

Weile Zhang

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Distributed Angle Estimation for Localization in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 527-537. | 9.2 | 83 |
| 2 | Blind Carrier Frequency Offset Estimation for Interleaved OFDMA Uplink. IEEE Transactions on Signal Processing, 2012, 60, 3616-3627. | 5.3 | 69 |
| 3 | Frequency Synchronization for Uplink Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 235-249. | 9.2 | 65 |
| 4 | High-Mobility Wideband Massive MIMO Communications: Doppler Compensation, Analysis and Scaling Laws. IEEE Transactions on Wireless Communications, 2019, 18, 3177-3191. | 9.2 | 48 |
| 5 | Blind Frequency Synchronization for Multiuser OFDM Uplink With Large Number of Receive Antennas. IEEE Transactions on Signal Processing, 2016, 64, 2255-2268. | 5.3 | 47 |
| 6 | Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. IEEE Transactions on Communications, 2020, 68, 1271-1283. | 7.8 | 47 |
| 7 | High-Mobility OFDM Downlink Transmission With Large-Scale Antenna Array. IEEE Transactions on Vehicular Technology, 2017, 66, 8600-8604. | 6.3 | 41 |
| 8 | Blind Maximum Likelihood Carrier Frequency Offset Estimation for OFDM With Multi-Antenna Receiver. IEEE Transactions on Signal Processing, 2013, 61, 2295-2307. | 5.3 | 30 |
| 9 | Computationally Efficient Blind Estimation of Carrier Frequency Offset for MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7644-7656. | 9.2 | 30 |
| 10 | Detection of Pilot Contamination Attack based on Uncoordinated Frequency Shifts. IEEE Transactions on Communications, 2018, 66, 2658-2670. | 7.8 | 28 |
| 11 | Angle-Domain Approach for Parameter Estimation in High-Mobility OFDM With Fully/Partly Calibrated Massive ULA. IEEE Transactions on Wireless Communications, 2019, 18, 591-607. | 9.2 | 28 |
| 12 | Time-Varying Massive MIMO Channel Estimation: Capturing, Reconstruction, and Restoration. IEEE Transactions on Communications, 2019, 67, 7558-7572. | 7.8 | 24 |
| 13 | Interference-aware spectrum handover for cognitive radio networks. Wireless Communications and Mobile Computing, 2014, 14, 1099-1112. | 1.2 | 21 |
| 14 | Beamforming Network Optimization for Reducing Channel Time Variation in High-Mobility Massive MIMO. IEEE Transactions on Communications, 2019, 67, 6781-6795. | 7.8 | 21 |
| 15 | Blind Closed-Form Carrier Frequency Offset Estimation for OFDM With Multi-Antenna Receiver. IEEE Transactions on Vehicular Technology, 2015, 64, 3850-3856. | 6.3 | 19 |
| 16 | One-Shot Blind CFO and Channel Estimation for OFDM With Multi-Antenna Receiver. IEEE Transactions on Signal Processing, 2014, 62, 3799-3808. | 5.3 | 18 |
| 17 | Angle-Domain Doppler Pre-Compensation for High-Mobility OFDM Uplink with Massive ULA. , 2017, , . | | 17 |
| 18 | Scattered Pilots-Based Frequency Synchronization for Multiuser OFDM Systems With Large Number of Receive Antennas. IEEE Transactions on Communications, 2017, 65, 1733-1745. | 7.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Frequency Synchronization for Massive MIMO Multi-User Uplink. , 2016, , . | | 15 |
| 20 | High-Mobility Massive MIMO With Beamforming Network Optimization: Doppler Spread Analysis and Scaling Law. IEEE Journal on Selected Areas in Communications, 2020, 38, 2889-2902. | 14.0 | 14 |
| 21 | Blind Fast CFO Estimation and Performance Analysis for OFDM. IEEE Transactions on Vehicular Technology, 2020, 69, 11501-11514. | 6.3 | 14 |
