

Wei-Xiao Meng

List of Publications by Citations

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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	Machine-to-Machine Communications in Ultra-Dense Networks: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 1478-1503	37.1	77
112	A general tensor representation framework for cross-view gait recognition. <i>Pattern Recognition</i> , 2019 , 90, 87-98	7.7	59
111	Optimal Power Allocation for SCMA Downlink Systems Based on Maximum Capacity. <i>IEEE Transactions on Communications</i> , 2019 , 67, 1480-1489	6.9	57
110	Dense-Device-Enabled Cooperative Networks for Efficient and Secure Transmission. <i>IEEE Network</i> , 2018 , 32, 100-106	11.4	56
109	SCMA codebook design based on constellation rotation 2017 ,		45
108	Crowdsourcing and Multisource Fusion-Based Fingerprint Sensing in Smartphone Localization. <i>IEEE Sensors Journal</i> , 2018 , 18, 3236-3247	4	40
107	Coupled Bilinear Discriminant Projection for Cross-View Gait Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 734-747	6.4	36
106	Dual-ellipse fitting approach for robust gait periodicity detection. <i>Neurocomputing</i> , 2012 , 79, 173-178	5.4	34
105	A Survey on Complementary-Coded MIMO CDMA Wireless Communications. <i>IEEE Communications Surveys and Tutorials</i> , 2015 , 17, 52-69	37.1	31
104	Human Localization Using Multi-Source Heterogeneous Data in Indoor Environments. <i>IEEE Access</i> , 2017 , 5, 812-822	3.5	29
103	Automatic Precision Control Positioning for Wireless Sensor Network. <i>IEEE Sensors Journal</i> , 2016 , 16, 2140-2150	4	28
102	An improved biometrics technique based on metric learning approach. <i>Neurocomputing</i> , 2012 , 97, 44-51	5.4	28
101	Full-Duplex Relay-Assisted Macrocell with Millimeter Wave Backhubs: Framework and Prospects. <i>IEEE Network</i> , 2019 , 33, 190-197	11.4	27
100	Optimal Power Allocation for Dual-Hop Full-Duplex Decode-and-Forward Relay. <i>IEEE Communications Letters</i> , 2015 , 19, 471-474	3.8	26
99	An Agile Confidential Transmission Strategy Combining Big Data Driven Cluster and OBF. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10259-10270	6.8	25
98	Multi-User Interference Cancellation in Complementary Coded CDMA with Diversity Gain. <i>IEEE Wireless Communications Letters</i> , 2013 , 2, 303-306	5.9	25
97	On Precoding and Energy Efficiency of Full-Duplex Millimeter-Wave Relays. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1943-1956	9.6	24

