

# Wei-Xiao Meng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113  
papers

1,186  
citations

21  
h-index

29  
g-index

134  
ext. papers

1,511  
ext. citations

5.8  
avg. IF

5.17  
L-index

#	Paper	IF	Citations
113	Civil aircraft assisted space-air-ground integrated networks: Architecture design and coverage analysis. <i>China Communications</i> , <b>2022</b> , 19, 29-39	3	1
112	Proportional-Fair Resource Allocation for User-Centric Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	1
111	Fairness-based Resource Allocation for Multiple Weights Opportunistic Beamforming in Internet-of-Things Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	0
110	Physical Layer Security Assisted Computation Offloading in Intelligently Connected Vehicle Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 3555-3570	9.6	13
109	Reinforcement Learning-Based Energy-Efficient Data Access for Airborne Users in Civil Aircrafts-Enabled SAGIN. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 5, 934-949	4	5
108	. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 4058-4071	9.6	3
107	Channel-Correlation-Enabled Transmission Optimization for MISO Wiretap Channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 858-870	9.6	11
106	Multuser Opportunistic Beamforming Systems With Multiple Receive Antennas in Nakagami- $m$ Fading Channels. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	0
105	Robust Efficient Hybrid Pre-coding Scheme for mmWave Cell-Free and User-Centric Massive MIMO Communications. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	5
104	Video-based Facial Micro-Expression Analysis: A Survey of Datasets, Features and Algorithms. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	11
103	Civil Aircrafts Augmented Space-Air-Ground Integrated Vehicular Networks: Motivation, Breakthrough and Challenges. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	3
102	Artificial Noise Assisted Secure Mobile Crowd Computing in Intelligently Connected Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 7637-7651	6.8	0
101	UAV-Aided Cooperative Data Collection Scheme for Ocean Monitoring Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 13222-13236	10.7	13
100	Revenue-Maximizing Resource Allocation for Multitenant Cell-Free Massive MIMO Networks. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	0
99	Wi-Fi Fingerprint-Based Indoor Mobile User Localization Using Deep Learning. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-12	1.9	3
98	Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 7281-7294	6.8	9
97	Air-Ground Cooperative Access Control Algorithm Based on Q-Learning <b>2020</b> ,		2

96	Panoramic Camera-Based Human Localization Using Automatically Generated Training Data. <i>IEEE Access</i> , <b>2020</b> , 8, 48836-48845	3.5	5
95	QoS-Based Robust Cooperative-Jamming-Aided Beamforming for Correlated Wiretap Channels. <i>IEEE Signal Processing Letters</i> , <b>2020</b> , 27, 216-220	3.2	4
94	Convolutional-Neural-Network-Based Detection Algorithm for Uplink Multiuser Massive MIMO Systems. <i>IEEE Access</i> , <b>2020</b> , 8, 64250-64265	3.5	11
93	Energy-Efficient Hybrid Precoder With Adaptive Overlapped Subarrays for Large-Array mmWave Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 1484-1502	9.6	10
92	Performance Analysis of Joint Transmission Schemes in Ultra-Dense Networks A Unified Approach. <i>IEEE/ACM Transactions on Networking</i> , <b>2020</b> , 28, 154-167	3.8	3
91	Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 15298-15313	6.8	4
90	Robust Beamforming Design for Correlated MISO Wiretap Channels Under Channel Uncertainty. <i>IEEE Wireless Communications Letters</i> , <b>2020</b> , 9, 553-557	5.9	1
89	Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 1903-1912	6.8	3
88	A Joint Iterative Optimal Resource Allocation Algorithm for Non-Orthogonal Multi-User and Multi-Weight Opportunistic Beamforming Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 2864-2877	6.8	4
87	Correlation-Based Secure Transmission for Correlated MISO Wiretap Channels. <i>IEEE Wireless Communications Letters</i> , <b>2020</b> , 9, 302-305	5.9	3
86	Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 13658-13672	6.8	6
85	Complementary Coded CDMA Systems With CP-Free OFDM. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 11515-11528	6.8	1
84	How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 14932-14944	6.8	3
83	Coupled Bilinear Discriminant Projection for Cross-View Gait Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 734-747	6.4	36
82	Artificial Noisy MIMO Systems Under Correlated Scattering Rayleigh Fading A Physical Layer Security Approach. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 2121-2132	4.3	8
81	Joint Beam and Resource Allocation in 5G mmWave Small Cell Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 10272-10277	6.8	16
80	Joint PHY/MAC Layer AN-Assisted Security Scheme in SVD-Based MIMO HARQ system <b>2019</b> ,		1
79	Multiple-Jammer-Aided Secure Transmission With Receiver-Side Correlation. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 3093-3103	9.6	12

