

Pengcheng Zhu

List of Publications by Year in descending order

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54
papers

1,489
citations

623188

14
h-index

315357

38
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all docs

55
docs citations

55
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Transceiver Design for Network-Assisted Full-Duplex Systems With SWIPT. IEEE Systems Journal, 2022, 16, 1206-1216.	2.9	12
2	Fingerprint-Based Covariance Matrix Estimation for Cell-Free Distributed Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 416-420.	3.2	6
3	Beam Tracking for Distributed Millimeter-Wave Massive MIMO Systems Based on the Unscented Kalman Filter. IEEE Wireless Communications Letters, 2022, 11, 712-716.	3.2	4
4	Antenna Selection for Full-Duplex Distributed Massive MIMO via the Elite Preservation Genetic Algorithm. IEEE Communications Letters, 2022, 26, 922-926.	2.5	8
5	Load-Aware Dynamic Mode Selection for Network-Assisted Full-Duplex Cell-Free Large-Scale Distributed MIMO Systems. IEEE Access, 2022, 10, 22301-22310.	2.6	4
6	Optimization of the energy efficiency in Smart Internet of Vehicles assisted by MEC. Eurasip Journal on Advances in Signal Processing, 2022, 2022, .	1.0	8
7	Joint optimization of spectral efficiency and energy efficiency with low-precision ADCs in cell-free massive MIMO systems. Science China Information Sciences, 2022, 65, 1.	2.7	4
8	Robust Downlink Transmission for 6G LEO-MIMO Satellite Systems. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	1
9	Structured Tensor CP Decomposition-Aided Pilot Decontamination for UAV Communication in Cell-Free Massive MIMO Systems. IEEE Communications Letters, 2022, 26, 2156-2160.	2.5	4
10	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
11	Network-Assisted Full-Duplex Distributed Massive MIMO Systems With Beamforming Training Based CSI Estimation. IEEE Transactions on Wireless Communications, 2021, 20, 2190-2204.	6.1	18
12	Analysis and Optimization of Fog Radio Access Networks With Hybrid Caching: Delay and Energy Efficiency. IEEE Transactions on Wireless Communications, 2021, 20, 69-82.	6.1	14
13	Joint User Selection and Transceiver Design for Cell-Free With Network-Assisted Full Duplexing. IEEE Transactions on Wireless Communications, 2021, 20, 7856-7870.	6.1	24
14	Impacts of Asynchronous Reception on Cell-Free Distributed Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 11106-11110.	3.9	4
15	Fuzzy Logic Guided Load-Balanced User Association and Beamforming for Distributed mmWave Networks. IEEE Communications Letters, 2021, 25, 3634-3638.	2.5	1
16	Scalable Pilot Assignment Scheme for Cell-Free Large-Scale Distributed MIMO With Massive Access. IEEE Access, 2021, 9, 122107-122112.	2.6	7
17	Learning-Empowered Privacy Preservation in Beyond 5G Edge Intelligence Networks. IEEE Wireless Communications, 2021, 28, 12-18.	6.6	7
18	Privacy-Preserving Channel Estimation in Cell-Free Hybrid Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2021, 20, 3815-3830.	6.1	8