| 22 | Frequency Synchronization for Uplink Massive MIMO With Adaptive MUI Suppression in Angle Domain. IEEE Transactions on Signal Processing, 2019, 67, 2143-2158. | 5.3 | 13 |
| 23 | Minimization of Secrecy Outage Probability With Artificial-Noise-Aided Beamforming for MISO Wiretap Channels. IEEE Communications Letters, 2020, 24, 401-404. | 4.1 | 13 |
| 24 | GLRT Approach for Multi-Antenna-Based Spectrum Sensing Under Interference. IEEE Communications Letters, 2020, 24, 1524-1528. | 4.1 | 12 |
| 25 | Radio interferometric localization of WSNs based on Doppler effect. Science China Information Sciences, 2010, 53, 158-167. | 4.3 | 10 |
| 26 | Phase-Detection-Based Range Estimation With Robust Chinese Remainder Theorem. IEEE Transactions on Vehicular Technology, 2016, 65, 10132-10137. | 6.3 | 10 |
| 27 | Robust multi-branch space-time beamforming for OFDM system with interference. , 2017, 65, 63-70. | | 10 |
| 28 | High-Mobility OFDM Downlink Transmission with Partly Calibrated Subarray-Based Massive Uniform Linear Array. , 2017, , . | | 10 |
| 29 | Joint CFO and I/Q Imbalance Estimation for OFDM Systems Exploiting Constant Modulus Subcarriers. IEEE Transactions on Vehicular Technology, 2018, 67, 10076-10080. | 6.3 | 10 |
| 30 | Blind Frequency Synchronization for OFDM Systems With I/Q Imbalance. IEEE Transactions on Vehicular Technology, 2017, 66, 7862-7876. | 6.3 | 9 |
| 31 | Frequency Synchronization in Distributed Antenna Systems: Pairing-Based Multi-CFO Estimation, Theoretical Analysis, and Optimal Pairing Scheme. IEEE Transactions on Communications, 2019, 67, 2924-2938. | 7.8 | 8 |
| 32 | Blind CFO estimation for multiuser OFDM uplink with large number of receive antennas. , 2016, , . | | 7 |
| 33 | Computationally Efficient Blind CFO Estimation for Massive MIMO Uplink. IEEE Transactions on Vehicular Technology, 2018, 67, 7795-7799. | 6.3 | 7 |
| 34 | Alamouti Coding Scheme for AF Relaying With Doppler Shifts. IEEE Transactions on Vehicular Technology, 2013, 62, 1241-1250. | 6.3 | 6 |
| 35 | Frequency Synchronization for Multi-User MIMO Without Cyclic-Prefix Based on Space-Time Equalization. IEEE Wireless Communications Letters, 2017, 6, 426-429. | 5.0 | 6 |
| 36 | Degree-of-Freedom Strengthened Cascade Array for DOD-DOA Estimation in MIMO Array Systems. Sensors, 2018, 18, 1557. | 3.8 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Space-Frequency Convolutional Coding for Frequency-Asynchronous AF Relay Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2412-2418. | 6.3 | 5 |
| 38 | An Adaptive Transmission Scheme for Slow Fading Wiretap Channel with Channel Estimation Errors. , 2016, , . | | 4 |
| 39 | Joint Attitude and Power Optimization for UAV-Aided Downlink Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 12437-12442. | 6.3 | 4 |
| 40 | Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3486-3490. | 6.3 | 4 |
| 41 | Angle-Domain Frequency Synchronization for Massive MIMO Uplink with Adaptive MUI Suppression. , 2018, , . | | 3 |
| 42 | Radiation Efficiency Aware High-Mobility Massive MIMO With Antenna Selection. IEEE Transactions on Vehicular Technology, 2019, 68, 11363-11367. | 6.3 | 3 |
| 43 | A Beamforming Scheme With Doppler Suppression for High-Mobility Wireless Communications. IEEE Wireless Communications Letters, 2020, 9, 1768-1772. | 5.0 | 3 |
| 44 | Algorithm and Performance Analysis for Frame Detection Based on Matched Filtering. IEEE Access, 2020, 8, 40559-40572. | 4.2 | 3 |
| 45 | Blind multiple carrier frequency offsets estimation for OFDM with distributed multi-antenna receiver. , 2017, , . | | 2 |
