

# Geoffrey Li

## List of Publications by Year in descending order

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333  
papers

27,086  
citations

11639

70  
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6831

155  
g-index

333  
all docs

333  
docs citations

333  
times ranked

13203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for Beam Training in Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2024, , 1-1.	6.1	24
2	An Attention-Aided Deep Learning Framework for Massive MIMO Channel Estimation. IEEE Transactions on Wireless Communications, 2022, 21, 1823-1835.	6.1	28
3	Joint Optimization of Transmission and Computation Resources for Satellite and High Altitude Platform Assisted Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 1362-1377.	6.1	40
4	HF Skywave Massive MIMO Communication. IEEE Transactions on Wireless Communications, 2022, 21, 2769-2785.	6.1	14
5	Deep-Unfolding Beamforming for Intelligent Reflecting Surface Assisted Full-Duplex Systems. IEEE Transactions on Wireless Communications, 2022, 21, 4784-4800.	6.1	13
6	Deep Learning-Based Implicit CSI Feedback in Massive MIMO. IEEE Transactions on Communications, 2022, 70, 935-950.	4.9	21
7	Task-Oriented Multi-User Semantic Communications for VQA. IEEE Wireless Communications Letters, 2022, 11, 553-557.	3.2	55
8	Deep Learning-Based Channel Estimation for Massive MIMO With Hybrid Transceivers. IEEE Transactions on Wireless Communications, 2022, 21, 5162-5174.	6.1	12
9	Joint User Grouping, Sparse Beamforming, and Subcarrier Allocation for D2D Underlaid Cache-Enabled C-RANs With Rate Splitting. IEEE Transactions on Vehicular Technology, 2022, 71, 3792-3806.	3.9	5
10	Series Editorial The Fourth Issue of the Series on Machine Learning in Communications and Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 1-4.	9.7	0
11	Deep Learning LMMSE Joint Channel, PN, and IQ Imbalance Estimator for Multicarrier MIMO Full-Duplex Systems. IEEE Wireless Communications Letters, 2022, 11, 111-115.	3.2	11
12	Online Deep Neural Network for Optimization in Wireless Communications. IEEE Wireless Communications Letters, 2022, 11, 933-937.	3.2	9
13	Computing One-Bit Compressive Sensing via Double-Sparsity Constrained Optimization. IEEE Transactions on Signal Processing, 2022, 70, 1593-1608.	3.2	4
14	Joint MIMO Precoding and Computation Resource Allocation for Dual-Function Radar and Communication Systems With Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2022, 40, 2085-2102.	9.7	20
15	Decentralized Federated Learning With Unreliable Communications. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 487-500.	7.3	37
16	Unmanned-Surface-Vehicle-Aided Maritime Data Collection Using Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 19773-19786.	5.5	12
17	Hybrid Precoding for Mixture Use of Phase Shifters and Switches in mmWave Massive MIMO. IEEE Transactions on Communications, 2022, 70, 4121-4133.	4.9	3
18	Resource Allocation for Text Semantic Communications. IEEE Wireless Communications Letters, 2022, 11, 1394-1398.	3.2	31

