Feifei Gao

List of Publications by Year
in descending order

236 papers	10,431 citations	26630 56 h-index	38395 95 g-index
236 all docs	236 docs citations	236 times ranked	5857 citing authors

#	Article	IF	Citations
1	Joint Constellation Design and Multiuser Detection for Grant-Free NOMA. IEEE Transactions on Wireless Communications, 2022, 21, 1973-1988.	9.2	4
2	Outage Analysis of Reconfigurable Intelligent Surface Aided MIMO Communications With Statistical CSI. IEEE Transactions on Wireless Communications, 2022, 21, 823-839.	9.2	20
3	Trajectory Design and Access Control for Air–Ground Coordinated Communications System With Multiagent Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 5785-5798.	8.7	30
4	Tensor-Based Information Monitoring Receiver in UAV-Aided MIMO Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 155-159.	5.0	2
5	Analysis on the Number of Linear Regions of Piecewise Linear Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 644-653.	11.3	9
6	Resilient UAV Swarm Communications With Graph Convolutional Neural Network. IEEE Journal on Selected Areas in Communications, 2022, 40, 393-411.	14.0	14
7	A Joint Optimization Framework for IRS-Assisted Energy Self-Sustainable IoT Networks. IEEE Internet of Things Journal, 2022, 9, 13767-13779.	8.7	10
8	Deep Unsupervised Learning for Joint Antenna Selection and Hybrid Beamforming. IEEE Transactions on Communications, 2022, 70, 1697-1710.	7.8	19
9	Online Utility Optimization in Multi-User Interference Networks Under a Long-Term Budget Constraint. IEEE Transactions on Vehicular Technology, 2022, 71, 11033-11046.	6.3	2
10	Sparse Bayesian Learning Based Channel Extrapolation for RIS Assisted MIMO-OFDM. IEEE Transactions on Communications, 2022, 70, 5498-5513.	7.8	11
11	Packet Routing in Dynamic Multi-Hop UAV Relay Network: A Multi-Agent Learning Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 10059-10072.	6.3	15
12	Dynamic Neural Network for MIMO Detection. IEEE Journal on Selected Areas in Communications, 2022, 40, 2254-2266.	14.0	3
13	Cluster-Based Joint Resource Allocation with Successive Interference Cancellation for Ultra-Dense Networks. Mobile Networks and Applications, 2021, 26, 1233-1242.	3.3	7
14	Angular Domain Channel Estimation for mmWave Massive MIMO With One-Bit ADCs/DACs. IEEE Transactions on Wireless Communications, 2021, 20, 969-982.	9.2	14
15	Deep Learning for Channel Estimation: Interpretation, Performance, and Comparison. IEEE Transactions on Wireless Communications, 2021, 20, 2398-2412.	9.2	73
16	Deep Multimodal Learning: Merging Sensory Data for Massive MIMO Channel Prediction. IEEE Journal on Selected Areas in Communications, 2021, 39, 1885-1898.	14.0	22
17	Hierarchical Deep Reinforcement Learning for Backscattering Data Collection With Multiple UAVs. IEEE Internet of Things Journal, 2021, 8, 3786-3800.	8.7	61
18	A New Path Division Multiple Access for the Massive MIMO-OTFS Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 903-918.	14.0	69

