

# Ming Xiao

## List of Publications by Year in descending order

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259  
papers

8,055  
citations

81743

39  
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58464

82  
g-index

260  
all docs

260  
docs citations

260  
times ranked

6415  
citing authors

#	ARTICLE	IF	CITATIONS
1	SmartDID: A Novel Privacy-Preserving Identity Based on Blockchain for IoT. IEEE Internet of Things Journal, 2023, 10, 6718-6732.	5.5	19
2	Time Allocation and Mode Selection for Secure Communications in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 3743-3755.	5.5	0
3	Achievable Rate Analysis of Millimeter Wave Channels Using Random Coding Error Exponents. IEEE Transactions on Wireless Communications, 2022, 21, 250-263.	6.1	0
4	Performance Evaluation of Offset Spatial Modulation Systems With Practical Channel Estimation. IEEE Systems Journal, 2022, 16, 1334-1344.	2.9	2
5	Charactering the Peak-to-Average Power Ratio of OTFS Signals: A Large System Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 3705-3720.	6.1	9
6	Performance Analysis of Heterogeneous Cellular Caching Networks With Overlapping Small Cells. IEEE Transactions on Vehicular Technology, 2022, 71, 1941-1951.	3.9	1
7	Noise Error Pattern Generation Based on Successive Addition-Subtraction for GRAND-MO. IEEE Communications Letters, 2022, 26, 743-747.	2.5	5
8	Federated Learning Over Wireless IoT Networks With Optimized Communication and Resources. IEEE Internet of Things Journal, 2022, 9, 16592-16605.	5.5	35
9	Distributed Learning for Wireless Communications: Methods, Applications and Challenges. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 326-342.	7.3	13
10	Intelligent Reflecting Surface Aided Wireless Networks: Dynamic User Access and System Sum-Rate Maximization. IEEE Transactions on Communications, 2022, 70, 2870-2881.	4.9	7
11	Designing Low-PAPR Waveform for OFDM-Based RadCom Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6979-6993.	6.1	21
12	Secure Online Fountain Codes With Low Complexity. IEEE Communications Letters, 2022, 26, 1499-1503.	2.5	2
13	On the Efficient Design of RIS-Assisted Secure MISO Transmission. IEEE Wireless Communications Letters, 2022, 11, 1664-1668.	3.2	3
14	Editorial: Introduction to the Issue on Distributed Machine Learning for Wireless Communication. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 320-325.	7.3	0
15	Artificial Noise Elimination: From the Perspective of Eavesdroppers. IEEE Transactions on Communications, 2022, 70, 4745-4754.	4.9	6
16	Short-Packet Interleaver Against Impulse Interference in Practical Industrial Environments. IEEE Transactions on Wireless Communications, 2022, 21, 10257-10270.	6.1	1
17	DRL-based Beam Allocation in Relay-aided Multi-user MmWave Vehicular Networks. , 2022, , .		3
18	Training Beam Sequence Design for mmWave Tracking Systems With and Without Environmental Knowledge. IEEE Transactions on Wireless Communications, 2022, 21, 10780-10795.	6.1	2

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19	Adaptive Stochastic ADMM for Decentralized Reinforcement Learning in Edge IoT. IEEE Internet of Things Journal, 2022, 9, 22958-22971.	5.5	2
20	Reliable Broadcast Based on Online Fountain Codes. IEEE Communications Letters, 2021, 25, 369-373.	2.5	15
21	Learning-Based Hybrid Beamforming Design for Full-Duplex Millimeter Wave Systems. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 120-132.	4.9	20
22	Interference Suppression for Railway Wireless Communication Systems: A Reconfigurable Intelligent Surface Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 11593-11603.	3.9	20
23	Weighted Online Fountain Codes With Limited Buffer Size and Feedback Transmissions. IEEE Transactions on Communications, 2021, 69, 7960-7973.	4.9	6
24	A Novel Hybrid Code-Domain Index Modulation. IEEE Communications Letters, 2021, , 1-1.	2.5	1
25	Joint Transmission Reception Point Selection and Resource Allocation for Energy-Efficient Millimeter-Wave Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 412-428.	3.9	10
26	A Learning-Based Spectrum Access Stackelberg Game: Friendly Jammer-Assisted Communication Confrontation. IEEE Transactions on Vehicular Technology, 2021, 70, 700-713.	3.9	37
27	Two Birds With One Stone: Simultaneous Jamming and Eavesdropping With the Bayesian-Stackelberg Game. IEEE Transactions on Communications, 2021, 69, 8013-8027.	4.9	8
28	Resource Allocation for Energy-Efficient NOMA System in Coordinated Multi-Point Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 1577-1591.	3.9	5
29	On Resource Allocation of Cooperative Multiple Access Strategy in Energy-Efficient Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 1069-1078.	7.2	15
30	Decentralized Beamforming Design for Intelligent Reflecting Surface-Enhanced Cell-Free Networks. IEEE Wireless Communications Letters, 2021, 10, 673-677.	3.2	57
31	Low Complexity Generalized-LDPC Decoder Based on Trellis Splicing. IEEE Communications Letters, 2021, 25, 830-834.	2.5	2
32	Coded Stochastic ADMM for Decentralized Consensus Optimization With Edge Computing. IEEE Internet of Things Journal, 2021, 8, 5360-5373.	5.5	11
33	Coding for Distributed Fog Computing in Internet of Mobile Things. IEEE Transactions on Mobile Computing, 2021, 20, 1337-1350.	3.9	12
34	Precoded Optical Spatial Modulation for Indoor Visible Light Communications. IEEE Transactions on Communications, 2021, 69, 2518-2531.	4.9	4
35	Multi-Dimensional Polarized Modulation for Land Mobile Satellite Communications. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 383-397.	4.9	10
36	Multi-Agent Reinforcement Learning for Cooperative Coded Caching via Homotopy Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 5258-5272.	6.1	21