#	ARTICLE	IF	CITATIONS
19	Deep Source-Channel Coding for Sentence Semantic Transmission With HARQ. IEEE Transactions on Communications, 2022, 70, 5225-5240.	4.9	37
20	The Fifth Issue of the Series on Machine Learning in Communications and Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 2251-2253.	9.7	0
21	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
22	On Spatial Multiplexing Using Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2021, 10, 226-230.	3.2	15
23	Deep Learning for Channel Estimation: Interpretation, Performance, and Comparison. IEEE Transactions on Wireless Communications, 2021, 20, 2398-2412.	6.1	73
24	Series Editorial: Inauguration Issue of the Series on Machine Learning in Communications and Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1-3.	9.7	3
25	Deep Learning Enabled Semantic Communication Systems. IEEE Transactions on Signal Processing, 2021, 69, 2663-2675.	3.2	296
26	Performance Analysis of Multi-Branch Reconfigurable Intelligent Surfaces-Assisted Optical Wireless Communication System in Environment With Obstacles. IEEE Transactions on Vehicular Technology, 2021, 70, 9986-10001.	3.9	30
27	Is NOMA Efficient in Multi-Antenna Networks? A Critical Look at Next Generation Multiple Access Techniques. IEEE Open Journal of the Communications Society, 2021, 2, 1310-1343.	4.4	102
28	Learning to Compute Ergodic Rate for Multi-Cell Scheduling in Massive MIMO. IEEE Transactions on Wireless Communications, 2021, 20, 785-797.	6.1	6
29	Optimal Fairness-Aware Resource Supply and Demand Management for Mobile Edge Computing. IEEE Wireless Communications Letters, 2021, 10, 678-682.	3.2	12
30	Graph Embedding-Based Wireless Link Scheduling With Few Training Samples. IEEE Transactions on Wireless Communications, 2021, 20, 2282-2294.	6.1	54
31	Wideband Beamforming for Hybrid Massive MIMO Terahertz Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 1725-1740.	9.7	60
32	Deep Learning Based Robust Precoder Design for Massive MIMO Downlink. , 2021, , .		2
33	Deep Multi-Stage CSI Acquisition for Reconfigurable Intelligent Surface Aided MIMO Systems. IEEE Communications Letters, 2021, 25, 2024-2028.	2.5	27
34	Acquisition of channel state information for mmWave massive MIMO: traditional and machine learning-based approaches. Science China Information Sciences, 2021, 64, 1.	2.7	29
35	Series Editorial: The Second Issue of the Series on Machine Learning in Communications and Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1855-1857.	9.7	1
36	Series Editorial: The Third Issue of the Series on Machine Learning in Communications and Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2267-2270.	9.7	0

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37	A Lightweight Deep Network for Efficient CSI Feedback in Massive MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 1840-1844.	3.2	22
38	Deep Learning Based End-to-End Wireless Communication Systems Without Pilots. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 702-714.	4.9	45
39	Joint Beamforming for Integrated Mmwave Satellite-Terrestrial Self-Backhauled Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9103-9117.	3.9	16
40	Dual CNN-Based Channel Estimation for MIMO-OFDM Systems. IEEE Transactions on Communications, 2021, 69, 5859-5872.	4.9	35
41	Joint TOA and DOA Estimation With CFO Compensation Using Large-Scale Array. IEEE Transactions on Signal Processing, 2021, 69, 4204-4218.	3.2	15
42	Deep Learning-Based Robust Precoding for Massive MIMO. IEEE Transactions on Communications, 2021, 69, 7429-7443.	4.9	22
43	Deep Learning-Based Phase Noise Compensation in Multicarrier Systems. IEEE Wireless Communications Letters, 2021, 10, 2110-2114.	3.2	14
44	AI-Aided Online Adaptive OFDM Receiver: Design and Experimental Results. IEEE Transactions on Wireless Communications, 2021, 20, 7655-7668.	6.1	22
45	Shallow Underwater Acoustic Massive MIMO Communications. IEEE Transactions on Signal Processing, 2021, 69, 1124-1139.	3.2	16
46	Asymmetrical Uplink and Downlink Transceivers in Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 11632-11647.	3.9	7
47	Phase Retrieval Using Expectation Consistent Signal Recovery Algorithm Based on Hypernetwork. IEEE Transactions on Signal Processing, 2021, 69, 5770-5783.	3.2	7
48	Massive MIMO Communication Over HF Skywave Channels. , 2021, , .		1
49	First 20 Years of Green Radios. IEEE Transactions on Green Communications and Networking, 2020, 4, 1-15.	3.5	29
50	Resource Management in LTE-U Systems: Past, Present, and Future. IEEE Open Journal of Vehicular Technology, 2020, 1, 1-17.	3.4	14
51	Two-Step Codeword Design for Millimeter Wave Massive MIMO Systems With Quantized Phase Shifters. IEEE Transactions on Signal Processing, 2020, 68, 170-180.	3.2	52
52	20 Years of Evolution From Cognitive to Intelligent Communications. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 6-20.	4.9	73
53	Deep-Learning-Based Wireless Resource Allocation With Application to Vehicular Networks. Proceedings of the IEEE, 2020, 108, 341-356.	16.4	164
54	Learning to Branch: Accelerating Resource Allocation in Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 958-970.	3.9	39