#	Article	IF	Citations
19	Deep Learning-Based Antenna Selection and CSI Extrapolation in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2021, 20, 7669-7681.	9.2	21
20	Gridless Compressed Sensing Based Channel Estimation for UAV Wideband Communications With Beam Squint. IEEE Transactions on Vehicular Technology, 2021, 70, 10265-10277.	6.3	12
21	Deep Learning-Based RIS Channel Extrapolation With Element-Grouping. IEEE Wireless Communications Letters, 2021, 10, 2644-2648.	5.0	16
22	Deep Learning Based Channel Extrapolation for Large-Scale Antenna Systems: Opportunities, Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 160-167.	9.0	12
23	Model Aided Deep Learning Based MIMO OFDM Receiver With Nonlinear Power Amplifiers. , 2021, , .		7
24	Distributionally Robust Chance-Constrained Backscatter Communication-Assisted Computation Offloading in WBANs. IEEE Transactions on Communications, 2021, 69, 3395-3408.	7.8	10
25	Joint Interference Alignment and Power Control for Dense Networks via Deep Reinforcement Learning. IEEE Wireless Communications Letters, 2021, 10, 966-970.	5.0	36
26	Wideband Beamforming for Hybrid Massive MIMO Terahertz Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 1725-1740.	14.0	60
27	Sensory Data Assisted Downlink Channel Prediction for Massive MIMO. , 2021, , .		0
28	Three-Dimensional Area Coverage with UAV Swarm based on Deep Reinforcement Learning. , 2021, , .		2
29	Air-Ground Coordination Communication by Multi-Agent Deep Reinforcement Learning. , 2021, , .		0
30	Terahertz Massive MIMO With Holographic Reconfigurable Intelligent Surfaces. IEEE Transactions on Communications, 2021, 69, 4732-4750.	7.8	122
31	Model-Driven Deep Learning Based Channel Estimation and Feedback for Millimeter-Wave Massive Hybrid MIMO Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 2388-2406.	14.0	57
32	Deep Learning Based Power Optimizing for NOMA Based Relay Aided D2D Transmissions. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 917-928.	7.9	20
33	Cascaded Channel Estimation for RIS Assisted mmWave MIMO Transmissions. IEEE Wireless Communications Letters, 2021, 10, 2065-2069.	5.0	38
34	Deep Reinforcement Learning Based Three-Dimensional Area Coverage With UAV Swarm. IEEE Journal on Selected Areas in Communications, 2021, 39, 3160-3176.	14.0	31
35	FusionNet: Enhanced Beam Prediction for mmWave Communications Using Sub-6 GHz Channel and a Few Pilots. IEEE Transactions on Communications, 2021, 69, 8488-8500.	7.8	15
36	Deep Learning Based Channel Covariance Matrix Estimation With User Location and Scene Images. IEEE Transactions on Communications, 2021, 69, 8145-8158.	7.8	16

#	Article	IF	Citations
37	Deep Learning Optimized Sparse Antenna Activation for Reconfigurable Intelligent Surface Assisted Communication. IEEE Transactions on Communications, 2021, 69, 6691-6705.	7.8	53
38	Semi-Distributed Resource Management in UAV-Aided MEC Systems: A Multi-Agent Federated Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 13162-13173.	6.3	60
39	Deep Learning Based Channel Covariance Matrix Estimation with Scene Images. , 2021, , .		3
40	Deep Learning based Antenna Selection and CSI Extrapolation in Massive MIMO Systems. , 2021, , .		1
41	Tensor-Based Joint Channel Estimation and Symbol Detection for Time-Varying mmWave Massive MIMO Systems. IEEE Transactions on Signal Processing, 2021, 69, 6251-6266.	5.3	21
42	Deep Learning-Based Image Semantic Coding for Semantic Communications. , 2021, , .		36
43	Model-Aided Deep Neural Network for Source Number Detection. IEEE Signal Processing Letters, 2020, 27, 91-95.	3.6	32
44	A Block Sparsity Based Estimator for mmWave Massive MIMO Channels With Beam Squint. IEEE Transactions on Signal Processing, 2020, 68, 49-64.	5.3	47
45	Deep Transfer Learning-Based Downlink Channel Prediction for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7485-7497.	7.8	92
46	3D Scene-Based Beam Selection for mmWave Communications. IEEE Wireless Communications Letters, 2020, 9, 1850-1854.	5.0	44
47	High Mobility Channel Parameter Acquisition over Massive MIMO System. , 2020, , .		0
48	High-Mobility Massive MIMO With Beamforming Network Optimization: Doppler Spread Analysis and Scaling Law. IEEE Journal on Selected Areas in Communications, 2020, 38, 2889-2902.	14.0	14
49	UAV-Enabled Secure Communications by Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 11599-11611.	6.3	121
50	3D UAV Trajectory Design and Frequency Band Allocation for Energy-Efficient and Fair Communication: A Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 7796-7809.	9.2	130
51	Time-Varying Downlink Channel Tracking for Quantized Massive MIMO Networks. IEEE Transactions on Wireless Communications, 2020, 19, 6721-6736.	9.2	8
52	Frequency synchronisation for massive MIMO: a survey. IET Communications, 2020, 14, 2639-2645.	2.2	3
53	A Model-Driven Deep Learning Method for Massive MIMO Detection. IEEE Communications Letters, 2020, 24, 1724-1728.	4.1	46
54	Deep Learning-Based Denoise Network for CSI Feedback in FDD Massive MIMO Systems. IEEE Communications Letters, 2020, 24, 1742-1746.	4.1	54

