9
157	Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Imperfect CSI. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 6593-6607	6.8	8
156	Full-Duplex Non-Orthogonal Multiple Access for Next Generation Wireless Systems. *IEEE Communications Magazine*, **2019**, 57, 110-116	9.1	41
155	Ambient Backscatter Communication Systems With MFSK Modulation. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2553-2564	9.6	13
154	Millimeter Wave Communication With Active Ambient Perception. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2751-2764	9.6	8
153	Design of Non-Orthogonal Beamspace Multiple Access for Cellular Internet-of-Things. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 538-552	7.5	25
152	On the Design of Multiple-Antenna Non-Orthogonal Multiple Access **2019**, 229-256		0
151	Asymptotic Secrecy Outage Performance for TAS/MRC Over Correlated Nakagami- ${m}$ Fading Channels. *IEEE Transactions on Communications*, **2019**, 67, 7700-7714	6.9	14
150	Angle-Domain MmWave MIMO NOMA Systems: Analysis and Design **2019**,		2
149	Protocol Design and Analysis for Cellular Internet of Things with Massive Access **2019**,		2
148	Cluster Grouping and Power Control For Angle-Domain MmWave MIMO NOMA Systems. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 1167-1180	7.5	30
147	Maximum-Eigenvalue Detector for Multiple Antenna Ambient Backscatter Communication Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 12411-12415	6.8	14
146	Robust Convergence of Energy and Computation for B5G Cellular Internet of Things **2019**,		4

145	Robust Beamforming Design for SWIPT in Cellular Internet of Things **2019**,		2
144	Outage-Constrained Robust Design for Sustainable B5G Cellular Internet of Things. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5780-5790	9.6	16
143	Secrecy Performance of Multi-Antenna Wiretap Channels With Diversity Combining Over Correlated Rayleigh Fading Channels. *IEEE Transactions on Wireless Communications*, **2019**, 18, 444-458	9.6	8
142	A Unified Design of Massive Access for Cellular Internet of Things. *IEEE Internet of Things Journal*, **2019**, 6, 3934-3947	10.7	37
141	Multipair Two-Way Half-Duplex DF Relaying With Massive Arrays and Imperfect CSI. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3269-3283	9.6	18
140	Exploiting Inter-User Interference for Secure Massive Non-Orthogonal Multiple Access. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 788-801	14.2	56
139	Symbol Detection of Ambient Backscatter Systems With Manchester Coding. *IEEE Transactions on Wireless Communications*, **2018**, 17, 4028-4038	9.6	44
138	On the Capacity of Wireless Powered Communication Systems Over Rician Fading Channels. *IEEE Transactions on Communications*, **2018**, 66, 404-417	6.9	24
137	Fully Non-Orthogonal Communication for Massive Access. *IEEE Transactions on Communications*, **2018**, 66, 1717-1731	6.9	76
136	One-Bit Quantized Massive MIMO Detection Based on Variational Approximate Message Passing. *IEEE Transactions on Signal Processing*, **2018**, 66, 2358-2373	4.8	28
135	Spatial Modulation Assisted Multi-Antenna Non-Orthogonal Multiple Access. *IEEE Wireless Communications*, **2018**, 25, 61-67	13.4	43
134	Energy Beamformer and Time Split Design for Wireless Powered Two-Way Relaying Systems. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3723-3736	9.6	11
133	Multipair Massive MIMO Relaying Systems With One-Bit ADCs and DACs. *IEEE Transactions on Signal Processing*, **2018**, 66, 2984-2997	4.8	34
132	Nonlinear Precoding for Multipair Relay Networks With One-Bit ADCs and DACs. *IEEE Signal Processing Letters*, **2018**, 25, 303-307	3.2	15
