

Li You

List of Publications by Year in descending order

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394421
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1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot Reuse for Massive MIMO Transmission over Spatially Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2015, 14, 3352-3366.	9.2	298
2	Channel Acquisition for Massive MIMO-OFDM With Adjustable Phase Shift Pilots. IEEE Transactions on Signal Processing, 2016, 64, 1461-1476.	5.3	214
3	Massive MIMO Transmission for LEO Satellite Communications. IEEE Journal on Selected Areas in Communications, 2020, 38, 1851-1865.	14.0	205
4	Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. IEEE Transactions on Signal Processing, 2021, 69, 1407-1421.	5.3	139
5	BDMA for Millimeter-Wave/Terahertz Massive MIMO Transmission With Per-Beam Synchronization. IEEE Journal on Selected Areas in Communications, 2017, 35, 1550-1563.	14.0	119
6	Robust Multigroup Multicast Transmission for Frame-Based Multi-Beam Satellite Systems. IEEE Access, 2018, 6, 46074-46083.	4.2	60
7	Spectral Efficiency and Energy Efficiency Tradeoff in Massive MIMO Downlink Transmission With Statistical CSIT. IEEE Transactions on Signal Processing, 2020, 68, 2645-2659.	5.3	58
8	Outage Constrained Robust Multigroup Multicast Beamforming for Multi-Beam Satellite Communication Systems. IEEE Wireless Communications Letters, 2019, 8, 352-355.	5.0	52
9	Near Optimal Timing and Frequency Offset Estimation for 5G Integrated LEO Satellite Communication System. IEEE Access, 2019, 7, 113298-113310.	4.2	49
10	Reconfigurable Intelligent Surfaces-Assisted Multiuser MIMO Uplink Transmission With Partial CSI. IEEE Transactions on Wireless Communications, 2021, 20, 5613-5627.	9.2	46
11	Deterministic Pilot Design and Channel Estimation for Downlink Massive MIMO-OTFS Systems in Presence of the Fractional Doppler. IEEE Transactions on Wireless Communications, 2021, 20, 7151-7165.	9.2	38
12	Downlink Transmit Design for Massive MIMO LEO Satellite Communications. IEEE Transactions on Communications, 2022, 70, 1014-1028.	7.8	38
13	Energy Efficiency Optimization for Downlink Massive MIMO With Statistical CSIT. IEEE Transactions on Wireless Communications, 2020, 19, 2684-2698.	9.2	36
14	Network Massive MIMO Transmission Over Millimeter-Wave and Terahertz Bands: Mobility Enhancement and Blockage Mitigation. IEEE Journal on Selected Areas in Communications, 2020, 38, 2946-2960.	14.0	32
15	Channel Prediction in High-Mobility Massive MIMO: From Spatio-Temporal Autoregression to Deep Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 1915-1930.	14.0	28
16	Learning to Localize: A 3D CNN Approach to User Positioning in Massive MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2021, 20, 4556-4570.	9.2	26
17	Covariance Matrix Reconstruction for DOA Estimation in Hybrid Massive MIMO Systems. IEEE Wireless Communications Letters, 2020, 9, 1196-1200.	5.0	25
18	Massive MIMO transmission with pilot reuse in single cell. , 2014, , .		22