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55	Uplink-Aided High Mobility Downlink Channel Estimation Over Massive MIMO-OTFS System. IEEE Journal on Selected Areas in Communications, 2020, 38, 1994-2009.	14.0	98
56	Energy-Focusing Window Based Power Leakage Elimination for Wideband mmWave Massive MIMO -OFDM Systems. , 2020, , .		1
57	Packet Routing Against Network Congestion: A Deep Multi-agent Reinforcement Learning Approach. , 2020, , .		12
58	Efficient Deployment with Geometric Analysis for mmWave UAV Communications. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	41
59	Multi-Agent Deep Reinforcement Learning for Secure UAV Communications. , 2020, , .		20
60	Graph Neural Network-Based Channel Tracking for Massive MIMO Networks. IEEE Communications Letters, 2020, 24, 1747-1751.	4.1	23
61	Deep Learning Based Antenna Selection for Channel Extrapolation in FDD Massive MIMO. , 2020, , .		15
62	A Cluster-Based Interference Management with Successive Cancellation for UDNs. EAI/Springer Innovations in Communication and Computing, 2020, , 45-58.	1.1	0
63	Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. IEEE Transactions on Vehicular Technology, 2020, 69, 16294-16298.	6.3	2
64	Performance of Joint Sensing-Communication Cooperative Sensing UAV Network. IEEE Transactions on Vehicular Technology, 2020, 69, 15545-15556.	6.3	48
65	Distributionally Robust Chance-Constrained Optimization for Communication and Offloading in WBANs. , 2020, , .		0
66	IoT Communications With <inline-formula> <tex-math notation="LaTeX">M </tex-math> </inline-formula>-PSK Modulated Ambient Backscatter: Algorithm, Analysis, and Implementation. IEEE Internet of Things Journal, 2019, 6, 844-855.	8.7	67
67	Sparse Bayesian Learning for the Time-Varying Massive MIMO Channels: Acquisition and Tracking. IEEE Transactions on Communications, 2019, 67, 1925-1938.	7.8	130
68	Channel Estimation and Self-Positioning for UAV Swarm. IEEE Transactions on Communications, 2019, 67, 7994-8007.	7.8	16
69	Deep Learning-Based Downlink Channel Prediction for FDD Massive MIMO System. IEEE Communications Letters, 2019, 23, 1994-1998.	4.1	122
70	Beamforming Network Optimization for Reducing Channel Time Variation in High-Mobility Massive MIMO. IEEE Transactions on Communications, 2019, 67, 6781-6795.	7.8	21
71	Index Detection Based Channel Estimation for Hybrid Massive MIMO MmWave Systems. , 2019, , .		0
72	An Overview of Enhanced Massive MIMO With Array Signal Processing Techniques. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 886-901.	10.8	104

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73	A Survey of Across Social Networks User Identification. IEEE Access, 2019, 7, 137472-137488.	4.2	15
74	Beam Squint and Channel Estimation for Wideband mmWave Massive MIMO-OFDM Systems. IEEE Transactions on Signal Processing, 2019, 67, 5893-5908.	5.3	90
75	A Block Sparsity Based Channel Estimation Technique for mmWave Massive MIMO with Beam Squint Effect. , 2019, , .		4
76	A Robust Design for Ultra Reliable Ambient Backscatter Communication Systems. IEEE Internet of Things Journal, 2019, 6, 8989-8999.	8.7	24
77	Power Leakage Elimination for Wideband mmWave Massive MIMO-OFDM Systems: An Energy-Focusing Window Approach. IEEE Transactions on Signal Processing, 2019, 67, 5479-5494.	5.3	4
78	On the Uplink Achievable Rate of Massive MIMO System with Low-Resolution ADC and RF Impairments. IEEE Communications Letters, 2019, 23, 502-505.	4.1	43
79	Model-Driven Deep Learning for Physical Layer Communications. IEEE Wireless Communications, 2019, 26, 77-83.	9.0	271
80	Angle-Domain Aided UL/DL Channel Estimation for Wideband mmWave Massive MIMO Systems With Beam Squint. IEEE Transactions on Wireless Communications, 2019, 18, 3515-3527.	9.2	44
81	Robust Simultaneous Wireless Information and Power Transfer in Beamspace Massive MIMO. IEEE Transactions on Wireless Communications, 2019, 18, 4199-4212.	9.2	10
82	Achievable Rate and Capacity Analysis for Ambient Backscatter Communications. IEEE Transactions on Communications, 2019, 67, 6299-6310.	7.8	21
83	A User Identification Algorithm Based on User Behavior Analysis in Social Networks. IEEE Access, 2019, 7, 47114-47123.	4.2	27
84	Completion Time Minimization With Path Planning for Fixed-Wing UAV Communications. IEEE Transactions on Wireless Communications, 2019, 18, 3485-3499.	9.2	70
85	Secure Communications for Multi-Tag Backscatter Systems. IEEE Wireless Communications Letters, 2019, 8, 1146-1149.	5.0	40
86	A Joint Optimization Framework for Energy Harvesting Based Cooperative CR Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 452-462.	7.9	20
87	High-Mobility Wideband Massive MIMO Communications: Doppler Compensation, Analysis and Scaling Laws. IEEE Transactions on Wireless Communications, 2019, 18, 3177-3191.	9.2	48
88	Time- and Power-Splitting Strategies for Ambient Backscatter System. IEEE Access, 2019, 7, 40068-40077.	4.2	3
89	Frequency Synchronization for Uplink Massive MIMO With Adaptive MUI Suppression in Angle Domain. IEEE Transactions on Signal Processing, 2019, 67, 2143-2158.	5.3	13
90	Deep Reinforcement Learning for Router Selection in Network With Heavy Traffic. IEEE Access, 2019, 7, 37109-37120.	4.2	42

