Zhaoyang Zhang

List of Publications by Year in Descending Order

294 papers	5,030 citations	37 h-index	61 g-index
408 ext. papers	6,606 ext. citations	5.8 avg, IF	6.47 L-index

#	Paper	IF	Citations
294	Multi-Line Selective Optical Phased Array With Improved Uniformity of Radiated Beam Patterns. *IEEE Photonics Technology Letters*, **2022**, 34, 133-136	2.2	0
293	Unsourced Random Massive Access with Beam-Space Tree Decoding. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	1
292	Online Deep Neural Network for Optimization in Wireless Communications. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	1
291	High-Speed and Low-Power Silicon Optical Phased Array Based on The Carrier-Depletion Mechanism. *IEEE Photonics Technology Letters*, **2022**, 1-1	2.2	0
290	VQ-CSMA: Throughput-optimal Low-delay Random Access. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	
289	Silicon-Based MZI-Embedded Microring Array with Hitless and FSR-Alignment-Free Wavelength Selection. *IEEE Photonics Technology Letters*, **2022**, 1-1	2.2	0
288	Asynchronous Federated Learning over Wireless Communication Networks. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	4
287	Joint Channel Estimation and Signal Recovery for RIS-Empowered Multi-User Communications. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	17
286	Deep Learning based Channel Estimation for Massive MIMO with Hybrid Transceivers. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
285	Unsourced Massive Random Access Scheme Exploiting Reed-Muller Sequences. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	0
284	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
283	Communication-Efficient Federated Learning With Binary Neural Networks. *IEEE Journal on Selected Areas in Communications*, **2021**, 1-1	14.2	6
282	An Efficient Calibration Algorithm for IRS-Aided mmWave Systems with Hardware Impairments. *IEEE Communications Letters*, **2021**, 1-1	3.8	1
281	Concentrative Intelligent Reflecting Surface Aided Computational Imaging via Fast Block Sparse Bayesian Learning **2021**,		3
280	User Selection in Reconfigurable Intelligent Surface Assisted Communication Systems. *IEEE Communications Letters*, **2021**, 25, 1353-1357	3.8	6
279	Incremental Massive Random Access Exploiting the Nested Reed-Muller Sequences. *IEEE Transactions on Wireless Communications*, **2021**, 20, 2917-2932	9.6	2
278	Multi-Hop RIS-Empowered Terahertz Communications: A DRL-Based Hybrid Beamforming Design. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1663-1677	14.2	63

277	Over-the-air Learning Rate Optimization for Federated Learning **2021**,		1
276	Channel Estimation for RIS-Empowered Multi-User MISO Wireless Communications. *IEEE Transactions on Communications*, **2021**, 69, 4144-4157	6.9	139
275	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
274	Angle-Domain Intelligent Reflecting Surface Systems: Design and Analysis. *IEEE Transactions on Communications*, **2021**, 69, 4202-4215	6.9	5
273	Asynchronous Federated Learning over Wireless Communication Networks **2021**,		3
272	Feature-Aided Adaptive-Tuning Deep Learning for Massive Device Detection. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1899-1914	14.2	7
271	Cache-Enabled Multicast Content Pushing With Structured Deep Learning. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 2135-2149	14.2	1
270	Robust Design for NOMA-Based Multibeam LEO Satellite Internet of Things. *IEEE Internet of Things Journal*, **2021**, 8, 1959-1970	10.7	21
269	Robust Design for IRS-Aided Communication Systems With User Location Uncertainty. *IEEE Wireless Communications Letters*, **2021**, 10, 63-67	5.9	9
268	Content Caching Oriented Popularity Prediction: A Weighted Clustering Approach. *IEEE Transactions on Wireless Communications*, **2021**, 20, 623-636	9.6	9
267	Incentive Mechanism Design for Green Mobile D2D Caching Networks. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	1
266	An Attention-Aided Deep Learning Framework for Massive MIMO Channel Estimation. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
265	Joint Multi-User Communication and Sensing Exploiting Both Signal and Environment Sparsity. *IEEE Journal on Selected Topics in Signal Processing*, **2021**, 1-1	7.5	11
264	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	7
263	RIS-Assisted Multi-User MISO Communications Exploiting Statistical CSI. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	13
262	Data recovery with sub-Nyquist sampling: fundamental limit and a detection algorithm. *Frontiers of Information Technology and Electronic Engineering*, **2021**, 22, 232-243	2.2	0
261	Delay-Optimal Closed-Form Scheduling for Multi-Destination Computation Offloading. *IEEE Wireless Communications Letters*, **2021**, 10, 1904-1908	5.9	0
260	Delay Optimal Random Access With Heterogeneous Device Capabilities in Energy Harvesting Networks Using Mean Field Game. *IEEE Transactions on Wireless Communications*, **2021**, 20, 5543-5557	9.6	2