#	ARTICLE	IF	CITATIONS
19	LEO Satellite Communications with Massive MIMO. , 2020, , .		22
20	Resource Efficiency Optimization for Robust Beamforming in Multi-Beam Satellite Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 6958-6968.	6.3	22
21	Location-Based Timing Advance Estimation for 5G Integrated LEO Satellite Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 6002-6017.	6.3	20
22	Secure Multicast Transmission for Massive MIMO With Statistical Channel State Information. IEEE Signal Processing Letters, 2019, 26, 803-807.	3.6	16
23	Channel Estimation With Pilot Reuse in IQ Imbalanced Massive MIMO. IEEE Access, 2020, 8, 1542-1555.	4.2	16
24	Robust MMSE precoding for massive MIMO transmission with hardware mismatch. Science China Information Sciences, 2018, 61, 1.	4.3	13
25	Pilot Reuse for Vehicle-to-Vehicle Underlay Massive MIMO Transmission. IEEE Transactions on Vehicular Technology, 2020, 69, 5693-5697.	6.3	13
26	Hybrid A/D Precoding for Downlink Massive MIMO in LEO Satellite Communications. , 2021, , .		13
27	Energy Efficiency Optimization for Multi-Cell Massive MIMO: Centralized and Distributed Power Allocation Algorithms. IEEE Transactions on Communications, 2021, 69, 5228-5242.	7.8	12
28	Non-Orthogonal Unicast and Multicast Transmission for Massive MIMO With Statistical Channel State Information. IEEE Access, 2018, 6, 66841-66849.	4.2	11
29	Artificial Noise Assisted Secure Massive MIMO Transmission Exploiting Statistical CSI. IEEE Communications Letters, 2019, 23, 2386-2389.	4.1	11
30	Satellite-Aided Consensus Protocol for Scalable Blockchains. Sensors, 2020, 20, 5616.	3.8	11
31	Robust Energy-Efficient Multigroup Multicast Beamforming for Multi-Beam Satellite Communications. , 2020, , .		11
32	Channel Estimation and Robust Detection for IQ Imbalanced Uplink Massive MIMO-OFDM With Adjustable Phase Shift Pilots. IEEE Access, 2021, 9, 35864-35878.	4.2	10
33	On the Trade-Off between Energy Efficiency and Spectral Efficiency in RIS-Aided Multi-User MISO Downlink. Electronics (Switzerland), 2021, 10, 1307.	3.1	9
34	Energy Efficiency Optimization for Massive MIMO Non-Orthogonal Unicast and Multicast Transmission with Statistical CSI. Electronics (Switzerland), 2019, 8, 857.	3.1	8
35	Spatial Covariance Matrix Reconstruction for DOA Estimation in Hybrid Massive MIMO Systems With Multiple Radio Frequency Chains. IEEE Transactions on Vehicular Technology, 2021, 70, 12185-12190.	6.3	8
36	Multi-cell massive MIMO transmission with coordinated pilot reuse. Science China Technological Sciences, 2015, 58, 2186-2194.	4.0	7

#	ARTICLE	IF	CITATIONS
37	Energy-Efficient Multicast Precoding for Massive MIMO Transmission with Statistical CSI. Energies, 2018, 11, 3175.	3.1	7
38	Widely-Linear Processing for the Uplink of the Massive MIMO With IQ Imbalance: Channel Estimation and Data Detection. IEEE Transactions on Signal Processing, 2021, 69, 4685-4698.	5.3	7
39	DFT-Based Low-Complexity Channel Estimation Method for Millimeter-Wave MIMO Systems. Wireless Personal Communications, 2019, 107, 205-216.	2.7	6
40	D2D-Enabled User Cooperation in Massive MIMO. IEEE Systems Journal, 2020, 14, 4406-4417.	4.6	6
41	Energy-Efficient Precoding in Electromagnetic Exposure-Constrained Uplink Multiuser MIMO. IEEE Transactions on Vehicular Technology, 2021, 70, 7226-7231.	6.3	6
42	Massive MIMO Downlink Transmission for LEO Satellite Communications. , 2021, , .		6
43	Massive MIMO Hybrid Precoding for LEO Satellite Communications With Twin-Resolution Phase Shifters and Nonlinear Power Amplifiers. IEEE Transactions on Communications, 2022, 70, 5543-5557.	7.8	6
44	Robust Multigroup Multicast Precoding for Frame-Based Multi-Beam Satellite Communications. , 2018, , .		5
45	Reconfigurable Intelligent Surfaces Assisted MIMO-MAC with Partial CSI. , 2020, , .		5
46	Active Channel Sparsification for Uplink Massive MIMO With Uniform Planar Array. IEEE Transactions on Wireless Communications, 2021, 20, 6018-6032.	9.2	5
47	Multiuser MIMO Uplink Transmission With Electromagnetic Exposure Constraints: Spectral Efficiency and Energy Efficiency Tradeoff. IEEE Communications Letters, 2022, 26, 1096-1100.	4.1	5
48	Adjustable phase shift pilots for sparse massive MIMO-OFDM channels. , 2015, , .		4
49	Coordinated Multicast Precoding for Multi-Cell Massive MIMO Transmission Exploiting Statistical Channel State Information. Electronics (Switzerland), 2018, 7, 338.	3.1	4
50	Physical Layer Multicasting in Massive MIMO Systems With Statistical CSIT. IEEE Transactions on Vehicular Technology, 2020, 69, 1651-1665.	6.3	4
51	OFDM-Based Massive Grant-Free Transmission Over Frequency-Selective Fading Channels. IEEE Transactions on Communications, 2022, 70, 4543-4558.	7.8	4
52	A robust precoding for RF mismatched massive MIMO transmission. , 2017, , .		3
53	IQ Imbalance Aware Receiver for Uplink Massive MIMO-OFDM with Adjustable Phase Shift Pilots. , 2019, , .		3
54	Energy Efficiency and Spectral Efficiency Tradeoff in Massive MIMO Multicast Transmission with Statistical CSI. Entropy, 2020, 22, 1045.	2.2	3