#	Article	IF	Citations
91	Deep Learning-Based Channel Estimation for Doubly Selective Fading Channels. IEEE Access, 2019, 7, 36579-36589.	4.2	173
92	Channel Estimation and Transmission Strategy for Hybrid mmWave NOMA Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 584-596.	10.8	15
93	Channel Estimation in FDD Massive MIMO Systems Based on Block-Structured Dictionary Learning. , 2019, , .		5
94	Pilot-Free Channel Change Detection for mmWave Massive MIMO System. , 2019, , .		3
95	Gridless Angular Domain Channel Estimation for mmWave Massive MIMO System with One-Bit Quantization via Approximate Message Passing. , 2019, , .		3
96	Cooperative Detection for Ambient Backscatter Assisted Generalized Spatial Modulation. , 2019, , .		6
97	A New Uplink Channel Estimation Architecture for Massive MIMO Systems with PDMA. , 2019, , .		2
98	Backscatter Communications Over Correlated Nakagami-<inline-formula> <tex-math notation="LaTeX">m </tex-math> </inline-formula> Fading Channels. IEEE Transactions on Communications, 2019, 67, 1693-1704.	7.8	21
99	Hardware-Constrained Millimeter-Wave Systems for 5G: Challenges, Opportunities, and Solutions. IEEE Communications Magazine, 2019, 57, 44-50.	6.1	75
100	Efficient Channel Estimator With Angle-Division Multiple Access. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 708-718.	5.4	8
101	Angle-Domain Approach for Parameter Estimation in High-Mobility OFDM With Fully/Partly Calibrated Massive ULA. IEEE Transactions on Wireless Communications, 2019, 18, 591-607.	9.2	28
102	Optimizing multi-user CR transmission under RF energy harvesting. Physical Communication, 2019, 32, 209-216.	2.1	3
103	Beam Tracking for UAV Mounted SatCom on-the-Move With Massive Antenna Array. IEEE Journal on Selected Areas in Communications, 2018, 36, 363-375.	14.0	141
104	Channel Estimation for TDD/FDD Massive MIMO Systems With Channel Covariance Computing. IEEE Transactions on Wireless Communications, 2018, 17, 4206-4218.	9.2	116
105	Robust Beamforming for Physical Layer Security in BDMA Massive MIMO. IEEE Journal on Selected Areas in Communications, 2018, 36, 775-787.	14.0	29
106	Robust Downlink Beamforming for BDMA Massive MIMO System. IEEE Transactions on Communications, 2018, 66, 1496-1507.	7.8	10
107	Leveraging High Order Cumulants for Spectrum Sensing and Power Recognition in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2018, 17, 1298-1310.	9.2	41
108	Iterative Demodulation and Decoding Algorithm for 3GPP/LTE-A MIMO-OFDM Using Distribution Approximation. IEEE Transactions on Wireless Communications, 2018, 17, 1331-1342.	9.2	9