259	Distributed ADMM With Synergetic Communication and Computation. *IEEE Transactions on Communications*, **2021**, 69, 501-517	6.9	1
258	Integrated Sensing, Computation and Communication in B5G Cellular Internet of Things. *IEEE Transactions on Wireless Communications*, **2021**, 20, 332-344	9.6	14
257	Reinforcement Learning-based Mobile Edge Computing and Transmission Scheduling for Video Surveillance. *IEEE Transactions on Emerging Topics in Computing*, **2021**, 1-1	4.1	1
256	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
255	Terahertz Wireless Communications for 2030 and Beyond: A Cutting-Edge Frontier. *IEEE Communications Magazine*, **2021**, 59, 66-72	9.1	9
254	Bandwidth-Cache Pricing for Caching-Assisted Video Streaming Delivery **2020**,		3
253	Programmable Metasurface-Based Multicast Systems: Design and Analysis. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 1763-1776	14.2	38
252	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
251	Distributed ADMM with Synergetic Communication and Computation **2020**,		1
250	Robust Design for Intelligent Reflecting Surfaces Assisted MISO Systems. *IEEE Communications Letters*, **2020**, 24, 2353-2357	3.8	37
249	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
248	Integration of Energy, Computation and Communication in 6G Cellular Internet of Things. *IEEE Communications Letters*, **2020**, 24, 1333-1337	3.8	41
247	Sum Rate Optimization for Two Way Communications With Intelligent Reflecting Surface. *IEEE Communications Letters*, **2020**, 24, 1090-1094	3.8	52
246	Robust Integration of Computation and Communication in B5G Cellular Internet of Things **2020**,		2
245	Physical layer security for massive access in cellular Internet of Things. *Science China Information Sciences*, **2020**, 63, 1	3.4	13
244	Unsupervised Learning for Passive Beamforming. *IEEE Communications Letters*, **2020**, 24, 1052-1056	3.8	60
243	Optimization and Analysis of Wireless Powered Multi-Antenna Two-Way Relaying Systems. *IEEE Transactions on Communications*, **2020**, 68, 2048-2060	6.9	1
242	Video Surveillance on Mobile Edge Networks: A Reinforcement-Learning-Based Approach. *IEEE Internet of Things Journal*, **2020**, 7, 4746-4760	10.7	10

241	Cooperative Activity Detection: Sourced and Unsourced Massive Random Access Paradigms. *IEEE Transactions on Signal Processing*, **2020**, 68, 6578-6593	4.8	13
240	Distributed Computational Imaging with Reconfigurable Intelligent Surface **2020**,		1
239	An Angle Domain Design Framework for Intelligent Reflecting Surface Systems **2020**,		1
238	Deep Reinforcement Learning for Joint Beamwidth and Power Optimization in mmWave Systems. *IEEE Communications Letters*, **2020**, 24, 2201-2205	3.8	9
237	Convolutional Polar Coded Modulation. *IEEE Communications Letters*, **2020**, 24, 2396-2400	3.8	
236	NOMA based VR Video Transmissions Exploiting User Behavioral Coherence **2020**,		1
235	On the Design of B5G Multi-Beam LEO Satellite Internet of Things **2020**,		2
234	Joint Activity Detection and Channel Estimation for mmW/THz Wideband Massive Access **2020**,		7
233	Location Information Aided Multiple Intelligent Reflecting Surface Systems. *IEEE Transactions on Communications*, **2020**, 68, 7948-7962	6.9	47
232	Multi-Slot Distributed Measurement Selection: A Sparsity Learning Approach. *IEEE Transactions on Signal and Information Processing Over Networks*, **2020**, 6, 684-698	2.8	1
231	Incremental Random Massive Access Exploiting Nested Reed-Muller Sequences **2020**,		1
230	Cell-Free Massive MIMO Systems With Low Resolution ADCs. *IEEE Transactions on Communications*, **2019**, 67, 6844-6857	6.9	45
229	Distributed Successive Measurement Selection Based on Online Sparsity Inference **2019**,		1
228	Clustered Popularity Prediction for Content Caching **2019**,		4
227	Learn to Sense: A Meta-Learning-Based Sensing and Fusion Framework for Wireless Sensor Networks. *IEEE Internet of Things Journal*, **2019**, 6, 8215-8227	10.7	19
226	Queue-Stable Dynamic Compression and Transmission with Mobile Edge Computing **2019**,		1
225	Deep Learning for Spectrum Sensing. *IEEE Wireless Communications Letters*, **2019**, 8, 1727-1730	5.9	52
224	Energy Efficiency of Massive MIMO Downlink WPT With Mixed-ADCs. *IEEE Communications Letters*, **2019**, 23, 2316-2320	3.8	2