#	ARTICLE	IF	CITATIONS
37	Design of Offset Spatial Modulation OFDM. IEEE Transactions on Communications, 2021, 69, 6267-6280.	4.9	4
38	Randomized Neural Networks Based Decentralized Multi-Task Learning via Hybrid Multi-Block ADMM. IEEE Transactions on Signal Processing, 2021, 69, 2844-2857.	3.2	4
39	Fully Decentralized Federated Learning-Based On-Board Mission for UAV Swarm System. IEEE Communications Letters, 2021, 25, 3296-3300.	2.5	14
40	Regularized Sequential Latent Variable Models with Adversarial Neural Networks. , 2021, , .		0
41	Towards High-Performance Wireless Control: $10^{-7}$ Packet Error Rate in Real Factory Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 5554-5564.	7.2	16
42	Enhancing Physical Layer Security in Internet of Things via Feedback: A General Framework. IEEE Internet of Things Journal, 2020, 7, 99-115.	5.5	13
43	Coded Decentralized Learning With Gradient Descent for Big Data Analytics. IEEE Communications Letters, 2020, 24, 362-366.	2.5	6
44	Mobility-Aware Content Preference Learning in Decentralized Caching Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 62-73.	4.9	16
45	Cache-Enabled Millimeter Wave Cellular Networks With Clusters. IEEE Transactions on Communications, 2020, 68, 7732-7745.	4.9	9
46	Cross-Media Communications With Decode-and-Forward Relay and Optimal Power Allocation. IEEE Transactions on Vehicular Technology, 2020, 69, 9201-9205.	3.9	7
47	Hybrid Beamforming for Millimeter Wave Multi-User MIMO Systems Using Learning Machine. IEEE Wireless Communications Letters, 2020, 9, 1914-1918.	3.2	9
48	Privacy-Preserving Incremental ADMM for Decentralized Consensus Optimization. IEEE Transactions on Signal Processing, 2020, 68, 5842-5854.	3.2	12
49	Incremental ADMM with Privacy-Preservation for Decentralized Consensus Optimization. , 2020, , .		2
50	Resource Management for Maximizing the Secure Sum Rate in Dense Millimeter-Wave Networks. IEEE Access, 2020, 8, 158416-158431.	2.6	5
51	On the Physical Layer Security of Millimeter Wave NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11697-11711.	3.9	19
52	Analysis for Rank Distribution of BATS Codes under Time-Variant Channels. , 2020, , .		4
53	Deep Reinforcement Learning-Based Spectrum Allocation in Integrated Access and Backhaul Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 970-979.	4.9	60
54	Traffic-Aware Two-Stage Queueing Communication Networks: Queue Analysis and Energy Saving. IEEE Transactions on Communications, 2020, 68, 4919-4932.	4.9	16