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109	Frequency Synchronization for Uplink Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 235-249.	9.2	65
110	Mainlobe jamming cancelation method for distributed monopulse arrays. Science China Information Sciences, 2018, 61, 1.	4.3	2
111	Spatial- and Frequency-Wideband Effects in Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Signal Processing, 2018, 66, 3393-3406.	5.3	327
112	Computationally Efficient Blind CFO Estimation for Massive MIMO Uplink. IEEE Transactions on Vehicular Technology, 2018, 67, 7795-7799.	6.3	7
113	Channel Tracking With Flight Control System for UAV mmWave MIMO Communications. IEEE Communications Letters, 2018, 22, 1224-1227.	4.1	82
114	Self-Positioning for UAV Swarm via RARE Direction-of-Arrival Estimator. , 2018, , .		2
115	Capacity of Ambient Backscatter Communications with Binary Input and Binary Output Channel. , 2018, , .		1
116	Wideband Channel Estimation for mmWave Massive MIMO Systems with Beam Squint Effect. , 2018, , .		8
117	Angle-Domain Frequency Synchronization for Massive MIMO Uplink with Adaptive MUI Suppression. , 2018, , .		3
118	Modeling and Analysis of Millimeter-Wave Cellular Networks Using Poisson Cluster Processes. , 2018, , .		1
119	On fair power optimization in nonorthogonal multiple access multiuser networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3540.	3.9	16
120	Integrating Communications and Control for UAV Systems: Opportunities and Challenges. IEEE Access, 2018, 6, 67519-67527.	4.2	57
121	Angle Domain Channel Estimation in Hybrid Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 8165-8179.	9.2	89
122	Outage Probability of Equal Gain Combining for Backscatter Communication Systems Over Nakagami-m Fading Channels. , 2018, , .		1
123	Robust Magnetic Resonant Beamforming for Secured Wireless Power Transfer. IEEE Signal Processing Letters, 2018, 25, 1226-1230.	3.6	8
124	Performance Analysis for Tag Selection in Backscatter Communication Systems over Nakagami-m Fading Channels. , 2018, , .		10
125	Time Varying Channel Tracking With Spatial and Temporal BEM for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 5653-5666.	9.2	39
126	Price-Based Power Allocation in Two-Tier Spectrum Sharing Heterogeneous Cellular Networks. Journal of Communications and Information Networks, 2018, 3, 37-43.	5.2	4

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127	Achieving Green Transmission With Energy Harvesting Based Cooperative Communication. IEEE Access, 2018, 6, 27507-27517.	4.2	12
128	Spatial-Wideband Effect in Massive MIMO with Application in mmWave Systems. IEEE Communications Magazine, 2018, 56, 134-141.	6.1	112
129	Power Control in UAV-Supported Ultra Dense Networks: Communications, Caching, and Energy Transfer. , 2018, 56, 28-34.		134
130	Scattered Pilots-Based Frequency Synchronization for Multiuser OFDM Systems With Large Number of Receive Antennas. IEEE Transactions on Communications, 2017, 65, 1733-1745.	7.8	16
131	RaPro: A Novel 5G Rapid Prototyping System Architecture. IEEE Wireless Communications Letters, 2017, 6, 362-365.	5.0	13
132	High-Mobility OFDM Downlink Transmission With Large-Scale Antenna Array. IEEE Transactions on Vehicular Technology, 2017, 66, 8600-8604.	6.3	41
133	Magnetic Resonant Beamforming for Secured Wireless Power Transfer. IEEE Signal Processing Letters, 2017, 24, 1173-1177.	3.6	19
134	Sequential Detection for Cognitive Radio With Multiple Primary Transmit Power Levels. IEEE Transactions on Communications, 2017, 65, 2769-2780.	7.8	11
135	Noncoherent Detections for Ambient Backscatter System. IEEE Transactions on Wireless Communications, 2017, 16, 1412-1422.	9.2	215
136	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.	14.0	108
137	Large System Analysis of Resource Allocation in Heterogeneous Networks With Wireless Backhaul. IEEE Transactions on Communications, 2017, 65, 5040-5053.	7.8	15
138	Angle Domain Hybrid Precoding and Channel Tracking for Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2017, 16, 6868-6880.	9.2	147
139	Content Centric Network With Label Aided User Modeling and Cellular Partition. IEEE Access, 2017, 5, 12576-12583.	4.2	11
140	Angle Domain Signal Processing-Aided Channel Estimation for Indoor 60-GHz TDD/FDD Massive MIMO Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 1948-1961.	14.0	93
141	Low Complexity Automatic Modulation Classification Based on Order-Statistics. IEEE Transactions on Wireless Communications, 2017, 16, 400-411.	9.2	87
142	A Unified Transmission Strategy for TDD/FDD Massive MIMO Systems With Spatial Basis Expansion Model. IEEE Transactions on Vehicular Technology, 2017, 66, 3170-3184.	6.3	402
143	A Unified Power-Allocation Framework for Bidirectional Cognitive Radio Communication. IEEE Transactions on Vehicular Technology, 2017, 66, 3034-3044.	6.3	11
144	The VLSI architecture for channel estimation based on ADMA. , 2017, , .		3