131	Joint User Pairing and Power Allocation Design for Heavy Loaded Full-Duplex Small Cell Systems. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8989-8993	6.8	10
130	Secrecy Performance of Incremental Relaying with Outdated CSI **2018**,		2
129	Physical Layer Security in SWIPT Systems with Nonlinear Energy Harvesting Circuits **2018**, 197-216		1
128	Harnessing Interference in SWIPT Systems **2018**, 181-196		

127	Fairness-Aware Wireless Powered Communications with Processing Cost **2018**, 121-137		
126	Wireless Information and Power Transfer in Relaying Systems **2018**, 157-179		
125	Ambient Backscatter Communication Systems with Multi-Antenna Reader **2018**,		5
124	Rate Analysis and ADC Bits Allocation for Cell-Free Massive MIMO Systems with Low Resolution ADCs **2018**,		9
123	On the Application of SWIPT in NOMA Networks **2018**, 99-120		0
122	Spectrum Sharing between UAV-based Wireless Mesh Networks and Ground Networks **2018**,		6
121	An Indoor mmWave Joint Radar and Communication System with Active Channel Perception **2018**,		8
120	The Era of Wireless Information and Power Transfer **2018**, 1-16		2
119	Sum Rate Maximization in UAV-Enabled Mobile Relay Networks **2018**,		2
118	Hybrid full-/half-duplex cellular networks: user admission and power control. *Frontiers of Information Technology and Electronic Engineering*, **2018**, 19, 379-387	2.2	
117	Wireless Powered Communication Networks With Non-Ideal Circuit Power Consumption. *IEEE Communications Letters*, **2017**, 21, 1429-1432	3.8	19
116	Proactive Eavesdropping in Relaying Systems. *IEEE Signal Processing Letters*, **2017**, 24, 917-921	3.2	52
115	Multi-Antenna Wireless Legitimate Surveillance Systems: Design and Performance Analysis. *IEEE Transactions on Wireless Communications*, **2017**, 16, 4585-4599	9.6	70
114	Full-Duplex Massive MIMO Relaying Systems With Low-Resolution ADCs. *IEEE Transactions on Wireless Communications*, **2017**, 16, 5033-5047	9.6	50
113	Wireless-Powered Cooperative Relay Networks **2017**, 1-30		
112	On the Capacity Scaling of Large Multipair Relay Networks With Successive Relaying Protocol. *IEEE Access*, **2017**, 5, 5882-5895	3.5	2
111	Wireless Powered Dual-Hop Multi-Antenna Relaying Systems: Impact of CSI and Antenna Correlation. *IEEE Transactions on Wireless Communications*, **2017**, 16, 2505-2519	9.6	21
110	Optimization and Analysis of Wireless Powered Multi-Antenna Cooperative Systems. *IEEE Transactions on Wireless Communications*, **2017**, 16, 3267-3281	9.6	38

109	Pilot Contamination Attack Detection Using Random Symbols for Massive MIMO Systems **2017**,		6
108	Multipair full-duplex massive MIMO relaying with low-resolution ADCs and imperfect CSI **2017**,		5
107	Interference coordination in full-duplex HetNet with large-scale antenna arrays **2017**,		3
106	Impact of Mobility on the Uplink Sum Rate of MIMO-OFDMA Cellular Systems. *IEEE Transactions on Communications*, **2017**, 1-1	6.9	2
105	Exploiting Multiple-Antenna Techniques for Non-Orthogonal Multiple Access. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2207-2220	14.2	84
104	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	8	17
103	On the design of massive access **2017**,		4
102	Performance of Proactive Eavesdropping in Dual-Hop Relaying Systems **2017**,		8
101	Optimization of Power Beacon Assisted Wireless Powered Two-Way Relaying Systems under User Fairness **2017**,		3
100	Channel Estimation and Rate Analysis for Multipair Massive MIMO Relaying with One-Bit Quantization **2017**,		1
99	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 2182-2195	6.8	140
98	. *IEEE Transactions on Wireless Communications*, **2016**, 15, 6843-6856	9.6	54
