Hua Zhang

List of Publications by Year
in descending order

27 papers	705 citations	623734 14 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	677 citing authors

#	Article	IF	Citations
1	Deep CNN-Based Channel Estimation for mmWave Massive MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 989-1000.	10.8	215
2	Robust Beamforming With Partial Channel State Information for Energy Efficient Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 2920-2935.	14.0	62
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.	9.2	40
4	Machine Learning Prediction Based CSI Acquisition for FDD Massive MIMO Downlink. , 2018, , .		36
5	Efficient Low-Resolution ADC Relaying for Multiuser Massive MIMO System. IEEE Transactions on Vehicular Technology, 2017, 66, 11039-11056.	6.3	35
6	Deep CNN for Wideband Mmwave Massive Mimo Channel Estimation Using Frequency Correlation. , 2019, , .		32
7	Performance Analysis of Multiuser Massive MIMO With Spatially Correlated Channels Using Low-Precision ADC. IEEE Communications Letters, 2018, 22, 205-208.	4.1	30
8	Acquisition of channel state information for mmWave massive MIMO: traditional and machine learning-based approaches. Science China Information Sciences, 2021, 64, 1.	4.3	29
9	Wideband mmWave Channel Estimation for Hybrid Massive MIMO With Low-Precision ADCs. IEEE Wireless Communications Letters, 2019, 8, 285-288.	5.0	25
10	Performance Analysis of Multi-Cell Millimeter-Wave Massive MIMO Networks With Low-Precision ADCs. IEEE Transactions on Communications, 2019, 67, 302-317.	7.8	25
11	Joint MU-MIMO Precoding and Resource Allocation for Mobile-Edge Computing. IEEE Transactions on Wireless Communications, 2021, 20, 1639-1654.	9.2	25
12	Intelligent Reflecting Surface-Assisted mmWave Communication Exploiting Statistical CSI. , 2020, , .		21
13	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.	14.0	20
14	Joint Optimization of Transmission Bandwidth Allocation and Data Compression for Mobile-Edge Computing Systems. IEEE Communications Letters, 2020, 24, 2245-2249.	4.1	18
15	Multiâ€colour LED specified bipolar colour shift keying scheme for visible light communications. Electronics Letters, 2016, 52, 133-135.	1.0	16
16	Spatially Correlated Massive MIMO Relay Systems With Low-Resolution ADCs. IEEE Transactions on Vehicular Technology, 2020, 69, 6541-6553.	6.3	16
17	Joint Beamforming for Integrated Mmwave Satellite-Terrestrial Self-Backhauled Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9103-9117.	6.3	16
18	Subarray-Based Simultaneous Beam Training for Multiuser mmWave Massive MIMO Systems. IEEE Wireless Communications Letters, 2019, 8, 976-979.	5.0	12

#	Article	IF	Citations
19	Optimal Multiuser Loading in Quantized Massive MIMO Under Spatially Correlated Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 1459-1471.	6.3	9
20	Multi-IRS-Assisted mmWave MIMO Communication Using Twin-Timescale Channel State Information. IEEE Transactions on Communications, 2022, 70, 6370-6384.	7.8	7
21	Intelligent Reflecting Surface Aided Millimeter Wave Communication Using Subarray-Connected Structure. IEEE Transactions on Vehicular Technology, 2022, 71, 5581-5586.	6.3	5
22	Fast beam alignment algorithm for multiâ€user mmWave communications. Electronics Letters, 2018, 54, 1456-1458.	1.0	4
23	Intelligent Reflecting Surface Assisted mmWave Communication Using Mixed Timescale Channel State Information. IEEE Transactions on Wireless Communications, 2022, 21, 5673-5687.	9.2	4
24	Coexistence of Direct and Relayed Transmission Users in Multi-Cell Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 3728-3746.	6.3	2
25	Joint Beamforming and Channel Allocation for Multi-User and Multi-Channel URLLC Systems. , 2022, , .		1
26	A Novel Bi-directional Relaying Scheme with Low Complexity. IEICE Transactions on Communications, 2010, E93-B, 423-427.	0.7	0
27	Optimal Routing Strategy in Multi-Hop Relaying Networks. IEICE Transactions on Communications, 2011, E94-B, 2378-2381.	0.7	0