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145	Semi-Coherent Detection and Performance Analysis for Ambient Backscatter System. IEEE Transactions on Communications, 2017, 65, 5266-5279.	7.8	99
146	Deep learning for wireless physical layer: Opportunities and challenges. China Communications, 2017, 14, 92-111.	3.2	407
147	Maximizing Harvested Energy for Full-Duplex SWIPT System With Power Splitting. IEEE Access, 2017, 5, 24975-24987.	4.2	26
148	Pilot reuse with a large number of antennas: Performance analysis and pilot contamination reduction. , 2017, , .		3
149	Outage probability for ambient backscatter system with real source. , 2017, , .		6
150	Angle Space Channel Tracking for Hybrid mmWave Massive MIMO Systems. , 2017, , .		3
151	High-Mobility OFDM Downlink Transmission with Partly Calibrated Subarray-Based Massive Uniform Linear Array. , 2017, , .		10
152	Spatial-wideband effect in massive MIMO systems. , 2017, , .		7
153	Channel capacity and lower bound for ambient backscatter communication systems. , 2017, , .		9
154	Channel tracking for massive MIMO systems with spatial-temporal basis expansion model. , 2017, , .		14
155	Angle-Domain Doppler Pre-Compensation for High-Mobility OFDM Uplink with Massive ULA. , 2017, , .		17
156	Semi-coherent detector of ambient backscatter communication for the Internet of Things. , 2017, , .		6
157	Bandwidth Allocation in Heterogeneous Networks with Wireless Backhaul. , 2016, , .		10
158	Frequency Synchronization for Massive MIMO Multi-User Uplink. , 2016, , .		15
159	Spatial-Temporal BEM and Channel Estimation Strategy for Massive MIMO Time-Varying Systems. , 2016, , .		12
160	Symbol detection and performance analysis of the ambient backscatter system. , 2016, , .		9
161	Optimizing multi-node multi-carrier cognitive radio transmission. , 2016, , .		0
162	Computationally Efficient Blind Estimation of Carrier Frequency Offset for MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7644-7656.	9.2	30

#	Article	IF	Citations
163	Enhancing physical layer security in dual-hop multiuser transmission. , 2016, , .		12
164	Weighted Sum Transmit Power Minimization for Full-Duplex System With SWIPT and Self-Energy Recycling. IEEE Access, 2016, 4, 4874-4881.	4.2	31
165	Robust Power and Bandwidth Allocation in Cognitive Radio System With Uncertain Distributional Interference Channels. IEEE Transactions on Wireless Communications, 2016, 15, 7160-7173.	9.2	11
166	Ambient Backscatter Communication Systems: Detection and Performance Analysis. IEEE Transactions on Communications, 2016, 64, 4836-4846.	7.8	315
167	A Full-Space Spectrum-Sharing Strategy for Massive MIMO Cognitive Radio Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 2537-2549.	14.0	153
168	Signal detection of ambient backscatter system with differential modulation. , 2016, , .		28
169	Optimizing Combined Emission Economic Dispatch for Solar Integrated Power Systems. IEEE Access, 2016, , 1-1.	4.2	25
170	An Overview of Low-Rank Channel Estimation for Massive MIMO Systems. IEEE Access, 2016, 4, 7313-7321.	4.2	213
171	Achieving energy fairness in multiuser uplink CR transmission. , 2016, , .		8
172	An Angular Parameter Estimation Method for Incoherently Distributed Sources Via Generalized Shift Invariance. IEEE Transactions on Signal Processing, 2016, 64, 4493-4503.	5.3	35
173	Blind CFO estimation for multiuser OFDM uplink with large number of receive antennas. , 2016, , .		7
174	Transceiver Optimization for Multi-Hop Communications With Per-Antenna Power Constraints. IEEE Transactions on Signal Processing, 2016, 64, 1519-1534.	5.3	145
175	Blind Frequency Synchronization for Multiuser OFDM Uplink With Large Number of Receive Antennas. IEEE Transactions on Signal Processing, 2016, 64, 2255-2268.	5.3	47
176	Physical-Layer Security for Full Duplex Communications With Self-Interference Mitigation. IEEE Transactions on Wireless Communications, 2016, 15, 329-340.	9.2	101
177	An outage-based transmission strategy for MIMO femtocells. , 2015, , .		0
178	Doppler shift estimation for high-speed railway wireless communication systems with large-scale linear antennas. , 2015, , .		9
179	Blind Channel Estimation for MIMO-OFDM Systems With Low Order Signal Constellation. IEEE Communications Letters, 2015, 19, 499-502.	4.1	27
180	Time Varying Channel Estimation for DSTC-Based Relay Networks: Tracking, Smoothing and BCRBs. IEEE Transactions on Wireless Communications, 2015, 14, 5022-5037.	9.2	7