#	ARTICLE	IF	CITATIONS
55	Framework on Deep Learning-Based Joint Hybrid Processing for mmWave Massive MIMO Systems. IEEE Access, 2020, 8, 106023-106035.	2.6	20
56	Deep Learning and Compressive Sensing-Based CSI Feedback in FDD Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 9217-9222.	3.9	54
57	Model-Driven DNN Decoder for Turbo Codes: Design, Simulation, and Experimental Results. IEEE Transactions on Communications, 2020, 68, 6127-6140.	4.9	11
58	Bilinear Convolutional Auto-encoder based Pilot-free End-to-end Communication Systems. , 2020, , .		5
59	Compression and Acceleration of Neural Networks for Communications. IEEE Wireless Communications, 2020, 27, 110-117.	6.6	40
60	Low-Complexity Multicast Beamforming for Millimeter Wave Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 12317-12320.	3.9	5
61	Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. IEEE Transactions on Vehicular Technology, 2020, 69, 6541-6553.	3.9	16
62	Hierarchical Codebook-Based Multiuser Beam Training for Millimeter Wave Massive MIMO. IEEE Transactions on Wireless Communications, 2020, 19, 8142-8152.	6.1	43
63	Symbiotic Radio: Cognitive Backscattering Communications for Future Wireless Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1242-1255.	4.9	136
64	AnciNet: An Efficient Deep Learning Approach for Feedback Compression of Estimated CSI in Massive MIMO Systems. IEEE Wireless Communications Letters, 2020, 9, 2192-2196.	3.2	26
65	Reinforcement Learning Based Cooperative Coded Caching Under Dynamic Popularities in Ultra-Dense Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5442-5456.	3.9	20
66	A Model-Driven Deep Learning Method for Massive MIMO Detection. IEEE Communications Letters, 2020, 24, 1724-1728.	2.5	46
67	Deep Learning-Based Denoise Network for CSI Feedback in FDD Massive MIMO Systems. IEEE Communications Letters, 2020, 24, 1742-1746.	2.5	54
68	Model-Driven Deep Learning for Massive MU-MIMO With Finite-Alphabet Precoding. IEEE Communications Letters, 2020, 24, 2216-2220.	2.5	13
69	High-Resolution Channel Estimation for Frequency-Selective mmWave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 3517-3529.	6.1	32
70	Pathway to Intelligent Radio. IEEE Wireless Communications, 2020, 27, 9-15.	6.6	10
71	User Association for Millimeter-Wave Networks: A Machine Learning Approach. IEEE Transactions on Communications, 2020, 68, 4162-4174.	4.9	30
72	Low-Complexity Joint Resource Allocation and Trajectory Design for UAV-Aided Relay Networks With the Segmented Ray-Tracing Channel Model. IEEE Transactions on Wireless Communications, 2020, 19, 6179-6195.	6.1	30