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55	Hybrid Transceiver Design for Beamspace MIMO-NOMA in Code-Domain for MmWave Communication Using Lens Antenna Array. IEEE Journal on Selected Areas in Communications, 2020, 38, 2118-2127.	9.7	16
56	Energy-Efficient Transceiver Design for Cache-Enabled Millimeter-Wave Systems. IEEE Transactions on Communications, 2020, 68, 3876-3889.	4.9	4
57	Decentralized Consensus Optimization Based on Parallel Random Walk. IEEE Communications Letters, 2020, 24, 391-395.	2.5	11
58	Design and Analysis of Online Fountain Codes for Intermediate Performance. IEEE Transactions on Communications, 2020, 68, 5313-5325.	4.9	15
59	Interference Control for Railway Wireless Communication Systems: Techniques, Challenges, and Trends. IEEE Vehicular Technology Magazine, 2020, 15, 51-58.	2.8	8
60	Nested Construction of Polar Codes for Blind Detection. IEEE Wireless Communications Letters, 2020, 9, 711-715.	3.2	7
61	Dynamic Socially-Motivated D2D Relay Selection With Uniform QoE Criterion for Multi-Demands. IEEE Transactions on Communications, 2020, 68, 3355-3368.	4.9	11
62	Automatic Medical Code Assignment via Deep Learning Approach for Intelligent Healthcare. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2506-2515.	3.9	30
63	Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. IEEE Transactions on Vehicular Technology, 2020, 69, 15298-15313.	3.9	4
64	Low-Latency Communications with Millimeter Wave. , 2020, , 733-736.		0
65	Omnidirectional Transmission for Massive MIMO. , 2020, , 1040-1043.		0
66	Millimeter Wave Massive MIMO. , 2020, , 830-833.		0
67	Machine Learning-Based Handovers for Sub-6 GHz and mmWave Integrated Vehicular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 4873-4885.	6.1	71
68	Full-Duplex and C-RAN Based Multi-Cell Non-Orthogonal Multiple Access Over 5G Wireless Networks. , 2019, , .		0
69	Adaptive Spatial Modulation MIMO Based on Machine Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2117-2131.	9.7	70
70	6G Wireless Communications: Vision and Potential Techniques. IEEE Network, 2019, 33, 70-75.	4.9	657
71	Performance Analysis for MmWave MIMO-SCMA Systems using Lens Antenna Array. , 2019, , .		2
72	Analysis of irregular repetition spatially-coupled slotted ALOHA. Science China Information Sciences, 2019, 62, 1.	2.7	7

#	ARTICLE	IF	CITATIONS
73	Distributed BATS-Based Schemes for Uplink of Industrial Internet of Things. , 2019, , .		3
74	Optimal Power Allocations for 5G Non-Orthogonal Multiple Access with Half-Duplex Relaying. , 2019, , .		7
75	6G Wireless Networks: Vision, Requirements, Architecture, and Key Technologies. IEEE Vehicular Technology Magazine, 2019, 14, 28-41.	2.8	1,275
76	Achievable Rate Analysis of Millimeter Wave Channels with Random Coding Error Exponent. , 2019, , .		0
77	Threshold-Free Physical Layer Authentication Based on Machine Learning for Industrial Wireless CPS. IEEE Transactions on Industrial Informatics, 2019, 15, 6481-6491.	7.2	60
78	Guest Editorial Special Issue on Low-Latency High-Reliability Communications for the IoT. IEEE Internet of Things Journal, 2019, 6, 7811-7815.	5.5	1
79	Convolutional LSTM Network with Hierarchical Attention for Relation Classification in Clinical Texts. , 2019, , .		2
80	Dynamic Social-Aware Peer Selection for Cooperative Relay Management With D2D Communications. IEEE Transactions on Communications, 2019, 67, 3124-3139.	4.9	36
81	Enhanced Receive Spatial Modulation Based on Power Allocation. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1312-1325.	7.3	15
82	Offset Spatial Modulation and Offset Space Shift Keying: Efficient Designs for Single-RF MIMO Systems. IEEE Transactions on Communications, 2019, 67, 5434-5444.	4.9	19
83	On Precoding and Energy Efficiency of Full-Duplex Millimeter-Wave Relays. IEEE Transactions on Wireless Communications, 2019, 18, 1943-1956.	6.1	45
84	High-Reliability and Low-Latency Wireless Communication for Internet of Things: Challenges, Fundamentals, and Enabling Technologies. IEEE Internet of Things Journal, 2019, 6, 7946-7970.	5.5	170
85	NOMA-Aided Precoded Spatial Modulation for Downlink MIMO Transmissions. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 729-738.	7.3	37
86	Clone Detection Based on Physical Layer Reputation for Proximity Service. IEEE Access, 2019, 7, 3948-3957.	2.6	18
87	Energy Efficient Power Allocation With Demand Side Coordination for OFDMA Downlink Transmissions. IEEE Transactions on Wireless Communications, 2019, 18, 2141-2155.	6.1	3
88	Low complexity decoding of Reed-Solomon codes over magnetic recording channels. Electronics Letters, 2019, 55, 159-161.	0.5	0
89	Beam Management for Millimeter-Wave BeamSpace MU-MIMO Systems. IEEE Transactions on Communications, 2019, 67, 205-217.	4.9	39
90	Spectrum Sharing for Internet of Things: A Survey. IEEE Wireless Communications, 2019, 26, 132-139.	6.6	142