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181	Sensing and Recognition When Primary User Has Multiple Transmit Power Levels. IEEE Transactions on Signal Processing, 2015, 63, 2704-2717.	5.3	43
182	Robust Transceiver Design for Downlink Multiuser MIMO AF Relay Systems. IEEE Transactions on Wireless Communications, 2015, 14, 2218-2231.	9.2	19
183	Acquisition of channel state information in heterogeneous cloud radio access networks: challenges and research directions. IEEE Wireless Communications, 2015, 22, 100-107.	9.0	98
184	A Hybrid Underlay/Overlay Transmission Mode for Cognitive Radio Networks with Statistical Quality-of-Service Provisioning. IEEE Transactions on Wireless Communications, 2014, 13, 1482-1498.	9.2	71
185	Joint Information- and Jamming-Beamforming for Physical Layer Security With Full Duplex Base Station. IEEE Transactions on Signal Processing, 2014, 62, 6391-6401.	5.3	234
186	Robust transceiver design for multiâ€user multipleâ€input multipleâ€output amplifyâ€andâ€forward relay systems. IET Communications, 2014, 8, 2162-2170.	2.2	7
187	One-Shot Blind CFO and Channel Estimation for OFDM With Multi-Antenna Receiver. IEEE Transactions on Signal Processing, 2014, 62, 3799-3808.	5.3	18
188	Variable partial-update NLMS algorithms with data-selective updating. Science China Information Sciences, 2014, 57, 1-11.	4.3	3
189	Time varying individual channel estimation for one-way relay networks with UKF and URTSS. , 2014, , .		2
190	User Assignment, Power Allocation, and Mode Selection Schemes in Cognitive Radio Networks. , 2014, , .		2
191	Robust beamforming for relay-aided multiuser MIMO cognitive radio networks. , 2013, , .		10
192	Distributed Angle Estimation for Localization in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 527-537.	9.2	83
193	Study of Segment Training Based Individual Channel Estimation for Two-Way Relay Network. IEEE Communications Letters, 2013, 17, 401-404.	4.1	3
194	Power Allocation for Statistical QoS Provisioning in Opportunistic Multi-Relay DF Cognitive Networks. IEEE Signal Processing Letters, 2013, 20, 43-46.	3.6	17
195	Robust Peer-to-Peer Relay Beamforming: A Probabilistic Approach. IEEE Communications Letters, 2013, 17, 305-308.	4.1	16
196	Individual channel tracking and training design for one-way relay networks. , 2013, , .		0
197	Advanced Antenna Technologies in the Beyond IMT-Advanced Systems. International Journal of Antennas and Propagation, 2013, 2013, 1-2.	1.2	2
198	Optimizing dual-hop systems under orthogonal transmission and relay selection schemes. , 2012, , .		0