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73	Deep Learning-Based End-to-End Wireless Communication Systems With Conditional GANs as Unknown Channels. IEEE Transactions on Wireless Communications, 2020, 19, 3133-3143.	6.1	203
74	Model-Driven Deep Learning for MIMO Detection. IEEE Transactions on Signal Processing, 2020, 68, 1702-1715.	3.2	204
75	Machine Learning for Beam Alignment in Millimeter Wave Massive MIMO. IEEE Wireless Communications Letters, 2020, 9, 875-878.	3.2	48
76	Convolutional Neural Network-Based Multiple-Rate Compressive Sensing for Massive MIMO CSI Feedback: Design, Simulation, and Analysis. IEEE Transactions on Wireless Communications, 2020, 19, 2827-2840.	6.1	163
77	IEEE TCCN Special Section Editorial: Evolution of Cognitive Radio to AI-Enabled Radio and Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1-5.	4.9	2
78	Learn to Compress CSI and Allocate Resources in Vehicular Networks. IEEE Transactions on Communications, 2020, 68, 3640-3653.	4.9	32
79	Reconfigurable Intelligent Surfaces for Wireless Communications: Principles, Challenges, and Opportunities. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 990-1002.	4.9	389
80	Resource Management for Millimeter-Wave Ultra-Reliable and Low-Latency Communications. IEEE Transactions on Communications, 2020, , 1-1.	4.9	18
81	Computation-Aided Adaptive Codebook Design for Millimeter Wave Massive MIMO. , 2020, , .		2
82	Right Tail Approximation for the Distribution of Lognormal Sum and Its Applications. , 2020, , .		2
83	Deep Over-the-Air Computation. , 2020, , .		7
84	A Machine Learning Approach for Hierarchical Localization Based on Multipath MIMO Fingerprints. IEEE Communications Letters, 2019, 23, 1765-1768.	2.5	18
85	Deep Learning-Based Downlink Channel Prediction for FDD Massive MIMO System. IEEE Communications Letters, 2019, 23, 1994-1998.	2.5	122
86	User Association for Ultra-Dense mmWave Networks With Multi-Connectivity: A Multi-Label Classification Approach. IEEE Wireless Communications Letters, 2019, 8, 1579-1582.	3.2	18
87	Resource Allocation for Vehicular Communications With Low Latency and High Reliability. IEEE Transactions on Wireless Communications, 2019, 18, 3887-3902.	6.1	53
88	Deep CNN-Based Channel Estimation for mmWave Massive MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 989-1000.	7.3	215
89	Agglomerative User Clustering and Cluster Scheduling for FDD Massive MIMO Systems. IEEE Access, 2019, 7, 86522-86533.	2.6	9
90	Resource Allocation for High-Reliability Low-Latency Vehicular Communications With Packet Retransmission. IEEE Transactions on Vehicular Technology, 2019, 68, 6219-6230.	3.9	32

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91	Performance Analysis of Clustered LoRa Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7616-7629.	3.9	22
92	Joint User Association and Resource Allocation for Multi-Band Millimeter-Wave Heterogeneous Networks. IEEE Transactions on Communications, 2019, 67, 8502-8516.	4.9	30
93	Beam Squint and Channel Estimation for Wideband mmWave Massive MIMO-OFDM Systems. IEEE Transactions on Signal Processing, 2019, 67, 5893-5908.	3.2	90
94	Spectrum Sharing in Vehicular Networks Based on Multi-Agent Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2282-2292.	9.7	282
95	Deep Learning Based Channel Estimation for Massive MIMO With Mixed-Resolution ADCs. IEEE Communications Letters, 2019, 23, 1989-1993.	2.5	65
96	Noncoherent Frequency Shift Keying for Ambient Backscatter Over OFDM Signals. , 2019, , .		5
97	Fingerprint-Based Localization for Massive MIMO-OFDM System With Deep Convolutional Neural Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 10846-10857.	3.9	48
98	Circular Convolutional Auto-Encoder for Channel Coding. , 2019, , .		20
99	Power Leakage Elimination for Wideband mmWave Massive MIMO-OFDM Systems: An Energy-Focusing Window Approach. IEEE Transactions on Signal Processing, 2019, 67, 5479-5494.	3.2	4
100	Model-Driven Deep Learning for Physical Layer Communications. IEEE Wireless Communications, 2019, 26, 77-83.	6.6	271
101	Artificial Intelligence-Aided Receiver for a CP-Free OFDM System: Design, Simulation, and Experimental Test. IEEE Access, 2019, 7, 58901-58914.	2.6	34
102	Joint Power Allocation and User Scheduling for Device-to-Device-Enabled Heterogeneous Networks With Non-Orthogonal Multiple Access. IEEE Access, 2019, 7, 62657-62671.	2.6	28
103	Deep Learning Based on Orthogonal Approximate Message Passing for CP-Free OFDM. , 2019, , .		19
104	Deep CNN for Wideband Mmwave Massive MIMO Channel Estimation Using Frequency Correlation. , 2019, , .		32
105	A Framework on Hybrid MIMO Transceiver Design Based on Matrix-Monotonic Optimization. IEEE Transactions on Signal Processing, 2019, 67, 3531-3546.	3.2	37
106	Coexistence of Direct and Relayed Transmission Users in Multi-Cell Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 3728-3746.	3.9	2
107	Multiple Access for Mobile-UAV Enabled Networks: Joint Trajectory Design and Resource Allocation. IEEE Transactions on Communications, 2019, 67, 4980-4994.	4.9	71
108	Collaborative Cloud and Edge Computing for Latency Minimization. IEEE Transactions on Vehicular Technology, 2019, 68, 5031-5044.	3.9	419

