

Weile Zhang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Sparsity-Aware Direct Equalization of Time-Varying Channels for V2V Communications. IEEE Wireless Communications Letters, 2021, 10, 387-391.	5.0	1
3	Low Complexity Anti-Interference Equalization for Broadband Single-Carrier Systems with Transmit Diversity. IEEE Transactions on Vehicular Technology, 2021, , 1-1.	6.3	0
4	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
5	Minimization of Secrecy Outage Probability With Artificial-Noise-Aided Beamforming for MISO Wiretap Channels. IEEE Communications Letters, 2020, 24, 401-404.	4.1	13
6	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. IEEE Transactions on Communications, 2020, 68, 1271-1283.	7.8	47
7	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
8	A Beamforming Scheme With Doppler Suppression for High-Mobility Wireless Communications. IEEE Wireless Communications Letters, 2020, 9, 1768-1772.	5.0	3
9	Blind Fast CFO Estimation and Performance Analysis for OFDM. IEEE Transactions on Vehicular Technology, 2020, 69, 11501-11514.	6.3	14
10	GLRT Approach for Multi-Antenna-Based Spectrum Sensing Under Interference. IEEE Communications Letters, 2020, 24, 1524-1528.	4.1	12
11	High-Mobility CoMP Massive MIMO Uplink Transmissions: Channel PSD Analysis and Doppler Spread Suppression. IEEE Access, 2020, 8, 5787-5796.	4.2	2
12	Frequency Synchronization With Beamforming Network Optimization for Uplink Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3486-3490.	6.3	4
13	Algorithm and Performance Analysis for Frame Detection Based on Matched Filtering. IEEE Access, 2020, 8, 40559-40572.	4.2	3
14	Time and Frequency Synchronization in OFDM Systems. , 2020, , 1395-1400.		0
15	Beamforming Network Optimization for Reducing Channel Time Variation in High-Mobility Massive MIMO. IEEE Transactions on Communications, 2019, 67, 6781-6795.	7.8	21
16	Joint Attitude and Power Optimization for UAV-Aided Downlink Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 12437-12442.	6.3	4
17	User-Coupling Angle-Domain Adaptive Filtering Based Frequency Synchronization for Massive MIMO Multiuser Uplink. IEEE Access, 2019, 7, 98034-98044.	4.2	2
18	Time-Varying Massive MIMO Channel Estimation: Capturing, Reconstruction, and Restoration. IEEE Transactions on Communications, 2019, 67, 7558-7572.	7.8	24

#	ARTICLE	IF	CITATIONS
19	Adaptive Space-Frequency Equalization for SC-FDE Systems With Interference. IEEE Access, 2019, 7, 74149-74156.	4.2	1
20	High-Mobility Wideband Massive MIMO Communications: Doppler Compensation, Analysis and Scaling Laws. IEEE Transactions on Wireless Communications, 2019, 18, 3177-3191.	9.2	48
21	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
22	Doppler Spread Suppression for Massive MIMO High-Mobility CoMP Uplink Transmission. , 2019, , .		0
23	User-Coupling Angle-Domain Adaptive Filtering based Multiuser MIMO Frequency Synchronization. , 2019, , .		0
24	Minimization of Secrecy Outage Probability with Single-Antenna Uncoordinated Cooperative Jamming. , 2019, , .		1
25	Radiation Efficiency Aware High-Mobility Massive MIMO With Antenna Selection. IEEE Transactions on Vehicular Technology, 2019, 68, 11363-11367.	6.3	3
26	Precoding Optimization for NOMA UAV with Cellular Connections. , 2019, , .		1
27	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
28	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
29	Burst-Interference Suppression Based on Space-Time Processing. IEEE Access, 2018, 6, 2712-2719.	4.2	1
30	Detection of Pilot Contamination Attack based on Uncoordinated Frequency Shifts. IEEE Transactions on Communications, 2018, 66, 2658-2670.	7.8	28
31	Frequency Synchronization for Uplink Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 235-249.	9.2	65
32	Computationally Efficient Blind CFO Estimation for Massive MIMO Uplink. IEEE Transactions on Vehicular Technology, 2018, 67, 7795-7799.	6.3	7
33	Frame Arrival Detection for Low SNR Frequency Selective Fading Channels. , 2018, , .		1
34	Angle-Domain Frequency Synchronization for Massive MIMO Uplink with Adaptive MUI Suppression. , 2018, , .		3
35	Secrecy CPS Transmission Scheme for Slow Fading Independent Parallel Wiretap Channels with New SOP Constraint. , 2018, , .		0
36	On Adaptive Length of Temporal Filter for Space-Time Equalization With Cochannel Interference. IEEE Signal Processing Letters, 2018, 25, 999-1003.	3.6	2