78	Improving Secrecy for Correlated Main and Wiretap Channels Using Cooperative Jamming. <i>IEEE Access</i> , <b>2019</b> , 7, 23788-23797	3.5	5
77	On Precoding and Energy Efficiency of Full-Duplex Millimeter-Wave Relays. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 1943-1956	9.6	24
76	AN-Aided Secure Beamforming Design for Correlated MISO Wiretap Channels. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 628-631	3.8	6
75	BSDP: Big Sensor Data Preprocessing in Multi-Source Fusion Positioning System Using Compressive Sensing. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 8866-8880	6.8	13
74	A Unified Multiuser Coding Framework for Multiple-Access Technologies. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3781-3792	4.3	3
73	Full-Duplex Relay-Assisted Macrocell with Millimeter Wave Backhauls: Framework and Prospects. <i>IEEE Network</i> , <b>2019</b> , 33, 190-197	11.4	27
72	Spectral efficiency evaluation of full-duplex mode of communications based on SLNR approach. <i>International Journal of Communication Systems</i> , <b>2019</b> , 32, e4006	1.7	1
71	Hybrid Pre-Coding Based on Minimum SMSE Considering Insertion Loss in mmWave Communications. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 8707-8724	6.9	1
70	Joint Resource Allocation and Secrecy Capacity optimization in V2V Communications : (Invited Paper) <b>2019</b> ,		1
69	Uniquely Decodable Codes for Physical-Layer Network Coding in Wireless Cooperative Communications. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3956-3967	4.3	4
68	Optimal Power Allocation for SCMA Downlink Systems Based on Maximum Capacity. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 1480-1489	6.9	57
67	Sparse Code Multiple Access Asynchronous Uplink Multiuser Detection Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 5557-5569	6.8	3
66	A general tensor representation framework for cross-view gait recognition. <i>Pattern Recognition</i> , <b>2019</b> , 90, 87-98	7.7	59
65	Downlink Coordinated Multi-Point Transmission in Ultra-Dense Networks with Mobile Edge Computing. <i>IEEE Network</i> , <b>2019</b> , 33, 152-159	11.4	10
64	Analysis of D2D-pairing scheme based on Voronoi diagram in cellular networks. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3513	1.7	1
63	Crowdsourcing and Multisource Fusion-Based Fingerprint Sensing in Smartphone Localization. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 3236-3247	4	40
62	Complementary Coded Scrambling Multiple Access and Its Performance in Downlink MIMO Channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 835-847	9.6	4
61	Dense-Device-Enabled Cooperative Networks for Efficient and Secure Transmission. <i>IEEE Network</i> , <b>2018</b> , 32, 100-106	11.4	56