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109	Deep Reinforcement Learning Based Resource Allocation for V2V Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 3163-3173.	3.9	486
110	Frequency Synchronization for Uplink Massive MIMO With Adaptive MUI Suppression in Angle Domain. IEEE Transactions on Signal Processing, 2019, 67, 2143-2158.	3.2	13
111	Deep Learning in Physical Layer Communications. IEEE Wireless Communications, 2019, 26, 93-99.	6.6	399
112	Resource Allocation for V2X Communications: A Large Deviation Theory Perspective. IEEE Wireless Communications Letters, 2019, 8, 1108-1111.	3.2	15
113	Ultra-Low Power Wake-up Radio for 5G IoT. IEEE Communications Magazine, 2019, 57, 111-117.	4.9	49
114	Rethinking Outage Constraints for Resource Management in NOMA Networks. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 423-435.	7.3	13
115	Noncoherent Backscatter Communications Over Ambient OFDM Signals. IEEE Transactions on Communications, 2019, 67, 3597-3611.	4.9	55
116	Resource Allocation for Low-Latency Vehicular Communications: An Effective Capacity Perspective. IEEE Journal on Selected Areas in Communications, 2019, 37, 905-917.	9.7	95
117	TCM-NOMA: Joint Multi-User Codeword Design and Detection in Trellis-Coded Modulation-Based NOMA for Beyond 5G. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 766-780.	7.3	9
118	UAV Communications Based on Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2019, 26, 52-57.	6.6	198
119	Simultaneous Multiuser Beam Training Using Adaptive Hierarchical Codebook for mmWave Massive MIMO. , 2019, , .		6
120	A Novel Quantization Method for Deep Learning-Based Massive MIMO CSI Feedback. , 2019, , .		17
121	Noncoherent MIMO Codes Construction Using Autoencoders. , 2019, , .		2
122	Deep Convolutional Neural Networks Enabled Fingerprint Localization for Massive MIMO-OFDM System. , 2019, , .		1
123	D2D-Enabled Mobile User Edge Caching: A Multi-Winner Auction Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 12314-12328.	3.9	45
124	Joint Communication and Computation Resource Allocation for Cloud-Edge Collaborative System. , 2019, , .		15
125	Beam Training and Allocation for Multiuser Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1041-1053.	6.1	48
126	Joint Offloading and Trajectory Design for UAV-Enabled Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 1879-1892.	5.5	308