223	Joint Active User Detection and Channel Estimation in Massive Access Systems Exploiting Reed-Muller Sequences. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 739-752	7.5	16
222	Spectral Efficiency of Multipair Massive MIMO Two-Way Relaying With Imperfect CSI. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 6593-6607	6.8	8
221	Ambient Backscatter Communication Systems With MFSK Modulation. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2553-2564	9.6	13
220	Millimeter Wave Communication With Active Ambient Perception. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2751-2764	9.6	8
219	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
218	On the Design of Multiple-Antenna Non-Orthogonal Multiple Access **2019**, 229-256		0
217	Angle-Domain MmWave MIMO NOMA Systems: Analysis and Design **2019**,		2
216	Rateless Coded Uplink Transmission Design for Multi-User C-RAN. *Sensors*, **2019**, 19,	3.8	2
215	Delay-Optimal Joint Processing in Computation-Constrained Fog Radio Access Networks. *IEEE Access*, **2019**, 7, 58857-58865	3.5	1
214	Protocol Design and Analysis for Cellular Internet of Things with Massive Access **2019**,		2
213	Closed-Form Delay-Optimal Computation Offloading in Mobile Edge Computing Systems. *IEEE Transactions on Wireless Communications*, **2019**, 18, 4653-4667	9.6	24
212	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
211	Maximum-Eigenvalue Detector for Multiple Antenna Ambient Backscatter Communication Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 12411-12415	6.8	14
210	Low-Latency Adaptive Ordered Statistic Decoding of Polar Codes. *IEEE Access*, **2019**, 7, 134226-134235	3.5	2
209	Robust Convergence of Energy and Computation for B5G Cellular Internet of Things **2019**,		4
208	A Graph-Neural-Network Decoder with MLP-based Processing Cells for Polar Codes **2019**,		1
207	Robust Beamforming Design for SWIPT in Cellular Internet of Things **2019**,		2
206	BP List Decoding of Polar Codes with Adaptive Bit Splitting over Critical Set **2019**,		1

205	Robust Design for Massive Access in B5G Cellular Internet of Things **2019**,		2
204	Data Recovery from Sub-Nyquist Sampled Signals: Fundamental Limit and Detection Algorithm **2019**,		1
203	Outage-Constrained Robust Design for Sustainable B5G Cellular Internet of Things. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5780-5790	9.6	16
202	Load scheduling for distributed edge computing: A communication-computation tradeoff. *Peer-to-Peer Networking and Applications*, **2019**, 12, 1418-1432	3.1	6
201	Byzantine Attacker Identification in Collaborative Spectrum Sensing: A Robust Defense Framework. *IEEE Transactions on Mobile Computing*, **2019**, 18, 1992-2004	4.6	12
200	A Unified Design of Massive Access for Cellular Internet of Things. *IEEE Internet of Things Journal*, **2019**, 6, 3934-3947	10.7	37
199	. *IEEE Transactions on Aerospace and Electronic Systems*, **2019**, 55, 2296-2313	3.7	1
198	Relay Selection for Multi-Channel Cooperative Multicast: Lexicographic Max□Min Optimization. *IEEE Transactions on Communications*, **2018**, 66, 959-971	6.9	4
197	Heterogeneous Spectrum Aggregation: Coexistence From a Queue Stability Perspective. *IEEE Transactions on Wireless Communications*, **2018**, 17, 2471-2485	9.6	3
196	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
195	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
194	Symbol Detection of Ambient Backscatter Systems With Manchester Coding. *IEEE Transactions on Wireless Communications*, **2018**, 17, 4028-4038	9.6	44
193	On the Capacity of Wireless Powered Communication Systems Over Rician Fading Channels. *IEEE Transactions on Communications*, **2018**, 66, 404-417	6.9	24
192	Fully Non-Orthogonal Communication for Massive Access. *IEEE Transactions on Communications*, **2018**, 66, 1717-1731	6.9	76
191	One-Bit Quantized Massive MIMO Detection Based on Variational Approximate Message Passing. *IEEE Transactions on Signal Processing*, **2018**, 66, 2358-2373	4.8	28
190	Distributed Packet Forwarding and Caching Based on Stochastic Network Utility Maximization. *IEEE/ACM Transactions on Networking*, **2018**, 26, 1264-1277	3.8	15
189	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
188	Multipair Massive MIMO Relaying Systems With One-Bit ADCs and DACs. *IEEE Transactions on Signal Processing*, **2018**, 66, 2984-2997	4.8	34