60	Transmission Mechanism and Performance Analysis of Multiuser Opportunistic Beamforming in Rayleigh and Rician Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 9459-9473	6.8	7
59	A Cooperative Anti-spoofing Technology Based on Subspace Projection. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 91-100	0.2	
58	RSSI Based Positioning Fusion Algorithm in Wireless Sensor Network Using Factor Graph. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 577-586	0.2	1
57	Coupled source domain targetized with updating tag vectors for micro-expression recognition. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 3105-3124	2.5	14
56	Voronoi Diagram and Crowdsourcing-Based Radio Map Interpolation for GRNN Fingerprinting Localization Using WLAN. <i>Sensors</i> , <b>2018</b> , 18,	3.8	7
55	Precoding Design for Full-Duplex Transmission in Millimeter Wave Relay Backhaul. <i>Mobile Networks and Applications</i> , <b>2018</b> , 23, 1416-1426	2.9	7
54	Human Localization Using Multi-Source Heterogeneous Data in Indoor Environments. <i>IEEE Access</i> , <b>2017</b> , 5, 812-822	3.5	29
53	Machine-to-Machine Communications in Ultra-Dense Networks—A Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2017</b> , 19, 1478-1503	37.1	77
52	Optimal power allocation for a full-duplex multicarrier decode-forward relay system with or without direct link. <i>Signal Processing</i> , <b>2017</b> , 137, 177-191	4.4	8
51	Semidefinite further relaxation on likelihood ascent search detection algorithm for high-order modulation in massive MIMO system. <i>IET Communications</i> , <b>2017</b> , 11, 801-808	1.3	8
50	An Agile Confidential Transmission Strategy Combining Big Data Driven Cluster and OBF. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 10259-10270	6.8	25
49	Improve the Security of GNSS Receivers Through Spoofing Mitigation. <i>IEEE Access</i> , <b>2017</b> , 5, 21057-21069	3.5	23
48	A design of D2D-pairing scheme on Voronoi diagram <b>2017</b> ,		2
47	SCMA codebook design based on constellation rotation <b>2017</b> ,		45
46	Performance Analysis of Downlink Coordinated Multipoint Joint Transmission in Ultra-Dense Networks. <i>IEEE Network</i> , <b>2017</b> , 31, 106-114	11.4	22
45	Multi-Parameter Based Self-Feedback Effectiveness Evaluation in a Multi-Sensor Fusion Positioning System <b>2017</b> ,		1
44	A Tractable Multi-RATs Offloading Scheme on D2D Communications. <i>IEEE Access</i> , <b>2017</b> , 5, 20841-20851	3.5	2
43	An adaptive neural networks formulation for the two-dimensional principal component analysis. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 1245-1261	4.8	6

42	Factor graph based multi-source data fusion for wireless localization <b>2016</b> ,		6
41	Toward Ubiquitous LBS: Multi-Radio Localization and Seamless Positioning. <i>IEEE Wireless Communications</i> , <b>2016</b> , 23, 107-113	13.4	21
40	Power Allocation for Distributed Antenna Systems in Frequency-Selective Fading Channels. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 212-222	6.9	13
39	Automatic Precision Control Positioning for Wireless Sensor Network. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 2140-2150	4	28
38	Joint Pre-Equalization and Adaptive Combining for CC-CDMA Systems Over Asynchronous Frequency-Selective Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 5175-5184	6.8	9
37	Physical-Layer Network Coding Systems With MFSK Modulation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 204-213	6.8	16
36	BER Analysis of Physical-Layer Network Coding in the AWGN Channel With Burst Pulses. <i>IEEE Access</i> , <b>2016</b> , 4, 9958-9968	3.5	0
35	A Localization Based Routing Protocol for Dynamic Underwater Sensor Networks <b>2016</b> ,		9
34	Random beamforming for multiuser multiplexing in downlink correlated Rician channel <b>2016</b> ,		6
33	Symbol Cyclic-Shift Equalization Algorithm for CP-Free OFDM/OFDMA System Design. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 1-1	6.8	21
32	A high robustness positioning algorithm for fingerprint localization system <b>2016</b> ,		1
31	Optimal Power Allocation for Dual-Hop Full-Duplex Decode-and-Forward Relay. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 471-474	3.8	26
30	A dense overlapped linear subarray architecture for interference suppressing in small-scale arrays. <i>International Journal of Communication Systems</i> , <b>2015</b> , 28, 990-1000	1.7	3
29	Cooperative quadrature physical layer network coding in wireless relay networks. <i>International Journal of Communication Systems</i> , <b>2015</b> , 28, 112-126	1.7	3
28	I/Q Column-Wise Complementary Codes for Interference-Resistant CDMA Communication Systems. <i>IEEE Systems Journal</i> , <b>2015</b> , 9, 4-12	4.3	2
27	Space division and dimensional reduction methods for indoor positioning system <b>2015</b> ,		5
26	A Survey on Complementary-Coded MIMO CDMA Wireless Communications. <i>IEEE Communications Surveys and Tutorials</i> , <b>2015</b> , 17, 52-69	37.1	31
25	Multiuser-Interference-Free Space-Time Spreading MIMO Systems Based on Three-Dimensional Complementary Codes. <i>IEEE Systems Journal</i> , <b>2015</b> , 9, 45-57	4.3	13

