Weidong Wang

List of Publications by Year
in descending order

59 papers	386 citations	933447 10 h-index	839539 18 g-index
59 all docs	59 docs citations	59 times ranked	497 citing authors

#	Article	IF	Citations
1	Attitude Information Aided Digital Beamforming in Millimeter-Wave MIMO Systems. IEEE Systems Journal, 2022, 16, 1820-1831.	4.6	4
2	Joint CS Measurement Through Coherent MAC: Exploiting Joint Sparsity of Multiple Phenomena. IEEE Transactions on Vehicular Technology, 2022, 71, 583-594.	6.3	0
3	Diagnosis of Intelligent Reflecting Surface in Millimeter-Wave Communication Systems. IEEE Transactions on Wireless Communications, 2022, 21, 3921-3934.	9.2	10
4	Hierarchical Coded Matrix Multiplication in Heterogeneous Multihop Networks. IEEE Transactions on Communications, 2022, 70, 3597-3612.	7.8	2
5	Attitude Information Aided mmWave Beam Tracking Based on Codebook. IEEE Communications Letters, 2022, 26, 1160-1164.	4.1	3
6	General Decentralized Federated Learning for Communication-Computation Tradeoff. , 2022, , .		0
7	Impact and Calibration of Nonlinear Reciprocity Mismatch in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2021, 20, 6418-6435.	9.2	8
8	Joint Radar-Communication Transmission: A Generalized Pareto Optimization Framework. IEEE Transactions on Signal Processing, 2021, 69, 2752-2765.	5.3	38
9	Hybrid Beamforming System Diagnosis: Failure Modeling and Identification. IEEE Transactions on Wireless Communications, 2021, 20, 3415-3429.	9.2	4
10	Blind Diagnosis for Millimeter-Wave Large-Scale Antenna Systems. IEEE Communications Letters, 2021, 25, 2390-2394.	4.1	6
11	Utilizing Coherent Transmission in Cooperative Compressive Sensing in IoT. IEEE Internet of Things Journal, 2021, 8, 13555-13566.	8.7	5
12	Precoding with the Assistance of Attitude Information in Millimeter Wave MIMO System. , 2020, , .		1
13	Stochastic Encoding based Distributed Blind Estimation for Deterministic Vector Signal. , 2020, , .		0
14	Decoupling Channel Estimation for FDD Massive MIMO Systems Utilizing Joint Sparsity. IEEE Access, 2020, 8, 81551-81563.	4.2	1
15	Learnable Sparse Transformation-Based Massive MIMO CSI Recovery Network. IEEE Communications Letters, 2020, 24, 1468-1471.	4.1	8
16	Robust Federated Learning With Noisy Communication. IEEE Transactions on Communications, 2020, 68, 3452-3464.	7.8	73
17	Robust Federated Learning Under Worst-Case Model. , 2020, , .		2
18	Baseband Codebook Design with Long-term Information for Hybrid Beamforming Systems. , 2020, , .		0