#	ARTICLE	IF	CITATIONS
19	Secure Computation Offloading for Multi-user Multi-server MEC-enabled IoT. , 2021, , .		2
20	Joint optimization of spectral efficiency for cell-free massive MIMO with network-assisted full duplexing. Science China Information Sciences, 2021, 64, 1.	2.7	16
21	Satellite-Assisted Cell-Free Massive MIMO Systems with Multi-Group Multicast. Sensors, 2021, 21, 6222.	2.1	1
22	Optimization of Duplex Mode Selection for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. IEEE Communications Letters, 2021, 25, 3649-3653.	2.5	8
23	Flexible Duplexing Mode Selection Optimization for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. , 2021, , .		0
24	Secrecy Energy Efficiency Optimization for Multi-User Distributed Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 915-929.	4.9	15
25	Performance of Network-Assisted Full-Duplex for Cell-Free Massive MIMO. IEEE Transactions on Communications, 2020, 68, 1464-1478.	4.9	77
26	Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. IEEE Transactions on Vehicular Technology, 2020, 69, 11128-11138.	3.9	14
27	Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. IEEE Transactions on Vehicular Technology, 2020, 69, 7569-7582.	3.9	19
28	Machine-Learning-Based Opportunistic Spectrum Access in Cognitive Radio Networks. IEEE Wireless Communications, 2020, 27, 38-44.	6.6	28
29	Transceiver Design for Large-scale DAS with Network Assisted Full Duplex. , 2020, , .		3
30	Joint utility optimization for wireless sensor networks with energy harvesting and cooperation. Science China Information Sciences, 2020, 63, 1.	2.7	10
31	A Pilot Allocation Algorithm Based on Coalitional Game Theory for Distributed MIMO Systems. IEEE Access, 2019, 7, 105996-106001.	2.6	10
32	Analysis and Optimization of Ambiguity Function in Radar-Communication Integrated Systems Using MPSK-DSSS. IEEE Wireless Communications Letters, 2019, 8, 1546-1549.	3.2	20
33	Sparse Beamforming for an Ultradensely Distributed Antenna System With Interlaced Clustering. IEEE Access, 2019, 7, 15069-15085.	2.6	1
34	Large System Performance and Distributed Scheme of Downlink Beamforming in F-RANs With Distributed Antennas. IEEE Access, 2019, 7, 33441-33453.	2.6	6
35	Energy Optimization Algorithms for MIMO-OFDM Based Downlink C-RAN System. IEEE Access, 2019, 7, 17927-17934.	2.6	3
36	Deep Learning-Based Pilot Design for Multi-User Distributed Massive MIMO Systems. IEEE Wireless Communications Letters, 2019, 8, 1016-1019.	3.2	41

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37	Energy Efficiency Optimization of Distributed Massive MIMO Systems Under Ergodic QoS and Per-RAU Power Constraints. IEEE Access, 2019, 7, 5001-5013.	2.6	6
38	Analysis of Delay and Energy Efficiency in Fog Radio Access Networks with Hybrid Caching. , 2019, , .		2
39	DOTS: Delay-Optimal Task Scheduling Among Voluntary Nodes in Fog Networks. IEEE Internet of Things Journal, 2019, 6, 3533-3544.	5.5	35
40	Impacts of practical channel impairments on the downlink spectral efficiency of large-scale distributed antenna systems. Science China Information Sciences, 2019, 62, 1.	2.7	9
41	Energy efficient joint energy cooperation and power allocation in multiuser distributed antenna systems with hybrid energy supply. IET Communications, 2019, 13, 153-161.	1.5	7
42	Benefits of Beamforming Training Scheme in Distributed Large-Scale MIMO Systems. IEEE Access, 2018, 6, 7432-7444.	2.6	12
43	Downlink Spectral Efficiency of Distributed Massive MIMO Systems With Linear Beamforming Under Pilot Contamination. IEEE Transactions on Vehicular Technology, 2018, 67, 1130-1145.	3.9	54
44	Downlink Spectral Efficiency Analysis in Distributed Massive MIMO with Phase Noise. Electronics (Switzerland), 2018, 7, 317.	1.8	3
45	Pilot Decontamination based on Pilot Allocation for Large-Scale Distributed Antenna Systems. , 2018, , .		1
46	Spectral and Energy Efficiency of Distributed Massive MIMO with Low-Resolution ADC. Electronics (Switzerland), 2018, 7, 391.	1.8	5
47	Downlink Transmission Strategies in Power-Splitting SWIPT Distributed MISO Systems. IEEE Access, 2018, 6, 52997-53005.	2.6	6
48	Energy Efficiency Optimization for MIMO Distributed Antenna Systems With Pilot Contamination. IEEE Access, 2018, 6, 24157-24170.	2.6	10
49	Spectral Efficiency Analysis for Bidirectional Dynamic Network With Massive MIMO Under Imperfect CSI. IEEE Access, 2018, 6, 43660-43671.	2.6	9
50	Spectral efficiency analysis of large-scale distributed antenna system in a composite correlated Rayleigh fading channel. IET Communications, 2015, 9, 681-688.	1.5	28
51	Downlink spectral efficiency of multi-cell multi-user large-scale DAS with pilot contamination. , 2015, , .		6
52	Performance analysis of MIMO beamforming with imperfect feedback. International Journal of Communication Systems, 2014, 27, 2110-2120.	1.6	5
53	Spectral efficiency analysis of single-cell multi-user large-scale distributed antenna system. IET Communications, 2014, 8, 2213-2221.	1.5	25
54	Scalable video broadcast over multiuser OFDM systems. , 2012, , .		0