96	Improve the Security of GNSS Receivers Through Spoofing Mitigation. <i>IEEE Access</i> , 2017 , 5, 21057-21069	3.5	23
95	Performance Analysis of Downlink Coordinated Multipoint Joint Transmission in Ultra-Dense Networks. <i>IEEE Network</i> , 2017 , 31, 106-114	11.4	22
94	Toward Ubiquitous LBS: Multi-Radio Localization and Seamless Positioning. <i>IEEE Wireless Communications</i> , 2016 , 23, 107-113	13.4	21
93	Symbol Cyclic-Shift Equalization Algorithm for CP-Free OFDM/OFDMA System Design. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	21
92	Joint Beam and Resource Allocation in 5G mmWave Small Cell Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 10272-10277	6.8	16
91	Physical-Layer Network Coding Systems With MFSK Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 204-213	6.8	16
90	Coupled source domain targeted with updating tag vectors for micro-expression recognition. <i>Multimedia Tools and Applications</i> , 2018 , 77, 3105-3124	2.5	14
89	Power Allocation for Distributed Antenna Systems in Frequency-Selective Fading Channels. <i>IEEE Transactions on Communications</i> , 2016 , 64, 212-222	6.9	13
88	BSDP: Big Sensor Data Preprocessing in Multi-Source Fusion Positioning System Using Compressive Sensing. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8866-8880	6.8	13
87	Multuser-Interference-Free Space-Time Spreading MIMO Systems Based on Three-Dimensional Complementary Codes. <i>IEEE Systems Journal</i> , 2015 , 9, 45-57	4.3	13
86	Physical Layer Security Assisted Computation Offloading in Intelligently Connected Vehicle Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 3555-3570	9.6	13
85	UAV-Aided Cooperative Data Collection Scheme for Ocean Monitoring Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 13222-13236	10.7	13
84	Multiple-Jammer-Aided Secure Transmission With Receiver-Side Correlation. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3093-3103	9.6	12
83	Convolutional-Neural-Network-Based Detection Algorithm for Uplink Multiuser Massive MIMO Systems. <i>IEEE Access</i> , 2020 , 8, 64250-64265	3.5	11
82	Random Forest Based Coarse Locating and KPCA Feature Extraction for Indoor Positioning System. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-8	1.1	11
81	Channel-Correlation-Enabled Transmission Optimization for MISO Wiretap Channels. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 858-870	9.6	11
80	Video-based Facial Micro-Expression Analysis: A Survey of Datasets, Features and Algorithms. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	11
79	Energy-Efficient Hybrid Precoder With Adaptive Overlapped Subarrays for Large-Array mmWave Systems. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 1484-1502	9.6	10

78	A Complete Complementary Coded MIMO System and Its Performance in Multipath Channels. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 181-184	5.9	10
77	A spatial division clustering method and low dimensional feature extraction technique based indoor positioning system. <i>Sensors</i> , 2014 , 14, 1850-76	3.8	10
76	Downlink Coordinated Multi-Point Transmission in Ultra-Dense Networks with Mobile Edge Computing. <i>IEEE Network</i> , 2019 , 33, 152-159	11.4	10
75	Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 7281-7294	6.8	9
74	Joint Pre-Equalization and Adaptive Combining for CC-CDMA Systems Over Asynchronous Frequency-Selective Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 5175-5184	6.8	9
73	A Localization Based Routing Protocol for Dynamic Underwater Sensor Networks 2016 ,		9
72	Optimal power allocation for a full-duplex multicarrier decode-forward relay system with or without direct link. <i>Signal Processing</i> , 2017 , 137, 177-191	4.4	8
71	Semidefinite further relaxation on likelihood ascent search detection algorithm for high-order modulation in massive MIMO system. <i>IET Communications</i> , 2017 , 11, 801-808	1.3	8
70	Artificial Noisy MIMO Systems Under Correlated Scattering Rayleigh Fading: A Physical Layer Security Approach. <i>IEEE Systems Journal</i> , 2020 , 14, 2121-2132	4.3	8
69	Transmission Mechanism and Performance Analysis of Multiuser Opportunistic Beamforming in Rayleigh and Rician Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 9459-9473	6.8	7
68	Packet Loss Recovery Scheme with Uniquely-Decodable Codes for Streaming Multimedia over P2P Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 142-154	14.2	7
67	Voronoi Diagram and Crowdsourcing-Based Radio Map Interpolation for GRNN Fingerprinting Localization Using WLAN. <i>Sensors</i> , 2018 , 18,	3.8	7
66	Precoding Design for Full-Duplex Transmission in Millimeter Wave Relay Backhaul. <i>Mobile Networks and Applications</i> , 2018 , 23, 1416-1426	2.9	7
65	An adaptive neural networks formulation for the two-dimensional principal component analysis. <i>Neural Computing and Applications</i> , 2016 , 27, 1245-1261	4.8	6
64	AN-Aided Secure Beamforming Design for Correlated MISO Wiretap Channels. <i>IEEE Communications Letters</i> , 2019 , 23, 628-631	3.8	6
63	Factor graph based multi-source data fusion for wireless localization 2016 ,		6
62	EM-Based Adaptive Frequency Domain Estimation of Doppler Shifts with CRLB Analysis for CDMA Systems. <i>IEEE Transactions on Communications</i> , 2012 , 60, 198-208	6.9	6
61	Service-Oriented Fair Resource Allocation and Auction for Civil Aircrafts Augmented Space-Air-Ground Integrated Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 13658-13672	6.8	6