#	Article	IF	Citations
19	GCLR: GNN-Based Cross Layer Optimization for Multipath TCP by Routing. IEEE Access, 2020, 8, 17060-17070.	4.2	18
20	Stochastic Downlink Power Control for Various User Requirements. IEEE Access, 2020, 8, 8899-8912.	4.2	0
21	Low-Cost Group-Selected Structure in Multi-User Millimeter Wave Systems With Lens Antenna Array. IEEE Communications Letters, 2020, 24, 895-898.	4.1	0
22	Robust and Low-Overhead Hybrid Beamforming Design With Imperfect Phase Shifters in Multi-User Millimeter Wave Systems. IEEE Access, 2020, 8, 74002-74014.	4.2	6
23	Common amplitude-weighted analog beamforming in multiuser millimeter wave communication systems. , 2020, , .		0
24	Impact of IQI on Sum Rate of mmWave Massive MU-MIMO Systems with Hybrid Beamforming. , 2019, , .		0
25	Diagnosis of Calibration State for Massive Antenna Array via Deep Learning. IEEE Wireless Communications Letters, 2019, 8, 1431-1434.	5.0	8
26	Compressive Sensing in Wireless Powered Network: Regarding Transmission as Measurement. IEEE Wireless Communications Letters, 2019, 8, 1709-1712.	5.0	11
27	Hybrid beamforming for millimetre wave massive MU€MIMO systems with IQ imbalance. IET Communications, 2019, 13, 776-785.	2.2	9
28	Performance Loss of Hybrid Beamforming with Imperfect Phase Shifters in Millimeter Wave Systems. , 2018, , .		4
29	Achievable Sum Rate Loss of Hybrid Beamforming with Imperfect Phase Shifters in Multiuser Millimeter Wave Systems. , 2018, , .		4
30	Hybrid Beamforming Based on Minimum Mean Square Error for Multi-user Multi-Data Stream System. , 2018, , .		6
31	A Novel Pilot-Aided Channel Estimation Scheme Based on RNN for FDD-LTE systems. , 2018, , .		8
32	Asynchronous Multi-cluster Wireless Powered Communication Network and Its Performance Analysis. , 2018, , .		1
33	A General Matched Filter Design for Reciprocity Calibration in Multiuser Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 8939-8943.	6.3	9
34	Hybrid NSS features for no€reference image quality assessment. IET Image Processing, 2017, 11, 443-449.	2.5	5
35	Stochastic Wireless Powered Communication Networks With Truncated Cluster Point Process. IEEE Transactions on Vehicular Technology, 2017, 66, 11286-11294.	6.3	18
36	Performance Analysis of Large Scale Antenna System With Carrier Frequency Offset, Quasi-Static Mismatch and Channel Estimation Error. IEEE Access, 2017, 5, 26135-26145.	4.2	15

#	Article	IF	Citations
37	Cell planning for millimeter wave cellular networks. , 2017, , .		5
38	Distributed massive MIMO performance with channel reciprocity error and pilot contamination. , 2017, , .		1
39	Analysis of channel rate in single-user massive MIMO systems with IQ imbalances at UE. , 2016, , .		0
40	Generalized Selection Multiuser Scheduling for the MIMO FSO Communication System and Its Performance Analysis. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	14
41	MSFS: Multiple Spatio-temporal Scales Traffic Forecasting in Mobile Cellular Network. , 2016, , .		5
42	Performance of finite-resolution receivers for M-QAM systems with IQ imbalances. , 2016, , .		0
43	Performance Analysis of Energy Harvesting Wireless Communication System With Finite Blocklength. IEEE Communications Letters, 2016, 20, 324-327.	4.1	16
44	Terminal sliding mode control of master-slave system with Markovian jump parameters. , 2015, , .		1
45	Active Base Station Set Optimization for Minimal Energy Consumption in Green Cellular Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5340-5349.	6.3	25
46	Enhancing physical layer security through beamforming and noise injection. , 2014, , .		6
47	The analysis of estimation error of non-causal training based on a unified error model. , 2014, , .		0
48	Analytical evaluation of femtocell deployment in cellular networks using fractional frequency reuse. IET Communications, 2014, 8, 1599-1608.	2.2	10
49	A Novel Energy Saving Scheme Based on Base Stations Dynamic Configuration in Green Cellular Networks. , 2013, , .		8
50	Adaptive Power Ratio Updating Algorithm in Soft Frequency Reuse Scheme. , 2013, , .		3
51	Distributed base station mobility strategy and load balancing in wireless networks. , 2013, , .		1
52	A utilityâ€based loadâ€balancing scheme with guarantee of users' rate for LTE selfâ€organization networks. International Journal of Network Management, 2013, 23, 172-185.	2.2	2
53	A channel allocation algorithm with low admission delay for mobile base station networks. , 2013, , .		1
54	Resource allocation for load minimization jointly with admission control in OFDMA wireless networks. , 2013, , .		1

#	Article	IF	Citations
55	A Tone Reservation Method Combining Linear Clipping and PRT-Aided Detection Algorithm. , 2011, , .		0
56	Web Acceleration in Asymmetrical Mobile Network. Wireless Personal Communications, 2011, 58, 281-313.	2.7	0
57	Distributed Space-Time Codes Using Constellation Rotation. Wireless Personal Communications, 2011, 61, 161-177.	2.7	0
58	Compact NRD-Guide Switch by Using Schottky Barrier Diodes. Journal of Infrared, Millimeter and Terahertz Waves, 2003, 24, 1531-1538.	0.6	0
59	Coupling of NRD-Guide Filled with Low Permittivity Dielectric Between Waveguides. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 1331-1340.	0.6	0