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55	Resource Efficiency Optimization for Robust Multigroup Multicast Satellite Communications. , 2021, , .		3
56	Coordinated pilot reuse for multi-cell massive MIMO transmission. , 2014, , .		2
57	Energy- and Spectral-Efficiency Tradeoff in Beam Domain Massive MIMO Downlink with Statistical CSIT. , 2019, , .		2
58	Polynomial Manifold Interpolation for Direction Finding in the Presence of Mutual Coupling. IEEE Access, 2019, 7, 173811-173816.	4.2	2
59	On One-Bit Line-of-Sight MIMO Communications at Flexible Communications Distances. IEEE Wireless Communications Letters, 2021, 10, 116-120.	5.0	2
60	A Bipartite Graph Approach for FDD V2V Underlay Massive MIMO Transmission. IEEE Transactions on Vehicular Technology, 2021, 70, 5149-5154.	6.3	2
61	Max-Min Energy-Efficient Multi-Cell Massive MIMO Transmission Exploiting Statistical CSI. , 2020, , .		2
62	Precoding Design for Joint Synchronization and Positioning in 5G Integrated Satellite Communications. , 2021, , .		2
63	Robust Downlink Precoding for LEO Satellite Systems With Per-Antenna Power Constraints. IEEE Transactions on Vehicular Technology, 2022, 71, 10694-10711.	6.3	2
64	Millimeter-wave/terahertz massive MIMO BDMA transmission with per-beam synchronization. , 2017, , .		1
65	A Ray-Optics Approach for Evaporation Duct Channel Modeling. , 2018, , .		1
66	Multicell multiuser massive MIMO channel estimation and MPSK signal block detection applying two-dimensional compressed sensing. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	1
67	Transmit Design for Massive MIMO Multicasting with Statistical CSIT. , 2019, , .		1
68	Energy Efficient Precoding for Massive MIMO Downlink Transmission with Statistical CSI. , 2019, , .		1
69	Network Massive MIMO Transmission Over Millimeter-Wave Bands. , 2020, , .		1
70	Phase Shift Adjustable Pilots for Channel Acquisition in Vehicle-to-Vehicle Underlay Wideband Massive MIMO. IEEE Access, 2020, 8, 203793-203803.	4.2	1
71	Optimal Three-Dimensional Antenna Array for Direction Finding With Geometric Constraint. IEEE Access, 2020, 8, 31948-31956.	4.2	1
72	Pilot Reuse for Massive MIMO. , 2020, , 1071-1073.		1

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73	Coordinated multicast and unicast transmission in V2V underlay massive MIMO. Science China Information Sciences, 2022, 65, 1.	4.3	1
74	Dynamic Metasurface Antennas for Energy Efficient Uplink Massive MIMO Communications. , 2021, , .		1
75	Cooperative Multistation Secure Transmission in HF Skywave Massive MIMO Communications for Wide-Area IoT Applications. IEEE Transactions on Reliability, 2023, 72, 459-471.	4.6	1
76	Channel Estimation for Massive MIMO Uplink Transmission over Frequency Selective Fading Channels. , 2018, , .		0
77	Limited Feedforward for Channel Estimation in Massive MIMO With Cascaded Precoding. IEEE Access, 2019, 7, 76217-76226.	4.2	0
78	A Stochastic Ray-Tracing Approach for Maritime Line-of-Sight Channel Modeling. , 2019, , .		0
79	Energy Efficiency Optimization in Massive MIMO Secure Multicast Transmission. Entropy, 2020, 22, 1145.	2.2	0
80	Massive MIMO BDMA Transmission. , 2018, , 1-5.		0
81	Per-Beam Synchronization for Millimeter-Wave Massive MIMO. , 2018, , 1-4.		0
82	Massive MIMO BDMA Transmission. , 2020, , 775-779.		0
83	Per-Beam Synchronization for Millimeter-Wave Massive MIMO. , 2020, , 1062-1064.		0
84	Cooperative Beamforming for Antieavesdropping Communications Systems. IEEE Systems Journal, 2023, 17, 525-535.	4.6	0
85	Energy Efficiency Optimization for Radar-Communication Coexistence with Statistical CSIT. , 2022, , .		0