60	Random beamforming for multiuser multiplexing in downlink correlated Rician channel 2016,		6
59	Improving Secrecy for Correlated Main and Wiretap Channels Using Cooperative Jamming. <i>IEEE Access</i> , 2019 , 7, 23788-23797	3.5	5
58	Space division and dimensional reduction methods for indoor positioning system 2015,		5
57	Panoramic Camera-Based Human Localization Using Automatically Generated Training Data. <i>IEEE Access</i> , 2020 , 8, 48836-48845	3.5	5
56	Reinforcement Learning-Based Energy-Efficient Data Access for Airborne Users in Civil Aircrafts-Enabled SAGIN. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 934-949	4	5
55	Robust Efficient Hybrid Pre-coding Scheme for mmWave Cell-Free and User-Centric Massive MIMO Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
54	QoS-Based Robust Cooperative-Jamming-Aided Beamforming for Correlated Wiretap Channels. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 216-220	3.2	4
53	Complementary Coded Scrambling Multiple Access and Its Performance in Downlink MIMO Channels. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 835-847	9.6	4
52	A Novel Stability Weighted Clustering Algorithm for Multi-Hop Packet Radio Virtual Cellular Network 2010,		4
51	Power Scaling of Full-Duplex Two-Way Millimeter-Wave Relay With Massive MIMO. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 15298-15313	6.8	4
50	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> , 2020 , 69, 2864-2877	6.8	4
49	Uniquely Decodable Codes for Physical-Layer Network Coding in Wireless Cooperative Communications. <i>IEEE Systems Journal</i> , 2019 , 13, 3956-3967	4.3	4
48	A dense overlapped linear subarray architecture for interference suppressing in small-scale arrays. <i>International Journal of Communication Systems</i> , 2015 , 28, 990-1000	1.7	3
47	Cooperative quadrature physical layer network coding in wireless relay networks. <i>International Journal of Communication Systems</i> , 2015 , 28, 112-126	1.7	3
46	Performance Analysis of Joint Transmission Schemes in Ultra-Dense Networks [A Unified Approach. <i>IEEE/ACM Transactions on Networking</i> , 2020 , 28, 154-167	3.8	3
45	A Unified Multiuser Coding Framework for Multiple-Access Technologies. <i>IEEE Systems Journal</i> , 2019 , 13, 3781-3792	4.3	3
44	A novel relay selection scheme in multi-antenna cooperative systems 2010,		3
43	Application of cyclic delay transmit diversity to uplink 2-dimensional block spread CDMA with frequency-domain equalization 2009,		3

42	Adaptive Code Assignment Algorithm for a Multi-User/Multi-Rate CDMA System. <i>IEICE Transactions on Communications</i> , 2009 , E92-B, 1600-1607	0.5	3
41	Correlation-Based Cooperative Jamming to Enhance Secrecy With Receiver-Side Correlation. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1903-1912	6.8	3
40	Correlation-Based Secure Transmission for Correlated MISO Wiretap Channels. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 302-305	5.9	3
39	How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 14932-14944	6.8	3
38	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4058-4071	9.6	3
37	Sparse Code Multiple Access Asynchronous Uplink Multiuser Detection Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 5557-5569	6.8	3
36	Civil Aircrafts Augmented Space-Air-Ground Integrated Vehicular Networks: Motivation, Breakthrough and Challenges. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	3
35	Wi-Fi Fingerprint-Based Indoor Mobile User Localization Using Deep Learning. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-12	1.9	3
34	I/Q Column-Wise Complementary Codes for Interference-Resistant CDMA Communication Systems. <i>IEEE Systems Journal</i> , 2015 , 9, 4-12	4.3	2
33	Air-Ground Cooperative Access Control Algorithm Based on Q-Learning 2020 ,		2
32	Two-Dimensional Block-Spread CDMA Relay Using Virtual-Four-Antenna STCDDT. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 3813-3827	6.8	2
31	A design of D2D-pairing scheme on Voronoi diagram 2017 ,		2
30	A Tractable Multi-RATs Offloading Scheme on D2D Communications. <i>IEEE Access</i> , 2017 , 5, 20841-20851	3.5	2
29	IMS-based Smart Grid System 2012 ,		2
28	Soft network coding design in two-way relay channel 2012 ,		2
27	Joint PHY/MAC Layer AN-Assisted Security Scheme in SVD-Based MIMO HARQ system 2019 ,		1
26	Analysis of D2D-pairing scheme based on Voronoi diagram in cellular networks. <i>International Journal of Communication Systems</i> , 2018 , 31, e3513	1.7	1
25	Spectral efficiency evaluation of full-duplex mode of communications based on SLNR approach. <i>International Journal of Communication Systems</i> , 2019 , 32, e4006	1.7	1