97	Impact of mobility on the sum rate of an NB-OFDMA based mobile IoT networks **2016**,		3
96	A Low-Complexity Multiuser Adaptive Modulation Scheme for Massive MIMO Systems. *IEEE Signal Processing Letters*, **2016**, 23, 1464-1468	3.2	7
95	Non-Orthogonal Multiple Access With Cooperative Full-Duplex Relaying. *IEEE Communications Letters*, **2016**, 20, 2478-2481	3.8	223
94	Robust Resource Allocation for Secrecy Wireless Powered Communication Networks. *IEEE Communications Letters*, **2016**, 20, 2430-2433	3.8	24
93	Secure Transmission in Cognitive Wiretap Networks **2016**,		5
92	Performance of ZF precoder in downlink massive MIMO with non-uniform user distribution. *Journal of Communications and Networks*, **2016**, 18, 688-698	4.1	9

91	Energy-Efficient Opportunistic Packet Scheduling in Mobile Relay Systems. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 5327-5336	6.8	1
90	. *IEEE Transactions on Communications*, **2016**, 64, 1769-1785	6.9	118
89	A Split-Reduced Successive Cancellation List Decoder for Polar Codes. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 292-302	14.2	30
88	Improving the Security of Cooperative Relaying Networks with Multiple Antennas **2016**,		1
87	Multi-pair two-way AF relaying systems with massive arrays and imperfect CSI **2016**,		10
86	Robust secure beamforming and power splitting for SWIPT over interference channels **2016**,		3
85	Secrecy outage probability of wirelessly powered wiretap channels **2016**,		2
84	A Low Complexity Encoding Algorithm for Systematic Polar Codes. *IEEE Communications Letters*, **2016**, 1-1	3.8	5
83	Some new research trends in wirelessly powered communications. *IEEE Wireless Communications*, **2016**, 23, 19-27	13.4	48
82	. *IEEE Transactions on Vehicular Technology*, **2016**, 1-1	6.8	18
81	Power Beacon Assisted Wiretap Channels With Jamming. *IEEE Transactions on Wireless Communications*, **2016**, 15, 8353-8367	9.6	28
80	Secrecy Performance of Wirelessly Powered Wiretap Channels. *IEEE Transactions on Communications*, **2016**, 64, 3858-3871	6.9	37
79	On the Secrecy Enhancement With Low-Complexity Large-Scale Transmit Selection in MIMO Generalized Composite Fading. *IEEE Wireless Communications Letters*, **2015**, 4, 429-432	5.9	6
78	Application of smart antenna technologies in simultaneous wireless information and power transfer **2015**, 53, 86-93		302
77	Error exponents for multi-keyhole MIMO channels. *Problems of Information Transmission*, **2015**, 51, 1-19	1.1	3
76	. *IEEE Transactions on Communications*, **2015**, 63, 1756-1770	6.9	69
75	Wireless Information and Power Transfer in Relay Systems With Multiple Antennas and Interference. *IEEE Transactions on Communications*, **2015**, 63, 1400-1418	6.9	115
74	Improving the throughput of wireless powered dual-hop systems with full duplex relaying **2015**,		6

73	Wireless-Powered Communications: Performance Analysis and Optimization. *IEEE Transactions on Communications*, **2015**, 63, 5178-5190	6.9	92
72	Full-duplex MIMO relaying powered by wireless energy transfer **2015**,		24
71	**2015**,		12
70	Error exponents analysis of dual-hop □and □fading channel with amplify-and-forward relaying. *IET Communications*, **2015**, 9, 1367-1379	1.3	
69	Simplified successive-cancellation decoding using information set reselection for polar codes with arbitrary blocklength. *IET Communications*, **2015**, 9, 1380-1387	1.3	9
68	Optimum Wirelessly Powered Relaying. *IEEE Signal Processing Letters*, **2015**, 1-1	3.2	36
67	A sequential antenna-hopping scheme for high mobility MIMO communications **2015**,		3
66	Performance comparison of different transmission schemes in uplink massive MIMO systems with dual-antenna users **2015**,		2