#	ARTICLE	IF	CITATIONS
91	The Sensable City: A Survey on the Deployment and Management for Smart City Monitoring. IEEE Communications Surveys and Tutorials, 2019, 21, 1533-1560.	24.8	196
92	Energy Efficient Two-Tier Network-Coded Relaying Systems Considering Processing Energy Costs. IEEE Transactions on Vehicular Technology, 2019, 68, 999-1003.	3.9	11
93	Optimal Node Deployment and Energy Provision for Wirelessly Powered Sensor Networks. IEEE Journal on Selected Areas in Communications, 2019, 37, 407-423.	9.7	21
94	Spectrum Sharing With Network Coding for Multiple Cognitive Users. IEEE Internet of Things Journal, 2019, 6, 230-238.	5.5	3
95	A Text Annotation Tool with Pre-annotation Based on Deep Learning. Lecture Notes in Computer Science, 2019, , 440-451.	1.0	2
96	Hybrid Precoding for Multi-Subarray Millimeter-Wave Communication Systems. IEEE Wireless Communications Letters, 2018, 7, 440-443.	3.2	21
97	Fundamental Tradeoffs of Non-Orthogonal Multicast, Multicast, and Unicast in Ultra-Dense Networks. IEEE Transactions on Communications, 2018, 66, 3555-3570.	4.9	9
98	Bit-Interleaved Coded SCMA With Iterative Multiuser Detection: Multidimensional Constellations Design. IEEE Transactions on Communications, 2018, 66, 5292-5304.	4.9	33
99	Decentralized Beam Pair Selection in Multi-Beam Millimeter-Wave Networks. IEEE Transactions on Communications, 2018, 66, 2722-2737.	4.9	79
100	Analysis of Millimeter-Wave Multi-Hop Networks With Full-Duplex Buffered Relays. IEEE/ACM Transactions on Networking, 2018, 26, 576-590.	2.6	25
101	Optimized Cooperative Multiple Access in Industrial Cognitive Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 2666-2676.	7.2	19
102	Discrete Power Control and Transmission Duration Allocation for Self-Backhauling Dense mmWave Cellular Networks. IEEE Transactions on Communications, 2018, 66, 432-447.	4.9	42
103	Traffic Allocation for Low-Latency Multi-Hop Networks With Buffers. IEEE Transactions on Communications, 2018, 66, 3999-4013.	4.9	19
104	Power Domain Non-Orthogonal Transmission for Cellular Mobile Broadcasting: Basic Scheme, System Design, and Coverage Performance. IEEE Wireless Communications, 2018, 25, 90-99.	6.6	19
105	Heterogeneous Ultradense Networks with NOMA: System Architecture, Coordination Framework, and Performance Evaluation. IEEE Vehicular Technology Magazine, 2018, 13, 110-120.	2.8	27
106	Multi-source network-coded D2D cooperative content distribution systems. Journal of Communications and Networks, 2018, 20, 69-84.	1.8	13
107	Performance Analysis of Millimeter-Wave Relaying: Impacts of Beamwidth and Self-Interference. IEEE Transactions on Communications, 2018, 66, 589-600.	4.9	43
108	Optimal Nonuniform Steady mmWave Beamforming for High-Speed Railway. IEEE Transactions on Vehicular Technology, 2018, 67, 4350-4358.	3.9	37

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109	On Maximizing Sensor Network Lifetime by Energy Balancing. IEEE Transactions on Control of Network Systems, 2018, 5, 1206-1218.	2.4	34
110	Performance Analysis of Uplink SCMA With Receiver Diversity and Randomly Deployed Users. IEEE Transactions on Vehicular Technology, 2018, 67, 2792-2797.	3.9	19
111	Recent advances in machine learning for non-Gaussian data processing. Neurocomputing, 2018, 278, 1-3.	3.5	2
112	State of the art on road traffic sensing and learning based on mobile user network log data. Neurocomputing, 2018, 278, 110-118.	3.5	7
113	Energy Efficient Hybrid Precoding for Millimeter Wave F-RAN with Wireless Fronthaul. , 2018, , .		1
114	Authentication Based on Channel State Information for Industrial Wireless Communications. , 2018, , .		14
115	A state metrics compressed decoding technique for energy-efficient turbo decoder. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	2
116	Energy-Efficient Cooperative Hybrid Precoding for Millimeter-Wave Communication Networks. , 2018, , .		4
117	Physical-Layer Security for Industrial Wireless Control Systems: Basics and Future Directions. IEEE Industrial Electronics Magazine, 2018, 12, 18-27.	2.3	61
118	Performance Analysis of Interference and Eavesdropping Immunity in Narrow Beam mmWave Networks. IEEE Access, 2018, 6, 67611-67624.	2.6	13
119	Wireless High-Performance Communications: Improving Effectiveness and Creating Ultrahigh Reliability with Channel Coding. IEEE Industrial Electronics Magazine, 2018, 12, 32-37.	2.3	17
120	Decentralized Caching Schemes and Performance Limits in Two-Layer Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 12177-12192.	3.9	9
121	Performance Analysis and Improvement of Online Fountain Codes. IEEE Transactions on Communications, 2018, 66, 5916-5926.	4.9	15
122	Analysis on Consistency of Content Update in Cache-Enabled Heterogeneous Networks. , 2018, , .		2
123	Channel Coding for High Performance Wireless Control in Critical Applications: Survey and Analysis. IEEE Access, 2018, 6, 29648-29664.	2.6	44
124	Constant Envelope Hybrid Precoding for Directional Millimeter-Wave Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 845-859.	9.7	55
125	Strong Secrecy for Interference Channels Based on Channel Resolvability. IEEE Transactions on Information Theory, 2018, 64, 5110-5130.	1.5	10
126	Secrecy Performance Analysis in Downlink NOMA Systems with Cooperative Full-Duplex Relaying. , 2018, , .		11