#	ARTICLE	IF	CITATIONS
37	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
38	Degree-of-Freedom Strengthened Cascade Array for DOD-DOA Estimation in MIMO Array Systems. Sensors, 2018, 18, 1557.	3.8	6
39	Time and Frequency Synchronization in OFDM Systems. , 2018, , 1-5.		0
40	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
41	High-Mobility OFDM Downlink Transmission With Large-Scale Antenna Array. IEEE Transactions on Vehicular Technology, 2017, 66, 8600-8604.	6.3	41
42	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
43	Robust multi-branch space-time beamforming for OFDM system with interference. , 2017, 65, 63-70.		10
44	Blind Frequency Synchronization for OFDM Systems With I/Q Imbalance. IEEE Transactions on Vehicular Technology, 2017, 66, 7862-7876.	6.3	9
45	Improving physical layer security for wireless ad hoc networks via full-duplex receiver jamming. , 2017, , .		0
46	Blind multiple carrier frequency offsets estimation for OFDM with distributed multi-antenna receiver. , 2017, , .		2
47	High-Mobility OFDM Downlink Transmission with Partly Calibrated Subarray-Based Massive Uniform Linear Array. , 2017, , .		10
48	A nonadaptive transmission scheme in slow fading wiretap channels with adjustable transmit power under secrecy outage constraint. , 2017, , .		0
49	Nonadaptive Transmission for Slow Fading MISOSE Wiretap Channel with Adjustable Power Allocation. , 2017, , .		2
50	Angle-Domain Doppler Pre-Compensation for High-Mobility OFDM Uplink with Massive ULA. , 2017, , .		17
51	Frequency Synchronization for Massive MIMO Multi-User Uplink. , 2016, , .		15
52	An Adaptive Transmission Scheme for Slow Fading Wiretap Channel with Channel Estimation Errors. , 2016, , .		4
53	Blind frequency synchronization for OFDM system with I/Q imbalance. , 2016, , .		1
54	Phase-Detection-Based Range Estimation With Robust Chinese Remainder Theorem. IEEE Transactions on Vehicular Technology, 2016, 65, 10132-10137.	6.3	10

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55	Computationally Efficient Blind Estimation of Carrier Frequency Offset for MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7644-7656.	9.2	30
56	Blind CFO estimation for multiuser OFDM uplink with large number of receive antennas. , 2016, , .		7
57	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
58	Feedback based two-phase transmission for secure SIMO communications. , 2015, , .		0
59	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
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	Interference-aware spectrum handover for cognitive radio networks. Wireless Communications and Mobile Computing, 2014, 14, 1099-1112.	1.2	21
62	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
63	Distributed Angle Estimation for Localization in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 527-537.	9.2	83
64	Alamouti Coding Scheme for AF Relaying With Doppler Shifts. IEEE Transactions on Vehicular Technology, 2013, 62, 1241-1250.	6.3	6
65	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
66	Blind Carrier Frequency Offset Estimation for Interleaved OFDMA Uplink. IEEE Transactions on Signal Processing, 2012, 60, 3616-3627.	5.3	69
67	Space-Frequency Convolutional Coding for Frequency-Asynchronous AF Relay Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2412-2418.	6.3	5
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	Radio interferometric localization of WSNs based on Doppler effect. Science China Information Sciences, 2010, 53, 158-167.	4.3	10
70	Multiuser Carrier Frequency Offset Estimation for OFDMA Uplink Based on Multi-Antenna. IEICE Transactions on Communications, 2010, E93-B, 1276-1279.	0.7	1