187	Nonlinear Precoding for Multipair Relay Networks With One-Bit ADCs and DACs. *IEEE Signal Processing Letters*, **2018**, 25, 303-307	3.2	15
186	Distributed Jointly Sparse Multitask Learning Over Networks. *IEEE Transactions on Cybernetics*, **2018**, 48, 151-164	10.2	16
185	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
184	Delay-Optimal Random Access for Large-Scale Energy Harvesting Networks **2018**,		5
183	Performance Evaluation of Channel Decoding with Deep Neural Networks **2018**,		29
182	On the Cooperation for Content Caching from a Coalitional Game Perspective **2018**,		5
181	Successive Interference Cancellation Based Non-Orthogonal Opportunistic Beamforming **2018**,		2
180	Ambient Backscatter Communication Systems with Multi-Antenna Reader **2018**,		5
179	Concise Convolutional Neural Network for Crowd Counting **2018**,		1
178	Delay-Optimal Computation Offloading for Computation-Constrained Mobile Edge Networks **2018**,		3
177	Polar Coded Adaptive Data Transmission in an Indoor mmWave Scenario **2018**,		1
176	Computational Resource Constrained Multi-Cell Joint Processing in Fog Radio Access Networks **2018**,		3
175	Rate Analysis and ADC Bits Allocation for Cell-Free Massive MIMO Systems with Low Resolution ADCs **2018**,		9
174	Progressive Bit-Flipping Decoding of Polar Codes: A Critical-Set Based Tree Search Approach. *IEEE Access*, **2018**, 6, 57738-57750	3.5	11
173	Rateless Multiple Access: Asymptotic Throughput Analysis and Improvement With Spatial Coupling. *IEEE Access*, **2018**, 6, 63200-63213	3.5	5
172	An Indoor mmWave Joint Radar and Communication System with Active Channel Perception **2018**,		8
171	Hybrid Limited Feedback in 5G Cellular Systems With Massive MIMO. *IEEE Systems Journal*, **2017**, 11, 50-61	4.3	6
170	. *IEEE Access*, **2017**, 5, 6399-6410	3.5	67

169	An Orbital Angular Momentum-Based In-Band Full-Duplex Communication System and Its Mode Selection. *IEEE Communications Letters*, **2017**, 21, 1183-1186	3.8	15
168	Proactive Eavesdropping in Relaying Systems. *IEEE Signal Processing Letters*, **2017**, 24, 917-921	3.2	52
167	Multi-Antenna Wireless Legitimate Surveillance Systems: Design and Performance Analysis. *IEEE Transactions on Wireless Communications*, **2017**, 16, 4585-4599	9.6	70
166	Full-Duplex Massive MIMO Relaying Systems With Low-Resolution ADCs. *IEEE Transactions on Wireless Communications*, **2017**, 16, 5033-5047	9.6	50
165	On the Capacity Scaling of Large Multipair Relay Networks With Successive Relaying Protocol. *IEEE Access*, **2017**, 5, 5882-5895	3.5	2
164	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
163	Universal Filtered Multi-Carrier Transmission With Adaptive Active Interference Cancellation. *IEEE Transactions on Communications*, **2017**, 65, 2554-2567	6.9	15
162	Optimization and Analysis of Wireless Powered Multi-Antenna Cooperative Systems. *IEEE Transactions on Wireless Communications*, **2017**, 16, 3267-3281	9.6	38
161	Delay-aware massive random access for machine-type communications via hierarchical stochastic learning **2017**,		9
160	Delay-Constrained Hybrid Computation Offloading With Cloud and Fog Computing. *IEEE Access*, **2017**, 5, 21355-21367	3.5	96
159	Multipair full-duplex massive MIMO relaying with low-resolution ADCs and imperfect CSI **2017**,		5
158	Computational resource constrained multi-cell joint processing in cloud radio access networks **2017** ,		4
157	Impact of Mobility on the Uplink Sum Rate of MIMO-OFDMA Cellular Systems. *IEEE Transactions on Communications*, **2017**, 1-1	6.9	2
156	Energy Efficient Scheduling for Delay-Constrained Spectrum Aggregation: A Differentiated Water-Filling Approach. *IEEE Transactions on Green Communications and Networking*, **2017**, 1, 395-408	4	2
155	Exploiting Multiple-Antenna Techniques for Non-Orthogonal Multiple Access. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2207-2220	14.2	84
154	Moderate Incentive Design for Delay-Constrained Device-to-Device Relaying. *Mobile Networks and Applications*, **2017**, 22, 577-588	2.9	1
153	User Behavior-Aware Scheduling Based on Time–Frequency Resource Conversion. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 8429-8444	6.8	6
152	On the design of massive access **2017**,		4