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127	Diverse Communication Modes in Cooperative Downlink Non-Orthogonal Multiple Access - Invited Paper. , 2018, , .		0
128	Distributed Fog Computing Based on Batched Sparse Codes for Industrial Control. IEEE Transactions on Industrial Informatics, 2018, 14, 4683-4691.	7.2	19
129	Secure Communication Over Finite State Multiple-Access Wiretap Channel With Delayed Feedback. IEEE Journal on Selected Areas in Communications, 2018, 36, 723-736.	9.7	15
130	Low-Latency Millimeter-Wave Communications: Traffic Dispersion or Network Densification?. IEEE Transactions on Communications, 2018, 66, 3526-3539.	4.9	41
131	Performance Analysis of Cognitive User Cooperation Using Binary Network Coding. IEEE Transactions on Vehicular Technology, 2018, 67, 7355-7369.	3.9	3
132	Enhanced frameless slotted ALOHA protocol with Markov chains analysis. Science China Information Sciences, 2018, 61, 1.	2.7	8
133	Game Theory-Based Anti-Jamming Strategies for Frequency Hopping Wireless Communications. IEEE Transactions on Wireless Communications, 2018, 17, 5314-5326.	6.1	60
134	Towards Immortal Wireless Sensor Networks by Optimal Energy Beamforming and Data Routing. IEEE Transactions on Wireless Communications, 2018, 17, 5338-5352.	6.1	14
135	Delay analysis of traffic dispersion with Nakagami-m fading in millimeter-wave bands. , 2018, , .		7
136	An expanded network coding with finite buffer size information dissemination approach in social networks. , 2018, , .		0
137	Millimeter Wave Massive MIMO. , 2018, , 1-4.		1
138	Performance analysis of mobility prediction based proactive wireless caching. , 2018, , .		4
139	Low-Latency Heterogeneous Networks with Millimeter-Wave Communications. , 2018, 56, 124-129.		24
140	Sparsest Random Sampling for Cluster-Based Compressive Data Gathering in Wireless Sensor Networks. IEEE Access, 2018, 6, 36383-36394.	2.6	30
141	Omnidirectional Transmission for Massive MIMO. , 2018, , 1-4.		0
142	Omnidirectional Transmission for Massive MIMO. , 2018, , 1-4.		0
143	Low-Latency Communications with Millimeter Wave. , 2018, , 1-4.		0
144	Performance Analysis of Heterogeneous Networks With Interference Cancellation. IEEE Transactions on Vehicular Technology, 2017, 66, 6969-6981.	3.9	20