65	Capacity scaling of relay networks with successive relaying **2015**,		5
64	Performance of downlink massive MIMO in ricean fading channels with ZF precoder **2015**,		23
63	Wireless powered dual-hop multiple antenna relay transmission in the presence of interference **2015**,		2
62	Capacity analysis of UCA-based OAM multiplexing communication system **2015**,		21
61	Multi-antenna relay aided wireless physical layer security **2015**, 53, 40-46		96
60	. *IEEE Transactions on Communications*, **2015**, 63, 4879-4893	6.9	64
59	Differential Modulation Exploiting the Spatial□emporal Correlation of Wireless Channels With Moving Antenna Array. *IEEE Transactions on Communications*, **2015**, 63, 4990-5001	6.9	5
58	Performance Analysis of Multiuser Multiple Antenna Relaying Networks with Co-Channel Interference and Feedback Delay. *IEEE Transactions on Communications*, **2014**, 62, 59-73	6.9	67
57	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	9.6	41
56	Performance of Rayleigh-Product MIMO Channels with Linear Receivers. *IEEE Transactions on Wireless Communications*, **2014**, 13, 2270-2281	9.6	16

55	. *IEEE Transactions on Communications*, **2014**, 62, 4241-4254	6.9	34
54	Outage Analysis of Spectrum Sharing Relay Systems With Multiple Secondary Destinations Under Primary Users Interference. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 3456-3464	6.8	31
53	. *IEEE Transactions on Communications*, **2014**, 62, 3447-3461	6.9	297
52	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	6.9	41
51	Outage Performance of Spectrum Sharing Systems with MRC Diversity under Multiple Primary Users Interference. *IEEE Communications Letters*, **2014**, 18, 576-579	3.8	6
50	Exploiting cooperative multipath Doppler diversity in relay-assisted high-speed train communications. *Science Bulletin*, **2014**, 59, 5019-5028		2
49	Reliability Analysis for Large MIMO Systems. *IEEE Wireless Communications Letters*, **2014**, 3, 553-556	5.9	6
48	Adaptive vector OFDM system for transmission over doubly selective fading channels **2014**,		1
47	Performance analysis of interference-limited dual-hop multiple antenna AF relaying systems with feedback delay. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	1
46	. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 180-191	14.2	67
45	Outage Probability of Dual-Hop Multiple Antenna AF Relaying Systems with Interference. *IEEE Transactions on Communications*, **2013**, 61, 108-119	6.9	49
44	Outage analysis of spectrum sharing relay systems with multi-secondary destinations in the presence of primary users interference **2013**,		1
43	Energy Consumption Analysis of Energy Harvesting Systems with Power Grid. *IEEE Wireless Communications Letters*, **2013**, 2, 611-614	5.9	12
42	Distributed resource allocation for D2D communication underlaying cellular networks **2013**,		17
41	On the Capacity of Dual-Hop Multiple Antenna AF Relaying Systems with Feedback Delay and CCI. *IEEE Communications Letters*, **2013**, 17, 1200-1203	3.8	18
40	Performance analysis of partial relay selection with feedback delay in the presence of interference in Nakagami-m fading channels **2013**,		2
39	Performance Analysis of Orthogonal STBC in Generalized- K Fading MIMO Channels. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 1473-1479	6.8	16
38	. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 1730-1740	6.8	25

37	On the Sum Rate of MIMO Nakagami-m Fading Channels with Linear Receivers. *IEEE Transactions on Wireless Communications*, **2012**, 11, 3651-3659	9.6	11
36	Exact Outage Analysis of Dual-Hop Fixed-Gain AF Relaying with CCI under Dissimilar Nakagami-m Fading. *IEEE Communications Letters*, **2012**, 16, 1756-1759	3.8	10