151	Performance of Proactive Eavesdropping in Dual-Hop Relaying Systems **2017**,		8
150	Content Caching Clustering Based on Piecewise Interest Similarity **2017**,		5
149	Reed-Muller Sequences for 5G Grant-Free Massive Access **2017**,		8
148	. *IEEE Transactions on Wireless Communications*, **2017**, 16, 6766-6778	9.6	2
147	Impact of mobility on the sum rate of an NB-OFDMA based mobile IoT networks **2016**,		3
146	A Low-Complexity Multiuser Adaptive Modulation Scheme for Massive MIMO Systems. *IEEE Signal Processing Letters*, **2016**, 23, 1464-1468	3.2	7
145	Non-Orthogonal Multiple Access With Cooperative Full-Duplex Relaying. *IEEE Communications Letters*, **2016**, 20, 2478-2481	3.8	223
144	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
143	Distributed Active Learning. *IEEE Access*, **2016**, 4, 2572-2579	3.5	7
142	Mobile Conductance in Sparse Networks and Mobility-Connectivity Tradeoff. *IEEE Transactions on Wireless Communications*, **2016**, 15, 2954-2965	9.6	3
141	Virtual-MIMO-Boosted Information Propagation on Highways. *IEEE Transactions on Wireless Communications*, **2016**, 15, 1420-1431	9.6	12
140	Energy-Efficient Opportunistic Packet Scheduling in Mobile Relay Systems. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 5327-5336	6.8	1
139	A Split-Reduced Successive Cancellation List Decoder for Polar Codes. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 292-302	14.2	30
138	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 5512-5524	6.8	8
137	Content caching at sleeping-enabled base stations in heterogeneous networks **2016**,		5
136	Multi-pair two-way AF relaying systems with massive arrays and imperfect CSI **2016**,		10
135	Secrecy outage probability of wirelessly powered wiretap channels **2016**,		2
134	Rate-varying space-time coding scheme for multiple-input multiple-output fading channel with zero-forcing receiver. *IET Communications*, **2016**, 10, 624-631	1.3	

133	A Low Complexity Encoding Algorithm for Systematic Polar Codes. *IEEE Communications Letters*, **2016**, 1-1	3.8	5
132	Power Beacon Assisted Wiretap Channels With Jamming. *IEEE Transactions on Wireless Communications*, **2016**, 15, 8353-8367	9.6	28
131	Grant-Free Rateless Multiple Access: A Novel Massive Access Scheme for Internet of Things. *IEEE Communications Letters*, **2016**, 20, 2019-2022	3.8	45
130	Secrecy Performance of Wirelessly Powered Wiretap Channels. *IEEE Transactions on Communications*, **2016**, 64, 3858-3871	6.9	37
129	Wireless Information and Power Transfer in Relay Systems With Multiple Antennas and Interference. *IEEE Transactions on Communications*, **2015**, 63, 1400-1418	6.9	115
128	Improving the throughput of wireless powered dual-hop systems with full duplex relaying **2015**,		6
127	Wireless-Powered Communications: Performance Analysis and Optimization. *IEEE Transactions on Communications*, **2015**, 63, 5178-5190	6.9	92
126	Opportunistic wireless information and energy transfer for sustainable cooperative relaying **2015**,		3
125	Simplified successive-cancellation decoding using information set reselection for polar codes with arbitrary blocklength. *IET Communications*, **2015**, 9, 1380-1387	1.3	9
124	Modeling Epidemics Spreading on Social Contact Networks. *IEEE Transactions on Emerging Topics in Computing*, **2015**, 3, 410-419	4.1	33
123	Decentralized interference coordination for D2D communication underlying cellular Networks **2015**,		2
122	Optimum Wirelessly Powered Relaying. *IEEE Signal Processing Letters*, **2015**, 1-1	3.2	36
121	Power Control for Sum-Rate Maximization on Interference Channels Under Sum Power Constraint. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 593-609	6.8	41
120	Cluster-based Epidemic Control Through Smartphone-based Body Area Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 681-690	3.7	22
119	Multi-Carrier Rateless Multiple Access: A Novel Protocol for Dynamic Massive Access **2015**,		3
118	Epidemic source tracing on social contact networks **2015**,		5
117	Low Cost Pre-Coder Design for MIMO AF Two-Way Relay Channel. *IEEE Signal Processing Letters*, **2015**, 22, 1369-1372	3.2	5
116	A sequential antenna-hopping scheme for high mobility MIMO communications **2015**,		3