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145	On-Line Fountain Codes With Unequal Error Protection. IEEE Communications Letters, 2017, 21, 1225-1228.	2.5	18
146	Two-Layer Coding in Distributed Storage Systems With Partial Node Failure/Repair. IEEE Communications Letters, 2017, 21, 726-729.	2.5	10
147	Sparse Signal Aloha: A Compressive Sensing-Based Method for Uncoordinated Multiple Access. IEEE Communications Letters, 2017, 21, 1301-1304.	2.5	11
148	Proactive Cross-Channel Gain Estimation for Spectrum Sharing in Cognitive Radio Networks. , 2017, , .		1
149	Millimeter Wave Communications for Future Mobile Networks (Guest Editorial), Part I. IEEE Journal on Selected Areas in Communications, 2017, 35, 1425-1431.	9.7	24
150	Optimal secure partial-repair in distributed storage systems. , 2017, , .		0
151	Non-Orthogonal Multiple Access for Cooperative Multicast Millimeter Wave Wireless Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 1794-1808.	9.7	45
152	Optimal energy beamforming and data routing for immortal wireless sensor networks. , 2017, , .		7
153	Efficient network-coded relaying systems with energy harvesting and transferring. , 2017, , .		0
154	Minimum cost based clustering scheme for cooperative wireless caching network with heterogeneous file preference. , 2017, , .		7
155	Interference statistics of regular ring-structured networks with 60 GHz directional antennas. , 2017, , .		0
156	A Survey of Advanced Techniques for Spectrum Sharing in 5G Networks. IEEE Wireless Communications, 2017, 24, 44-51.	6.6	244
157	Modeling and Analysis of Non-Orthogonal MBMS Transmission in Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2221-2237.	9.7	31
158	Efficient Coded Cooperative Networks With Energy Harvesting and Transferring. IEEE Transactions on Wireless Communications, 2017, 16, 6335-6349.	6.1	17
159	Performance Analysis and Optimization in Downlink NOMA Systems With Cooperative Full-Duplex Relaying. IEEE Journal on Selected Areas in Communications, 2017, 35, 2398-2412.	9.7	231
160	Millimeter Wave Communications for Future Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 1909-1935.	9.7	797
161	Joint node deployment and wireless energy transfer scheduling for immortal sensor networks. , 2017, , .		4
162	Blockage robust millimeter-wave networks. Science China Information Sciences, 2017, 60, 1.	2.7	0

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163	Multuser Millimeter Wave Communications With Nonorthogonal Beams. IEEE Transactions on Vehicular Technology, 2017, 66, 5675-5688.	3.9	41
164	Cooperative Multi-Subarray Beam Training in Millimeter Wave Communication Systems. , 2017, , .		11
165	Recent development of error control codes for future communication and storage systems. China Communications, 2017, 14, iii-v.	2.0	4
166	Beam management for millimeter wave beamspace MU-MIMO systems. , 2017, , .		4
167	Performance analysis of uplink sparse code multiple access with iterative multiuser receiver. , 2017, , .		3
168	Outage Probability Analysis and Optimization in Downlink NOMA Systems with Cooperative Full-Duplex Relaying. , 2017, , .		0
169	Error Performance of Sparse Code Multiple Access Networks with Joint ML Detection. , 2016, , .		20
170	Delay and stability analysis of caching in heterogeneous cellular networks. , 2016, , .		6
171	Delay and Backlog Analysis for 60 GHz Wireless Networks. , 2016, , .		14
172	Centralized caching in two-layer networks: Algorithms and limits. , 2016, , .		8
173	Order-optimal caching in hierarchical networks. , 2016, , .		1
174	Energy-Efficient Cooperative Network Coding With Joint Relay Scheduling and Power Allocation. IEEE Transactions on Communications, 2016, 64, 4506-4519.	4.9	27
175	Spectrum Sensing and Throughput Analysis for Cognitive Two-Way Relay Networks With Multiple Transmit Powers. IEEE Journal on Selected Areas in Communications, 2016, 34, 3038-3047.	9.7	8
176	Proactive Cross-Channel Gain Estimation for Spectrum Sharing in Cognitive Radio. IEEE Journal on Selected Areas in Communications, 2016, 34, 2776-2790.	9.7	18
177	Lifetime maximization for sensor networks with wireless energy transfer. , 2016, , .		14
178	Full-Duplex Device-to-Device Aided Cooperative Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	222
179	Joint Multiuser Detection of Multidimensional Constellations over Fading Channels. IEEE Transactions on Communications, 2016, , 1-1.	4.9	56
180	Optimal cost repair in multi-hop distributed storage systems with network coding. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1539-1549.	2.6	2