24	Hybrid Pre-Coding Based on Minimum SMSE Considering Insertion Loss in mmWave Communications. <i>IEEE Transactions on Communications</i> , 2019 , 67, 8707-8724	6.9	1
23	Joint Resource Allocation and Secrecy Capacity optimization in V2V Communications : (Invited Paper) 2019 ,		1
22	A survey of trunking communications over LTE: Implementation framework, application requirements, and quality of service 2013 ,		1
21	Multi-Parameter Based Self-Feedback Effectiveness Evaluation in a Multi-Sensor Fusion Positioning System 2017 ,		1
20	Pre-coding for multi-user physical network coding over a flat fading channel 2014 ,		1
19	An Accuracy Estimation Algorithm for Fingerprint Positioning System 2014 ,		1
18	Code Assignment Algorithm for 2-Dimensional Block Spread CDMA Uplink in Multi-Cell System 2009 ,		1
17	Rapid deployment of APs in WLAN indoor positioning system 2011 ,		1
16	Civil aircraft assisted space-air-ground integrated networks: Architecture design and coverage analysis. <i>China Communications</i> , 2022 , 19, 29-39	3	1
15	Proportional-Fair Resource Allocation for User-Centric Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1
14	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> , 2018 , 577-586	0.2	1
13	Robust Beamforming Design for Correlated MISO Wiretap Channels Under Channel Uncertainty. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 553-557	5.9	1
12	Complementary Coded CDMA Systems With CP-Free OFDM. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 11515-11528	6.8	1
11	A high robustness positioning algorithm for fingerprint localization system 2016 ,		1
10	Fairness-based Resource Allocation for Multiple Weights Opportunistic Beamforming in Internet-of-Things Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
9	BER Analysis of Physical-Layer Network Coding in the AWGN Channel With Burst Pulses. <i>IEEE Access</i> , 2016 , 4, 9958-9968	3.5	0
8	Multiuser Opportunistic Beamforming Systems With Multiple Receive Antennas in Nakagami- m Fading Channels. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	0
7	Graph-Based Resource Allocation for Air-Ground Integrated Networks. <i>Mobile Networks and Applications</i> ,1	2.9	0

6	Artificial Noise Assisted Secure Mobile Crowd Computing in Intelligently Connected Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7637-7651	6.8	o
5	Revenue-Maximizing Resource Allocation for Multitenant Cell-Free Massive MIMO Networks. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	o
4	Asymptotic Performance Analysis for mmWave V2X Cellular Networks		
3	A Cooperative Anti-spoofing Technology Based on Subspace Projection. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 91-100	0.2	
2	An Adaptive Weighted Clustering Algorithm for Cooperative Communications. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 3251-3258	0.5	
1	MONET Special Issue on Towards Future Ad Hoc Networks: Technologies and Applications (II). <i>Mobile Networks and Applications</i> , 1	2.9	