115	Performance comparison of different transmission schemes in uplink massive MIMO systems with dual-antenna users **2015**,		2
114	Capacity scaling of relay networks with successive relaying **2015**,		5
113	Performance of downlink massive MIMO in ricean fading channels with ZF precoder **2015**,		23
112	Universal filtered multi-carrier transmission with active interference cancellation **2015**,		4
111	. *IEEE Transactions on Communications*, **2015**, 63, 4879-4893	6.9	64
110	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
109	Wireless Energy and Information Transfer Tradeoff for Limited-Feedback Multiantenna Systems With Energy Beamforming. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 407-412	6.8	191
108	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
107	Performance of Rayleigh-Product MIMO Channels with Linear Receivers. *IEEE Transactions on Wireless Communications*, **2014**, 13, 2270-2281	9.6	16
106	Distance-based energy-efficient opportunistic forwarding in mobile delay tolerant networks **2014**,		3
105	Opportunistic forwarding in energy harvesting mobile delay tolerant networks **2014**,		9
104	. *IEEE Transactions on Communications*, **2014**, 62, 3447-3461	6.9	297
103	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
102	On the SC decoder for any polar code of length N =ln **2014**,		2
101	Random access for a cognitive radio transmitter with RF energy harvesting **2014**,		5
100	Exploiting cooperative multipath□oppler diversity in relay-assisted high-speed train communications. *Science Bulletin*, **2014**, 59, 5019-5028		2
99	Differential space-time coding for cooperative relay system over frequency-selective channels **2014**,		1
98	Faster information propagation on highways: A virtual MIMO approach **2014**,		2

97	Adaptive code symbol assignment in a rateless coded multichannel cognitive radio network. *International Journal of Communication Systems*, **2014**, 27, 2141-2155	1.7	
96	Exploiting large-scale MIMO techniques for physical layer security with imperfect channel state information **2014**,		7
95	Adaptive vector OFDM system for transmission over doubly selective fading channels **2014**,		1
94	Mobile conductance in sparse networks and mobility-connectivity tradeoff **2014**,		6
93	Distributed cache replacement for caching-enable base stations in cellular networks **2014**,		42
92	Wireless information and energy transfer in interference aware massive MIMO systems **2014**,		16
91	UCA-based orbital angular momentum radio beam generation and reception under different array configurations **2014**,		18
90	On the transmission opportunity and TCP throughput in cognitive radio networks. *International Journal of Communication Systems*, **2014**, 27, 303-321	1.7	6
89	Sensing error aware delay-optimal channel allocation scheme for cognitive radio networks. *Telecommunication Systems*, **2013**, 52, 1895-1904	2.3	10
88	Outage Probability of Dual-Hop Multiple Antenna AF Relaying Systems with Interference. *IEEE Transactions on Communications*, **2013**, 61, 108-119	6.9	49
87	Gossip-Based Information Spreading in Mobile Networks. *IEEE Transactions on Wireless Communications*, **2013**, 12, 5918-5928	9.6	16
86	Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. *IEEE Transactions on Wireless Communications*, **2013**, 12, 3158-3169	9.6	10
85	Effective epidemic control and source tracing through mobile social sensing over WBANs **2013**,		15
84	Concatenated channel-and-network coding scheme for two-path successive relay network. *IET Communications*, **2013**, 7, 82-90	1.3	2
83	Distributed resource allocation for D2D communication underlaying cellular networks **2013**,		17
82	On the Capacity Region of Cognitive Multiple Access over White Space Channels. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 2517-2527	14.2	8
81	Rateless codes with unequal error protection based on improved weighted selection **2013**,		1
80	Effective Relay Selection for Underwater Cooperative Acoustic Networks **2013**,		17

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78	Belief propagation with gradual edge removal for Raptor codes over AWGN channel **2013**,		4
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