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181	Flowing with the water: On optimal monitoring of water distribution networks by mobile sensors. , 2016, , .		11
182	A Commercial Video-Caching System for Small-Cell Cellular Networks Using Game Theory. IEEE Access, 2016, 4, 7519-7531.	2.6	49
183	On the energy efficiency in multi-user multi-relay coded network. , 2016, , .		0
184	Energy-efficient transmission with imperfect spectrum sensing in cognitive radio. , 2016, , .		2
185	Two-Timeslot Two-Way Full-Duplex Relaying for 5G Wireless Communication Networks. IEEE Transactions on Communications, 2016, 64, 2873-2887.	4.9	42
186	Efficient Scheduling and Power Allocation for D2D-Assisted Wireless Caching Networks. IEEE Transactions on Communications, 2016, 64, 2438-2452.	4.9	110
187	Improved Luby transform codes in low overhead regions for binary erasure channels. Transactions on Emerging Telecommunications Technologies, 2016, 27, 84-91.	2.6	3
188	Energy-Efficient Cognitive Transmission With Imperfect Spectrum Sensing. IEEE Journal on Selected Areas in Communications, 2016, 34, 1320-1335.	9.7	50
189	Full-Duplex Two-Way and One-Way Relaying: Average Rate, Outage Probability, and Tradeoffs. IEEE Transactions on Wireless Communications, 2016, 15, 3920-3933.	6.1	85
190	Repair for Distributed Storage Systems With Packet Erasure Channels and Dedicated Nodes for Repair. IEEE Transactions on Communications, 2016, 64, 1367-1383.	4.9	5
191	Scalable Capacity Bounding Models for Wireless Networks. IEEE Transactions on Information Theory, 2016, 62, 208-229.	1.5	4
192	Efficient Video Pricing and Caching in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8744-8751.	3.9	69
193	Secure partial repair in wireless caching networks with broadcast channels. , 2015, , .		4
194	Strong secrecy for interference channels from channel resolvability. , 2015, , .		2
195	Energy efficient monitoring of water distribution networks via compressive sensing. , 2015, , .		6
196	Secrecy degrees of freedom of wireless X networks using artificial noise alignment. , 2015, , .		0
197	Partial Repair for Wireless Caching Networks With Broadcast Channels. IEEE Wireless Communications Letters, 2015, 4, 145-148.	3.2	27
198	Secure Degrees of Freedom of Wireless X Networks Using Artificial Noise Alignment. IEEE Transactions on Communications, 2015, 63, 2632-2646.	4.9	22

#	ARTICLE	IF	CITATIONS
199	Performance Analysis of Antenna Selection in Two-Way Relay Networks. IEEE Transactions on Signal Processing, 2015, 63, 2520-2532.	3.2	45
200	Energy Efficient Sensor Activation for Water Distribution Networks Based on Compressive Sensing. IEEE Journal on Selected Areas in Communications, 2015, 33, 2997-3010.	9.7	46
201	Maximum Throughput Path Selection With Random Blockage for Indoor 60 GHz Relay Networks. IEEE Transactions on Communications, 2015, 63, 3511-3524.	4.9	54
202	Network Code Division Multiplexing for Wireless Relay Networks. IEEE Transactions on Wireless Communications, 2015, 14, 5736-5749.	6.1	5
203	Erasur Floor Analysis of Distributed LT Codes. IEEE Transactions on Communications, 2015, 63, 2788-2796.	4.9	8
204	One-bit soft forwarding for network coded uplink channels with multiple sources. , 2014, , .		0
205	Degrees of Freedom of Two-Hop MISO Broadcast Networks With Mixed CSIT. IEEE Transactions on Wireless Communications, 2014, 13, 6982-6995.	6.1	9
206	Performance Analysis of Antenna Selection in Two-Way Decode-and-Forward Relay Networks. , 2014, , .		5
207	Cooperation-Based Network Coding in Cognitive Radio Networks. , 2014, , .		3
208	Buffer-Based Distributed LT Codes. IEEE Transactions on Communications, 2014, 62, 3725-3739.	4.9	12
209	Exact optimized-cost repair in multi-hop distributed storage networks. , 2014, , .		5
210	Secrecy Degrees of Freedom of the $2 \times 2$ MISO Broadcast Network With Delayed CSIT. IEEE Wireless Communications Letters, 2014, 3, 341-344.	3.2	9
211	Threshold-Based One-Bit Soft Forwarding for a Network Coded Multi-Source Single-Relay System. IEEE Transactions on Communications, 2014, 62, 1604-1620.	4.9	4
212	Rateless Codes for the Multiway Relay Channel. IEEE Wireless Communications Letters, 2014, 3, 457-460.	3.2	5
213	Design of LT Codes with Equal and Unequal Erasure Protection over Binary Erasure Channels. IEEE Communications Letters, 2013, 17, 261-264.	2.5	33
214	Reduced-complexity decoding of LT codes over noisy channels. , 2013, , .		3
215	An extended packetization-aware mapping algorithm for scalable video coding in finite-length fountain codes. Science China Information Sciences, 2013, 56, 1-10.	2.7	6
216	Packet combining based on cross-packet coding. Science China Information Sciences, 2013, 56, 1-10.	2.7	1

