## **Dongming Wang**

List of Publications by Year in descending order

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Version: 2024-02-01



| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Fingerprint-Based Covariance Matrix Estimation for Cell-Free Distributed Massive MIMO Systems. IEEE<br>Wireless Communications Letters, 2022, 11, 416-420.                       | 5.0  | 6         |
| 2  | Beam Tracking for Distributed Millimeter-Wave Massive MIMO Systems Based on the Unscented Kalman<br>Filter. IEEE Wireless Communications Letters, 2022, 11, 712-716.             | 5.0  | 4         |
| 3  | A 48 GHz Fundamental Frequency PLL with Quadrature Clock Generation for 60 GHz Transceiver.<br>Electronics (Switzerland), 2022, 11, 415.   | 3.1  | 4         |
| 4  | Deep Reinforcement Learning Approach for Joint Trajectory Design in Multi-UAV IoT Networks. IEEE<br>Transactions on Vehicular Technology, 2022, 71, 3389-3394.                   | 6.3  | 16        |
| 5  | Load-Aware Dynamic Mode Selection for Network-Assisted Full-Duplex Cell-Free Large-Scale<br>Distributed MIMO Systems. IEEE Access, 2022, 10, 22301-22310.                        | 4.2  | 4         |
| 6  | Robust Downlink Transmission for 6G LEO-MIMO Satellite Systems. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.  | 1.2  | 1         |
| 7  | Coverage and Spectral Efficiency of Network Assisted Full Duplex in a Millimeter Wave System.<br>Electronics (Switzerland), 2022, 11, 5.   | 3.1  | 2         |
| 8  | Performance of Multiuser Downlink Cell-Free Massive MIMO Systems With Hard Deadlines. IEEE<br>Access, 2022, 10, 62910-62919.   | 4.2  | 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.        | 4.1  | 4         |
| 10 | Performance Analysis of Cell-Free Massive MIMO System with Network-Assisted Full-Duplex under<br>Time-Shifting Pilot Scheme. Electronics (Switzerland), 2022, 11, 2171.          | 3.1  | 1         |
| 11 | Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.                             | 4.3  | 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. | 9.2  | 18        |
| 13 | Joint User Selection and Transceiver Design for Cell-Free With Network-Assisted Full Duplexing. IEEE<br>Transactions on Wireless Communications, 2021, 20, 7856-7870.            | 9.2  | 24        |
| 14 | Impacts of Asynchronous Reception on Cell-Free Distributed Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 11106-11110.                               | 6.3  | 4         |
| 15 | Spectral Efficiency of Network-Assisted Full-Duplex for Cell-Free Massive MIMO System Under Pilot<br>Contamination. IEEE Access, 2021, 9, 110826-110841.                         | 4.2  | 6         |
| 16 | Scalable Pilot Assignment Scheme for Cell-Free Large-Scale Distributed MIMO With Massive Access.<br>IEEE Access, 2021, 9, 122107-122112.   | 4.2  | 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.   | 14.0 | 46        |
| 18 | Joint optimization of spectral efficiency for cell-free massive MIMO with network-assisted full duplexing. Science China Information Sciences, 2021, 64, 1.                      | 4.3  | 16        |