35	Performance of User Selection in Cognitive Broadcast Channels. *IEEE Transactions on Communications*, **2012**, 60, 3529-3534	6.9	8
34	Performance Analysis of Optimal Single Stream Beamforming in MIMO Dual-Hop AF Systems. *IEEE Journal on Selected Areas in Communications*, **2012**, 30, 1415-1427	14.2	11
33	Low-SNR Analysis of MIMO Weibull Fading Channels. *IEEE Communications Letters*, **2012**, 16, 694-697	3.8	9
32	Distribution of the Ratio of the Largest Eigenvalue to the Trace of Complex Wishart Matrices. *IEEE Transactions on Signal Processing*, **2012**, 60, 5527-5532	4.8	30
31	Outage probability analysis of dual-hop multiple antenna fixed-gain AF relay systems with interference **2012**,		8
30	Error exponents for Orthogonal STBC in generalized-K fading MIMO channels **2012**,		4
29	Outage and Diversity of Cognitive Relaying Systems under Spectrum Sharing Environments in Nakagami-m Fading. *IEEE Communications Letters*, **2012**, 16, 2075-2078	3.8	56
28	Sum rate analysis of ZF receivers in distributed MIMO systems with Rayleigh/Lognormal fading **2012**,		2
27	Error exponents for Rayleigh fading product MIMO channels **2012**,		5
26	Performance analysis of distributed MIMO systems in Rayleigh/Inverse-Gaussian fading channels **2012**,		7
25	Effective Capacity of Correlated MISO Channels **2011**,		14
24	Performance Analysis of Dual-Hop AF Systems With Interference in Nakagami-m Fading Channels. *IEEE Signal Processing Letters*, **2011**, 18, 454-457	3.2	54
23	On the Performance of Eigenvalue-Based Cooperative Spectrum Sensing for Cognitive Radio. *IEEE Journal on Selected Topics in Signal Processing*, **2011**, 5, 49-55	7.5	92
22	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	6.8	139
21	Generic Ergodic Capacity Bounds for Fixed-Gain AF Dual-Hop Relaying Systems. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 3814-3824	6.8	35
20	. *IEEE Transactions on Communications*, **2011**, 59, 1309-1320	6.9	18

19	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,	3.2	6
18	. *IEEE Transactions on Wireless Communications*, **2011**, 10, 1754-1763	9.6	20
17	Performance Analysis of Dual-Hop AF Systems in Nakagami-m Fading Channels in the Presence of Interference **2011**,		4
16	. *IEEE Transactions on Signal Processing*, **2011**, 59, 4341-4353	4.8	44
15	Ergodic sum rate analysis of Rayleigh product MIMO channels with linear MMSE receiver **2011**,		4
14	Asymptotic Analysis for Nakagami-m Fading Channels with Relay Selection **2011**,		13
13	Performance Analysis of Partial Relay Selection with Feedback Delay in the Presence of Interference **2011**,		6
12	Outage Analysis for Optimal Beamforming MIMO Systems in Multikeyhole Channels. *IEEE Transactions on Signal Processing*, **2010**, 58, 1451-1456	4.8	7
11	Distribution of the Demmel Condition Number of Complex Wishart Matrices **2010**,		5
10	On the Performance of Eigenvalue-Based Spectrum Sensing for Cognitive Radio **2010**,		13
9	On the capacity of non-uniform phase MIMO nakagami-m fading channels. *IEEE Communications Letters*, **2010**, 14, 536-538	3.8	12
8	Dual-hop systems with noisy relay and interference-limited destination. *IEEE Transactions on Communications*, **2010**, 58, 764-768	6.9	157
7	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	6.9	13
6	Ergodic Capacity Analysis of Amplify-and-Forward MIMO Dual-Hop Systems. *IEEE Transactions on Information Theory*, **2010**, 56, 2204-2224	2.8	193
5	MIMO rayleigh-product channels with co-channel interference. *IEEE Transactions on Communications*, **2009**, 57, 1824-1835	6.9	11
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