

# Dongming Wang

## List of Publications by Year in descending order

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63  
papers

1,759  
citations

516215

16  
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276539

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all docs

63  
docs citations

63  
times ranked

1260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fingerprint-Based Covariance Matrix Estimation for Cell-Free Distributed Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 416-420.	3.2	6
2	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
3	A 48 GHz Fundamental Frequency PLL with Quadrature Clock Generation for 60 GHz Transceiver. Electronics (Switzerland), 2022, 11, 415.	1.8	4
4	Deep Reinforcement Learning Approach for Joint Trajectory Design in Multi-UAV IoT Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 3389-3394.	3.9	16
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	Robust Downlink Transmission for 6G LEO-MIMO Satellite Systems. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	1
7	Coverage and Spectral Efficiency of Network Assisted Full Duplex in a Millimeter Wave System. Electronics (Switzerland), 2022, 11, 5.	1.8	2
8	Performance of Multiuser Downlink Cell-Free Massive MIMO Systems With Hard Deadlines. IEEE Access, 2022, 10, 62910-62919.	2.6	4
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	Performance Analysis of Cell-Free Massive MIMO System with Network-Assisted Full-Duplex under Time-Shifting Pilot Scheme. Electronics (Switzerland), 2022, 11, 2171.	1.8	1
11	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
12	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
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	Spectral Efficiency of Network-Assisted Full-Duplex for Cell-Free Massive MIMO System Under Pilot Contamination. IEEE Access, 2021, 9, 110826-110841.	2.6	6
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	Terahertz Ultra-Massive MIMO-Based Aeronautical Communications in Space-Air-Ground Integrated Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1741-1767.	9.7	46
18	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

#	ARTICLE	IF	CITATIONS
19	Satellite-Assisted Cell-Free Massive MIMO Systems with Multi-Group Multicast. <i>Sensors</i> , 2021, 21, 6222.	2.1	1
20	Optimization of Duplex Mode Selection for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. <i>IEEE Communications Letters</i> , 2021, 25, 3649-3653.	2.5	8
21	Massive Distributed MIMO and Cell-Free Network-Assisted Full Duplex. , 2021, , 167-189.		0
22	Flexible Duplexing Mode Selection Optimization for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. , 2021, , .		0
23	A K-band Up-conversion Mixer in 65nm CMOS. , 2021, , .		1
24	Performance of Network-Assisted Full-Duplex for Cell-Free Massive MIMO. <i>IEEE Transactions on Communications</i> , 2020, 68, 1464-1478.	4.9	77
25	Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 11128-11138.	3.9	14
26	Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 7569-7582.	3.9	19
27	Hybrid beamforming design for mmWave OFDM distributed antenna systems. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	12
28	Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 12921-12937.	3.9	16
29	Performance and Measurement Analysis of a Commercial 5G Millimeter-Wave Network. <i>IEEE Access</i> , 2020, 8, 163996-164011.	2.6	10
30	A 31.5-to-40.5 GHz injection-locked CMOS frequency tripler with injection-current enhancement technique. <i>IEICE Electronics Express</i> , 2020, 17, 20200061-20200061.	0.3	0
31	A 32-GHz Nested-PLL-Based FMCW Modulator With 2.16-GHz Bandwidth in a 65-nm CMOS Process. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2020, 28, 1600-1609.	2.1	6
32	Transceiver Design for Large-scale DAS with Network Assisted Full Duplex. , 2020, , .		3
33	A $\sim 193.6$ dBc/Hz FoM 28.6-to-36.2 GHz Dual-Core CMOS VCO for 5G Applications. <i>IEEE Access</i> , 2020, 8, 62191-62196.	2.6	10
34	A Reinforcement Learning and Blockchain-Based Trust Mechanism for Edge Networks. <i>IEEE Transactions on Communications</i> , 2020, 68, 5460-5470.	4.9	76
35	Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 15500-15517.	3.9	9
36	60 GHz CMOS VCO with Transformer Feedback Techniques. , 2020, , .		0

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37	Joint Processing of Pilot and Data for Massive MIMO Systems in Ricean Fading Channels. IEEE Access, 2019, 7, 83615-83627.	2.6	3
38	Large System Performance and Distributed Scheme of Downlink Beamforming in F-RANs With Distributed Antennas. IEEE Access, 2019, 7, 33441-33453.	2.6	6
39	28-GHz CMOS VCO With Capacitive Splitting and Transformer Feedback Techniques for 5G Communication. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 2088-2095.	2.1	26
40	Interference Analysis in the Asynchronous f-OFDM Systems. IEEE Transactions on Communications, 2019, 67, 3580-3596.	4.9	27
41	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
42	ADMM Enabled Hybrid Precoding in Wideband Distributed Phased Arrays Based MIMO Systems. , 2019, , .		5
43	Spectral Efficiency Analysis of Network-Assisted Full Duplexing for Large-Scale Distributed Antenna Systems. , 2019, , .		1
44	IEEE Access Special Section Editorial: Secure Modulations for Future Wireless Communications and Mobile Networks. IEEE Access, 2019, 7, 181942-181946.	2.6	0
45	mmWave communications for 5G: implementation challenges and advances. Science China Information Sciences, 2018, 61, 1.	2.7	43
46	Benefits of Beamforming Training Scheme in Distributed Large-Scale MIMO Systems. IEEE Access, 2018, 6, 7432-7444.	2.6	12
47	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
48	A Fractional-N Divider for Phase-Locked Loop with Delta-Sigma Modulator and Phase-Lag Selector. , 2018, , .		4
49	Design of Improved Phase Frequency Detector and Charge-Pump for a 12-18 GHz CMOS PLL. , 2018, , .		2
50	Uplink spectral efficiency analysis of multi-cell multi-user massive MIMO over correlated Ricean channel. Science China Information Sciences, 2018, 61, 1.	2.7	10
51	Uplink Spectral Efficiency Analysis of Distributed Massive MIMO with Channel Impairments. IEEE Access, 2017, , 1-1.	2.6	19
52	Bidirectional dynamic networks with massive MIMO: performance analysis. IET Communications, 2017, 11, 468-476.	1.5	15
53	Antenna Clustering for Bidirectional Dynamic Network With Large-Scale Distributed Antenna Systems. IEEE Access, 2017, 5, 4037-4047.	2.6	24
54	A compact wide-locking range divide-by-4 static divider for mm-wave applications. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
55	Design of Pilot Assignment for Large-Scale Distributed Antenna Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1674-1682.	0.2	8
56	A 50GHz VCO in 65nm LP CMOS for mm-wave applications. , 2016, , .		0
57	A new transceiver design based on weighted sum-MSE criterion for multi-cell MIMO interfering broadcast channels. , 2015, , .		0
58	An efficient interference mitigating scheme for cognitive radio networks: From the perspective of space pooling. , 2015, , .		0
59	On Power Allocation for Incremental Redundancy Hybrid ARQ. IEEE Transactions on Wireless Communications, 2015, 14, 1506-1518.	6.1	8
60	Robust Beamforming for Joint Transceiver Design in <i>K</i>-User Interference Channel over Energy Efficient 5G. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1860-1864.	0.2	1
61	Spectral efficiency analysis of single-cell multi-user large-scale distributed antenna system. IET Communications, 2014, 8, 2213-2221.	1.5	25
62	Uplink sum-rate analysis of multi-cell multi-user massive MIMO system. , 2013, , .		36
63	Spectral Efficiency of Distributed MIMO Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 2112-2127.	9.7	135