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|----|--|-----|-----------|
| 19 | Satellite-Assisted Cell-Free Massive MIMO Systems with Multi-Group Multicast. Sensors, 2021, 21, 6222.   | 3.8 | 1         |
| 20 | Optimization of Duplex Mode Selection for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. IEEE Communications Letters, 2021, 25, 3649-3653.                         | 4.1 | 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. IEEE Transactions on Communications, 2020, 68, 1464-1478.  | 7.8 | 77        |
| 25 | Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. IEEE Transactions<br>on Vehicular Technology, 2020, 69, 11128-11138.                          | 6.3 | 14        |
| 26 | Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full<br>Duplex. IEEE Transactions on Vehicular Technology, 2020, 69, 7569-7582.           | 6.3 | 19        |
| 27 | Hybrid beamforming design for mmWave OFDM distributed antenna systems. Science China<br>Information Sciences, 2020, 63, 1.   | 4.3 | 12        |
| 28 | Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless<br>Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 12921-12937.   | 6.3 | 16        |
| 29 | Performance and Measurement Analysis of a Commercial 5G Millimeter-Wave Network. IEEE Access, 2020, 8, 163996-164011.  | 4.2 | 10        |
| 30 | A 31.5-to-40.5 GHz injection-locked CMOS frequency tripler with injection-current enhancement technique. IEICE Electronics Express, 2020, 17, 20200061-20200061.                 | 0.8 | 0         |
| 31 | A 32-GHz Nested-PLL-Based FMCW Modulator With 2.16-GHz Bandwidth in a 65-nm CMOS Process. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 1600-1609. | 3.1 | 6         |
| 32 | Transceiver Design for Large-scale DAS with Network Assisted Full Duplex. , 2020, , .  |     | 3         |
| 33 | A â^`193.6 dBc/Hz FoM <sub>T</sub> 28.6-to-36.2 GHz Dual-Core CMOS VCO for 5G Applications. IEEE<br>Access, 2020, 8, 62191-62196.  | 4.2 | 10        |
| 34 | A Reinforcement Learning and Blockchain-Based Trust Mechanism for Edge Networks. IEEE<br>Transactions on Communications, 2020, 68, 5460-5470.                                    | 7.8 | 76        |
| 35 | Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. IEEE Transactions on Vehicular Technology, 2020, 69, 15500-15517.                                | 6.3 | 9         |
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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.   | 4.2 | 3         |
| 38 | Large System Performance and Distributed Scheme of Downlink Beamforming in F-RANs With Distributed Antennas. IEEE Access, 2019, 7, 33441-33453.   | 4.2 | 6         |
| 39 | 28-GHz CMOS VCO With Capacitive Splitting and Transformer Feedback Techniques for 5G<br>Communication. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 2088-2095. | 3.1 | 26        |
| 40 | Interference Analysis in the Asynchronous f-OFDM Systems. IEEE Transactions on Communications, 2019, 67, 3580-3596.   | 7.8 | 27        |
| 41 | Energy Efficiency Optimization of Distributed Massive MIMO Systems Under Ergodic QoS and Per-RAU<br>Power Constraints. IEEE Access, 2019, 7, 5001-5013.                                       | 4.2 | 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<br>Systems. , 2019, , .   |     | 1         |
| 44 | IEEE Access Special Section Editorial: Secure Modulations for Future Wireless Communications and Mobile Networks. IEEE Access, 2019, 7, 181942-181946.  | 4.2 | 0         |
| 45 | mmWave communications for 5G: implementation challenges and advances. Science China Information Sciences, 2018, 61, 1.  | 4.3 | 43        |
| 46 | Benefits of Beamforming Training Scheme in Distributed Large-Scale MIMO Systems. IEEE Access, 2018, 6,<br>7432-7444.  | 4.2 | 12        |
| 47 | Downlink Spectral Efficiency of Distributed Massive MIMO Systems With Linear Beamforming Under<br>Pilot Contamination. IEEE Transactions on Vehicular Technology, 2018, 67, 1130-1145.        | 6.3 | 54        |
| 48 | A Fractional-N Divider for Phase-Locked Loop with Delta-Sigma Modulator and Phase-Lag Selector. ,<br>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.                                    | 4.3 | 10        |
| 51 | Uplink Spectral Efficiency Analysis of Distributed Massive MIMO with Channel Impairments. IEEE Access, 2017, , 1-1.   | 4.2 | 19        |
| 52 | Bidirectional dynamic networks with massive MIMO: performance analysis. IET Communications, 2017, 11, 468-476.  | 2.2 | 15        |
| 53 | Antenna Clustering for Bidirectional Dynamic Network With Large-Scale Distributed Antenna Systems.<br>IEEE Access, 2017, 5, 4037-4047.  | 4.2 | 24        |
| 54 | A compact wide-locking range divide-by-4 static divider for mm-wave applications. , 2016, , .   |     | 2         |

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| #  | 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.  | 0.3  | 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<br>Communications, 2015, 14, 1506-1518.  | 9.2  | 8         |
| 60 | Robust Beamforming for Joint Transceiver Design in <i>K</i> -User Interference Channel over<br>Energy Efficient 5G. IEICE Transactions on Fundamentals of Electronics, Communications and<br>Computer Sciences, 2015, E98.A, 1860-1864. | 0.3  | 1         |
| 61 | Spectral efficiency analysis of singleâ€cell multiâ€user largeâ€scale distributed antenna system. IET<br>Communications, 2014, 8, 2213-2221.  | 2.2  | 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.   | 14.0 | 135       |