#	ARTICLE	IF	CITATIONS
217	Degrees of Freedom of Multi-Hop MIMO Broadcast Networks with Delayed CSIT. IEEE Wireless Communications Letters, 2013, 2, 1-4.	3.2	9
218	Design of Binary Network Codes for Multiuser Multiway Relay Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3786-3799.	3.9	9
219	The two-hop MISO broadcast network with quantized delayed CSIT. , 2013, , .		1
220	Wireless Multicast Relay Networks with Limited-Rate Source-Conferencing. IEEE Journal on Selected Areas in Communications, 2013, 31, 1390-1401.	9.7	24
221	Design of spatially-coupled rateless codes. , 2012, , .		4
222	Short-message noisy network coding with partial source cooperation. , 2012, , .		6
223	Performance analysis of coded secondary relaying in overlay cognitive radio networks. , 2012, , .		8
224	Design of Network Codes for Multiple-User Multiple-Relay Wireless Networks. IEEE Transactions on Communications, 2012, 60, 3755-3766.	4.9	79
225	Unequal error protection of LT codes over noisy channels. , 2012, , .		14
226	Power allocation for multi-hop decode-and-forward cognitive radio networks with line topology. , 2012, , .		3
227	Cooperative communication in multi-source line networks. , 2012, , .		3
228	Full-Diversity Binary Frame-Wise Network Coding for Multiple-Source Multiple-Relay Networks Over Slow-Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1346-1360.	3.9	23
229	On network coding with finite channel state information. , 2011, , .		4
230	Network Coded LDPC Code Design for a Multi-Source Relaying System. IEEE Transactions on Wireless Communications, 2011, 10, 1538-1551.	6.1	31
231	Optimal power allocation in multi-hop cognitive radio networks. , 2011, , .		2
232	Advances in wireless network coding for IMT-Advanced & beyond. , 2011, , .		7
233	Optimal Symbol-by-Symbol Costa Precoding for a Relay-Aided Downlink Channel. IEEE Transactions on Communications, 2011, 59, 2274-2284.	4.9	1
234	Cooperative Network Coding Strategies for Wireless Relay Networks with Backhaul. IEEE Transactions on Communications, 2011, 59, 2502-2514.	4.9	27

#	ARTICLE	IF	CITATIONS
235	Cross-Layer Design of Rateless Random Network Codes for Delay Optimization. IEEE Transactions on Communications, 2011, 59, 3311-3322.	4.9	29
236	Diversity-Multiplexing Tradeoff Analysis of Coded Multi-User Relay Networks. IEEE Transactions on Communications, 2011, 59, 1995-2005.	4.9	24
237	Efficient Multiple Access Protocols for Coded Multi-Source Multi-Relay Networks. , 2011, , .		2
238	Error Floor Analysis of LT Codes over the Additive White Gaussian Noise Channel. , 2011, , .		67
239	Capacity Bounds for Backhaul-Supported Wireless Multicast Relay Networks with Cross-Links. , 2011, , .		2
240	Binary Field Network Coding Design for Multiple-Source Multiple-Relay Networks. , 2011, , .		6
241	Serially concatenated LT code with DQPSK modulation. , 2011, , .		8
242	Multiple-User Cooperative Communications Based on Linear Network Coding. IEEE Transactions on Communications, 2010, 58, 3345-3351.	4.9	147
243	Diversity-multiplexing tradeoff analysis of multi-source multi-relay coded networks. , 2010, , .		6
244	Design of network codes for multiple-user multiple-relay wireless networks. , 2009, , .		43
245	Optimal Decoding and Performance Analysis of a Noisy Channel Network with Network Coding. IEEE Transactions on Communications, 2009, 57, 1402-1412.	4.9	43
246	M-user cooperative wireless communications based on nonbinary network codes. , 2009, , .		31
247	On the Bit Error Probability of Noisy Channel Networks With Intermediate Node Encoding. IEEE Transactions on Information Theory, 2008, 54, 5188-5198.	1.5	11
248	On Analysis and Design of Low Density Generator Matrix Codes for Continuous Phase Modulation. IEEE Transactions on Wireless Communications, 2007, 6, 3440-3449.	6.1	14
249	A Binary Coding Approach for Combination Networks and General Erasure Networks. , 2007, , .		38
250	A Physical Layer Aspect of Network Coding with Statistically Independent Noisy Channels. , 2006, , .		10
251	On the error probability of a noisy channel network using network coding. , 2006, , .		2
252	Serially concatenated continuous phase modulation with convolutional codes over rings. IEEE Transactions on Communications, 2006, 54, 1387-1396.	4.9	46

#	ARTICLE	IF	CITATIONS
253	Serially concatenated continuous phase modulation with symbol interleavers: performance, properties and design principles. European Transactions on Telecommunications, 2006, 17, 439-449.	1.2	4
254	Rate-Adaptive CPM with Punctured LDGM Codes in Slow-Fading Channels. , 2006, , .		0
255	Energy-Efficient Network Coding for the Noisy Channel Network. , 2006, , .		9
256	Design of low density generator matrix codes for continuous phase modulation. , 2005, , .		4
257	Irregular repeat continuous phase modulation. IEEE Communications Letters, 2005, 9, 723-725.	2.5	22
258	Serially concatenated continuous phase modulation with symbol interleavers: performance, properties and design principles. , 0, , .		8
259	Serially concatenated continuous phase modulation with ring convolutional codes. , 0, , .		1