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127	Energy Efficient V2X-Enabled Communications in Cellular Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 554-564.	3.9	35
128	Performance Analysis of Multi-Cell Millimeter-Wave Massive MIMO Networks With Low-Precision ADCs. IEEE Transactions on Communications, 2019, 67, 302-317.	4.9	25
129	Ultra-Dense LEO: Integrating Terrestrial-Satellite Networks Into 5G and Beyond for Data Offloading. IEEE Transactions on Wireless Communications, 2019, 18, 47-62.	6.1	174
130	Toward Intelligent Vehicular Networks: A Machine Learning Framework. IEEE Internet of Things Journal, 2019, 6, 124-135.	5.5	181
131	Deep Learning-Based CSI Feedback Approach for Time-Varying Massive MIMO Channels. IEEE Wireless Communications Letters, 2019, 8, 416-419.	3.2	227
132	Energy Efficiency of Distributed Antenna Systems With Wireless Power Transfer. IEEE Journal on Selected Areas in Communications, 2019, 37, 89-99.	9.7	25
133	Vehicular Communications: A Network Layer Perspective. IEEE Transactions on Vehicular Technology, 2019, 68, 1064-1078.	3.9	204
134	Joint Beamforming and Jamming Design for mmWave Information Surveillance Systems. IEEE Journal on Selected Areas in Communications, 2018, 36, 1410-1425.	9.7	31
135	Spatial Reuse for Coexisting LTE and Wi-Fi Systems in Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2018, 17, 1187-1198.	6.1	18
136	Performance Analysis of Multiuser Massive MIMO With Spatially Correlated Channels Using Low-Precision ADC. IEEE Communications Letters, 2018, 22, 205-208.	2.5	30
137	Power of Deep Learning for Channel Estimation and Signal Detection in OFDM Systems. IEEE Wireless Communications Letters, 2018, 7, 114-117.	3.2	1,230
138	Resource Allocation in Reverse TDD Wireless Backhaul HetNets With 3D Massive Antennas. IEEE Wireless Communications Letters, 2018, 7, 30-33.	3.2	11
139	Deep Learning-Based Channel Estimation for Beamspace mmWave Massive MIMO Systems. IEEE Wireless Communications Letters, 2018, 7, 852-855.	3.2	474
140	Spatial- and Frequency-Wideband Effects in Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Signal Processing, 2018, 66, 3393-3406.	3.2	327
141	Sparse Representation for Wireless Communications: A Compressive Sensing Approach. IEEE Signal Processing Magazine, 2018, 35, 40-58.	4.6	169
142	Graph-Based Resource Sharing in Vehicular Communication. IEEE Transactions on Wireless Communications, 2018, 17, 4579-4592.	6.1	120
143	Single-Site Localization Based on a New Type of Fingerprint for Massive MIMO-OFDM Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 6134-6145.	3.9	60
144	Key Technology for 5G New Radio. IEEE Communications Magazine, 2018, 56, 10-11.	4.9	16