| 46 | Nonadaptive Transmission for Slow Fading MISOSE Wiretap Channel with Adjustable Power Allocation. , 2017, , . | | 2 |
| 47 | On Adaptive Length of Temporal Filter for Space-Time Equalization With Cochannel Interference. IEEE Signal Processing Letters, 2018, 25, 999-1003. | 3.6 | 2 |
| 48 | User-Coupling Angle-Domain Adaptive Filtering Based Frequency Synchronization for Massive MIMO Multiuser Uplink. IEEE Access, 2019, 7, 98034-98044. | 4.2 | 2 |
| 49 | High-Mobility CoMP Massive MIMO Uplink Transmissions: Channel PSD Analysis and Doppler Spread Suppression. IEEE Access, 2020, 8, 5787-5796. | 4.2 | 2 |
| 50 | Channel Time-Variation Suppression With Optimized Receive Beamforming for High-Mobility OFDM Downlink Transmissions. IEEE Transactions on Communications, 2022, 70, 1183-1196. | 7.8 | 2 |
| 51 | Blind frequency synchronization for OFDM system with I/Q imbalance. , 2016, , . | | 1 |
| 52 | Burst-Interference Suppression Based on Space-Time Processing. IEEE Access, 2018, 6, 2712-2719. | 4.2 | 1 |
| 53 | Frame Arrival Detection for Low SNR Frequency Selective Fading Channels. , 2018, , . | | 1 |
| 54 | Adaptive Space-Frequency Equalization for SC-FDE Systems With Interference. IEEE Access, 2019, 7, 74149-74156. | 4.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Minimization of Secrecy Outage Probability with Single-Antenna Uncoordinated Cooperative Jamming. , 2019, , . | | 1 |
| 56 | Precoding Optimization for NOMA UAV with Cellular Connections. , 2019, , . | | 1 |
| 57 | Sparsity-Aware Direct Equalization of Time-Varying Channels for V2V Communications. IEEE Wireless Communications Letters, 2021, 10, 387-391. | 5.0 | 1 |
| 58 | Peak-to-Average Power Ratio Reduction for High-Mobility Massive MIMO With Angle-Domain Doppler Suppression. IEEE Wireless Communications Letters, 2021, 10, 735-739. | 5.0 | 1 |
| 59 | Multiuser Carrier Frequency Offset Estimation for OFDMA Uplink Based on Multi-Antenna. IEICE Transactions on Communications, 2010, E93-B, 1276-1279. | 0.7 | 1 |
| 60 | Low Complexity Cooperative Transmission Design and Optimization for Physical Layer Security of AF Relay Networks. IEICE Transactions on Communications, 2014, E97.B, 1113-1120. | 0.7 | 0 |
| 61 | Feedback based two-phase transmission for secure SIMO communications. , 2015, , . | | 0 |
| 62 | Improving physical layer security for wireless ad hoc networks via full-duplex receiver jamming. , 2017, , . | | 0 |
| 63 | A nonadaptive transmission scheme in slow fading wiretap channels with adjustable transmit power under secrecy outage constraint. , 2017, , . | | 0 |
| 64 | Secrecy CPS Transmission Scheme for Slow Fading Independent Parallel Wiretap Channels with New SOP Constraint. , 2018, , . | | 0 |
| 65 | Doppler Spread Suppression for Massive MIMO High-Mobility CoMP Uplink Transmission. , 2019, , . | | 0 |
| 66 | User-Coupling Angle-Domain Adaptive Filtering based Multiuser MIMO Frequency Synchronization. , 2019, , . | | 0 |
| 67 | Low Complexity Anti-Interference Equalization for Broadband Single-Carrier Systems with Transmit Diversity. IEEE Transactions on Vehicular Technology, 2021, , 1-1. | 6.3 | 0 |
| 68 | Diversity Combination in Multiuser Decode-and-Forward Cooperation with Multiple Shared Relays. IEICE Transactions on Communications, 2011, E94-B, 1491-1494. | 0.7 | 0 |
| 69 | Time and Frequency Synchronization in OFDM Systems. , 2018, , 1-5. | | 0 |
| 70 | Time and Frequency Synchronization in OFDM Systems. , 2020, , 1395-1400. | | 0 |