24	A Complete Complementary Coded MIMO System and Its Performance in Multipath Channels. <i>IEEE Wireless Communications Letters</i> , <b>2014</b> , 3, 181-184	5.9	10
23	A spatial division clustering method and low dimensional feature extraction technique based indoor positioning system. <i>Sensors</i> , <b>2014</b> , 14, 1850-76	3.8	10
22	Random Forest Based Coarse Locating and KPCA Feature Extraction for Indoor Positioning System. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-8	1.1	11
21	Pre-coding for multi-user physical network coding over a flat fading channel <b>2014</b> ,		1
20	An Accuracy Estimation Algorithm for Fingerprint Positioning System <b>2014</b> ,		1
19	A survey of trunking communications over LTE: Implementation framework, application requirements, and quality of service <b>2013</b> ,		1
18	Two-Dimensional Block-Spread CDMA Relay Using Virtual-Four-Antenna STCDDT. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 3813-3827	6.8	2
17	Multi-User Interference Cancellation in Complementary Coded CDMA with Diversity Gain. <i>IEEE Wireless Communications Letters</i> , <b>2013</b> , 2, 303-306	5.9	25
16	Packet Loss Recovery Scheme with Uniquely-Decodable Codes for Streaming Multimedia over P2P Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2013</b> , 31, 142-154	14.2	7
15	Dual-ellipse fitting approach for robust gait periodicity detection. <i>Neurocomputing</i> , <b>2012</b> , 79, 173-178	5.4	34
14	EM-Based Adaptive Frequency Domain Estimation of Doppler Shifts with CRLB Analysis for CDMA Systems. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 198-208	6.9	6
13	IMS-based Smart Grid System <b>2012</b> ,		2
12	An improved biometrics technique based on metric learning approach. <i>Neurocomputing</i> , <b>2012</b> , 97, 44-51	5.4	28
11	Soft network coding design in two-way relay channel <b>2012</b> ,		2
10	Rapid deployment of APs in WLAN indoor positioning system <b>2011</b> ,		1
9	An Adaptive Weighted Clustering Algorithm for Cooperative Communications. <i>IEICE Transactions on Communications</i> , <b>2011</b> , E94-B, 3251-3258	0.5	
8	A novel relay selection scheme in multi-antenna cooperative systems <b>2010</b> ,		3
7	A Novel Stability Weighted Clustering Algorithm for Multi-Hop Packet Radio Virtual Cellular Network <b>2010</b> ,		4

6	Code Assignment Algorithm for 2-Dimensional Block Spread CDMA Uplink in Multi-Cell System <b>2009,</b>		1
5	Application of cyclic delay transmit diversity to uplink 2-dimensional block spread CDMA with frequency-domain equalization <b>2009,</b>		3
4	Adaptive Code Assignment Algorithm for a Multi-User/Multi-Rate CDMA System. <i>IEICE Transactions on Communications</i> , <b>2009</b> , E92-B, 1600-1607	0.5	3
3	Asymptotic Performance Analysis for mmWave V2X Cellular Networks		
2	MONET Special Issue on Towards Future Ad Hoc Networks: Technologies and Applications (II). <i>Mobile Networks and Applications</i> ,1	2.9	
1	Graph-Based Resource Allocation for Air-Ground Integrated Networks. <i>Mobile Networks and Applications</i> ,1	2.9	0