#	Article	IF	Citations
199	Cooperative spectrum sensing based on spatially-correlated Rayleigh shadowing. , 2012, , .		3
200	Optimal Training Design for Individual Channel Estimation in Two-Way Relay Networks. IEEE Transactions on Signal Processing, 2012, 60, 4987-4991.	5.3	42
201	On Distribution of SaS Noise and its Application in Performance Analysis for Linear Rake Receivers. IEEE Communications Letters, 2012, 16, 186-189.	4.1	12
202	An Improved Square-Root Algorithm for V-BLAST Based on Efficient Inverse Cholesky Factorization. IEEE Transactions on Wireless Communications, 2011, 10, 43-48.	9.2	19
203	Channel Estimation and Training Design for Two-Way Relay Networks in Time-Selective Fading Environments. IEEE Transactions on Wireless Communications, 2011, 10, 2681-2691.	9.2	82
204	Joint CFO and Channel Estimation for OFDM-Based Two-Way Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 456-465.	9.2	58
205	Multicell Downlink Beamforming with Imperfect Channel Knowledge at Both Transceiver Sides. IEEE Communications Letters, 2011, 15, 1075-1077.	4.1	10
206	Optimization of Cooperative Spectrum Sensing in Cognitive Radio. IEEE Transactions on Vehicular Technology, 2011, 60, 1578-1589.	6.3	28
207	Moment-Based Parameter Estimation and Blind Spectrum Sensing for Quadrature Amplitude Modulation. IEEE Transactions on Communications, 2011, 59, 613-623.	7.8	9
208	Superimposed Training Based Channel Estimation for OFDM Modulated Amplify-and-Forward Relay Networks. IEEE Transactions on Communications, 2011, 59, 2029-2039.	7.8	68
209	A Fast Recursive Algorithm for G-STBC. IEEE Transactions on Communications, 2011, 59, 2084-2089.	7.8	8
210	A Joint Resource Allocation Scheme for Multiuser Two-Way Relay Networks. IEEE Transactions on Communications, 2011, 59, 2970-2975.	7.8	58
211	Robust Multicell Downlink Beamforming Based on Second-Order Statistics of Channel State Information. , 2011, , .		11
212	Design of Learning-Based MIMO Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 1707-1720.	6.3	90
213	Cognitive beamforming made practical: Effective interference channel and learning-throughput tradeoff. IEEE Transactions on Communications, 2010, 58, 706-718.	7.8	118
214	Robust General Rank Precoding Design for Amplify-and-Forward Relay Network. , 2010, , .		4
215	Distributed Adaptive Subchannel and Power Allocation for Downlink OFDMA with Inter-Cell Interference Coordination. , 2010, , .		8
216	Design of Amplify and Forward MIMO Relay Networks with QoS Constraint. , 2010, , .		7

#	Article	IF	Citations
217	Superimposed Pilots Aided Joint CFO and Channel Estimation for ZP-OFDM Modulated Two-Way Relay Networks. , 2010, , .		8
218	Superimposed Pilot Based Joint CFO and Channel Estimation for CP-OFDM Modulated Two-Way Relay Networks. , 2010, , .		8
219	A joint resource allocation scheme for multi-relay aided uplink multi-user OFDMA system. , 2010, , .		5
220	Effects of channel estimation errors on BPSK systems using superimposed pilots. , 2010, , .		0
221	Channel estimation and training design for two-way relay networks with power allocation. IEEE Transactions on Wireless Communications, 2010, 9, 2022-2032.	9.2	92
222	Resource Allocation for Relay Aided Uplink Multiuser OFDMA System. , 2010, , .		12
223	On the use of signal subspace information in blind FIR channel estimation. , 2010, , .		0
224	Joint CFO and Channel Estimation for ZP-OFDM Modulated Two-Way Relay Networks. , 2010, , .		7
225	Lifetime maximization in multihop mixed AF-DF relay networks. , 2010, , .		4
226	Blind Channel Estimation for OFDM Modulated Two-Way Relay Network. , 2010, , .		28
227	Closed-form BER analysis of MIMO systems with impulsive noise using bi-parameter Cauchy-Gaussian mixture approximation. , 2010, , .		1
228	CFO estimation in OFDM systems under timing and channel length uncertainties with model averaging. IEEE Transactions on Wireless Communications, 2010, 9, 970-974.	9.2	10
229	Semi-Blind Channel Estimation for Space-Time Coded Amplify-and-Forward Relay Networks. , 2009, , .		1
230	Optimal channel estimation and training design for two-way relay networks. IEEE Transactions on Communications, 2009, 57, 3024-3033.	7.8	266
231	Differential modulation for two-way wireless communications: a perspective of differential network coding at the physical layer. IEEE Transactions on Communications, 2009, 57, 2977-2987.	7.8	74
232	Joint Frequency Offset and Channel Estimation Methods for Two-Way Relay Networks. , 2009, , .		13
233	Distributed Space–Time Coding for Two-Way Wireless Relay Networks. IEEE Transactions on Signal Processing, 2009, 57, 658-671.	5.3	189
234	Channel Estimation for OFDM Modulated Two-Way Relay Networks. IEEE Transactions on Signal Processing, 2009, 57, 4443-4455.	5.3	155

#	Article	IF	Citations
235	Optimal beamforming for non-regenerative MIMO relays with direct link. IEEE Communications Letters, 2009, 13, 926-928.	4.1	48
236	On channel estimation and optimal training design for amplify and forward relay networks. IEEE Transactions on Wireless Communications, 2008, 7, 1907-1916.	9.2	396