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145	Modulation and Multiple Access for 5G Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 629-646.	24.8	348
146	Graph-Based Path Selection and Power Allocation for DF Relay-Aided Transmission. IEEE Wireless Communications Letters, 2018, 7, 138-141.	3.2	3
147	Performance Analysis of Indoor THz Communications with One-Bit Precoding. , 2018, , .		11
148	Fundamental EE Tradeoff in LTE-U Based Small Cell Systems. , 2018, , .		1
149	Joint Trajectory Design and Power Allocation for UAV-Enabled Non-Orthogonal Multiple Access Systems. , 2018, , .		10
150	A Stackelberg Game Approach to Large-Scale Edge Caching. , 2018, , .		1
151	Machine Learning Prediction Based CSI Acquisition for FDD Massive MIMO Downlink. , 2018, , .		36
152	Resource Allocation for Cooperative D2D-Enabled Wireless Caching Networks. , 2018, , .		1
153	A Model-Driven Deep Learning Network for MIMO Detection. , 2018, , .		179
154	Channel Agnostic End-to-End Learning Based Communication Systems with Conditional GAN. , 2018, , .		155
155	Energy Efficient Beamforming and Polarization Reception for Massive MIMO Enabled SWIPT Systems. , 2018, , .		1
156	Data Offloading in Ultra-Dense LEO-Based Integrated Terrestrial-Satellite Networks. , 2018, , .		9
157	Energy Efficiency in LTE-U Based Small Cell Systems. IEEE Access, 2018, 6, 64050-64062.	2.6	2
158	ComNet: Combination of Deep Learning and Expert Knowledge in OFDM Receivers. IEEE Communications Letters, 2018, 22, 2627-2630.	2.5	177
159	Deep Reinforcement Learning based Distributed Resource Allocation for V2V Broadcasting. , 2018, , .		18
160	Machine Learning for Vehicular Networks: Recent Advances and Application Examples. IEEE Vehicular Technology Magazine, 2018, 13, 94-101.	2.8	223
161	Game Theory for Big Data Processing: Multileader Multifollower Game-Based ADMM. IEEE Transactions on Signal Processing, 2018, 66, 3933-3945.	3.2	16
162	Joint Trajectory and User Scheduling Optimization for Dual-UAV Enabled Secure Communications. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
163	Caching Performance of Information Centric Networking with Content Request Aggregation. , 2018, , .		3
164	Spatial-Wideband Effect in Massive MIMO with Application in mmWave Systems. IEEE Communications Magazine, 2018, 56, 134-141.	4.9	112
165	Graph-Based Radio Resource Management for Vehicular Networks. , 2018, , .		22
166	Deep Reinforcement Learning for Resource Allocation in V2V Communications. , 2018, , .		113
167	Dual-UAV-Enabled Secure Communications: Joint Trajectory Design and User Scheduling. IEEE Journal on Selected Areas in Communications, 2018, 36, 1972-1985.	9.7	159
168	Deep Neural Networks for Linear Sum Assignment Problems. IEEE Wireless Communications Letters, 2018, 7, 962-965.	3.2	57
169	A Stackelberg Game Approach to Proactive Caching in Large-Scale Mobile Edge Networks. IEEE Transactions on Wireless Communications, 2018, 17, 5198-5211.	6.1	57
170	Results on Energy- and Spectral-Efficiency Tradeoff in Cellular Networks With Full-Duplex Enabled Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 1494-1507.	6.1	31
171	Quantization and Feedback of Spatial Covariance Matrix for Massive MIMO Systems With Cascaded Precoding. IEEE Transactions on Communications, 2017, 65, 1623-1634.	4.9	12
172	Faster-Than-Nyquist Signaling: An Overview. IEEE Access, 2017, 5, 1925-1940.	2.6	108
173	D2D Enabled Cooperation in Massive MIMO Systems With Cascaded Precoding. IEEE Wireless Communications Letters, 2017, 6, 238-241.	3.2	6
174	Resource Allocation for D2D-Enabled Vehicular Communications. IEEE Transactions on Communications, 2017, 65, 3186-3197.	4.9	278
175	Spectrum and Power Allocation for Vehicular Communications With Delayed CSI Feedback. IEEE Wireless Communications Letters, 2017, 6, 458-461.	3.2	125
176	Energy-Efficient D2D Overlaying Communications With Spectrum-Power Trading. IEEE Transactions on Wireless Communications, 2017, 16, 4404-4419.	6.1	68
177	Joint Transceiver Design for Secure Downlink Communications Over an Amplify-and-Forward MIMO Relay. IEEE Transactions on Communications, 2017, 65, 3691-3704.	4.9	25
178	Full-Duplex Cellular Networks. , 2017, 55, 184-191.		60
179	Ultra-Dense Heterogeneous Networks with Full-Duplex Small Cell Base Stations. IEEE Network, 2017, 31, 108-114.	4.9	18
180	A New View of Multi-User Hybrid Massive MIMO: Non-Orthogonal Angle Division Multiple Access. IEEE Journal on Selected Areas in Communications, 2017, 35, 2268-2280.	9.7	108

#	ARTICLE	IF	CITATIONS
181	Non-Orthogonal Multiple Access for High-Reliable and Low-Latency V2X Communications in 5G Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 2383-2397.	9.7	127
182	Robust Resource Allocation in Full-Duplex-Enabled OFDMA Femtocell Networks. IEEE Transactions on Wireless Communications, 2017, 16, 6382-6394.	6.1	28
183	Energy-efficient relay placement and power allocation for two-hop D2D relay networks. , 2017, , .		6
184	Hypergraph Theory: Applications in 5G Heterogeneous Ultra-Dense Networks. , 2017, 55, 70-76.		40
185	Subarray-Based Coordinated Beamforming Training for mmWave and Sub-THz Communications. IEEE Journal on Selected Areas in Communications, 2017, 35, 2115-2126.	9.7	83
186	Joint 3D Beamforming and Resource Allocation for Small Cell Wireless Backhaul in HetNets. IEEE Communications Letters, 2017, 21, 2286-2289.	2.5	9
187	Meeting different QoS requirements of vehicular networks: A D2D-based approach. , 2017, , .		6
188	BDMA for Millimeter-Wave/Terahertz Massive MIMO Transmission With Per-Beam Synchronization. IEEE Journal on Selected Areas in Communications, 2017, 35, 1550-1563.	9.7	119
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