Wenjun Xu

List of Publications by Year
in descending order

68 papers	1,097 citations	516710 16 h-index	477307 29 g-index
68 all docs	68 docs citations	68 times ranked	1159 citing authors

#	Article	IF	Citations
1	Cooperative Control of Physical Collision and Transmission Power for UAV Swarm: A Dual-Fields Enabled Approach. IEEE Internet of Things Journal, 2022, 9, 2390-2403.	8.7	5
2	Joint Resource, Deployment, and Caching Optimization for AR Applications in Dynamic UAV NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3409-3422.	9.2	18
3	Continuous Hidden Markov Model Based Spectrum Sensing with Estimated SNR for Cognitive UAV Networks. Sensors, 2022, 22, 2620.	3.8	3
4	Machine Learning-Empowered Beam Management for mmWave-NOMA in Multi-UAVs Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 8487-8502.	6.3	5
5	Correction to â€œJoint Trajectory Optimization and User Scheduling for Rotary-Wing UAV-Enabled Wireless Powered Communication Networksâ€• IEEE Access, 2022, 10, 33855-33855.	4.2	0
6	Distributed Federated Deep Reinforcement Learning Based Trajectory Optimization for Air-Ground Cooperative Emergency Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 9107-9112.	6.3	10
7	Prioritized Delay Optimization for NOMA-Based Multi-UAV Emergency Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 11222-11227.	6.3	4
8	Deep Learning Compressed Sensing-Based Beamspace Channel Estimation in mmWave Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 1935-1939.	5.0	8
9	Codebook-Based Beam Tracking for Conformal Array-Enabled UAV mmWave Networks. IEEE Internet of Things Journal, 2021, 8, 244-261.	8.7	13
10	Identification of Active Attacks in Internet of Things: Joint Model- and Data-Driven Automatic Modulation Classification Approach. IEEE Internet of Things Journal, 2021, 8, 2051-2065.	8.7	33
11	A Simple Two-Stage Equalizer for OTFS With Rectangular Windows. IEEE Communications Letters, 2021, 25, 1158-1162.	4.1	17
12	Voting-Based Multiagent Reinforcement Learning for Intelligent IoT. IEEE Internet of Things Journal, 2021, 8, 2681-2693.	8.7	7
13	Energy-Efficient Design for Massive MIMO With Hardware Impairments. IEEE Transactions on Wireless Communications, 2021, 20, 843-857.	9.2	12
14	Data-Driven Beam Management With Angular Domain Information for mmWave UAV Networks. IEEE Transactions on Wireless Communications, 2021, 20, 7040-7056.	9.2	8
15	Reliable Random Access for Decentralized UAV Networks Based on Raptor Codes. IEEE Internet of Things Journal, 2021, 8, 16571-16584.	8.7	1
16	Deep Neural Network-Based Robust Spectrum Sensing: Exploiting Phase Difference Distribution. , 2021, , .		4
17	Blind Channel Codes Recognition via Deep Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 2421-2433.	14.0	10
18	D2D-Assisted Multi-User Cooperative Partial Offloading, Transmission Scheduling and Computation Allocating for MEC. IEEE Transactions on Wireless Communications, 2021, 20, 4858-4873.	9.2	38

#	Article	IF	Citations
19	Analysis of D2D-Aided Underlaying Uplink Cellular Networks Using Poisson Hole Process. IEEE Access, 2021, 9, 12521-12532.	4.2	1
20	Secrecy Performance of Terrestrial Radio Links Under Collaborative Aerial Eavesdropping. IEEE Transactions on Information Forensics and Security, 2020, 15, 604-619.	6.9	26
21	Cache-Enabling UAV Communications: Network Deployment and Resource Allocation. IEEE Transactions on Wireless Communications, 2020, 19, 7470-7483.	9.2	59
22	Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 12897-12911.	6.3	47
23	REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback. IEEE Transactions on Vehicular Technology, 2020, 69, 13148-13164.	6.3	8
24	Machine Learning-Based Energy-Spectrum Two-Dimensional Cognition in Energy Harvesting CRNs. IEEE Access, 2020, 8, 158911-158927.	4.2	1
25	Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 7483-7492.	6.3	11
26	Throughput Optimization for Cognitive UAV Networks: A Three-Dimensional-Location-Aware Approach. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	21
27	Improved Analysis for SOMP Algorithm in Terms of Restricted Isometry Property. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 533-537.	0.3	1
28	Caching Placement and Resource Allocation for AR Application in UAV NOMA Networks. , 2020, , .		8
29	Deep Reinforcement Learning for Caching Placement and Content Delivery in UAV NOMA Networks. , 2020, , .		7
30	Position-Attitude Prediction Based Beam Tracking for UAV mmWave Communications. , 2019, , .		15
31	Position Prediction Based Fast Beam Tracking Scheme for Multi-User UAV-mmWave Communications. , 2019, , .		20
32	Load Balancing for Ultradense Networks: A Deep Reinforcement Learning-Based Approach. IEEE Internet of Things Journal, 2019, 6, 9399-9412.	8.7	63
33	Multi-Antenna Channel Interpolation via Tucker Decomposed Extreme Learning Machine. IEEE Transactions on Vehicular Technology, 2019, 68, 7160-7163.	6.3	13
34	Deep ${Q}$ -Network-Based Route Scheduling for TNC Vehicles With Passengersâ€™ Location Differential Privacy. IEEE Internet of Things Journal, 2019, 6, 7681-7692.	8.7	39
35	Wireless Traffic Prediction With Scalable Gaussian Process: Framework, Algorithms, and Verification. IEEE Journal on Selected Areas in Communications, 2019, 37, 1291-1306.	14.0	142
36	Delay Estimation of UAV Communications Based on Fountain Codes. , 2019, , .		1

#	Article	IF	Citations
37	Joint Trajectory Optimization and User Scheduling for Rotary-Wing UAV-Enabled Wireless Powered Communication Networks. IEEE Access, 2019, 7, 181369-181380.	4.2	27
38	D2D-Enabled Mobile User Edge Caching: A Multi-Winner Auction Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 12314-12328.	6.3	45
39	Deep Reinforcement Learning Based Mobility Load Balancing Under Multiple Behavior Policies. , 2019, , .		9
40	Data-Cognition-Empowered Intelligent Wireless Networks: Data, Utilities, Cognition Brain, and Architecture. IEEE Wireless Communications, 2018, 25, 56-63.	9.0	17
41	Joint Sensing Duration Adaptation, User Matching, and Power Allocation for Cognitive OFDM-NOMA Systems. IEEE Transactions on Wireless Communications, 2018, 17, 1269-1282.	9.2	52
42	Deep Q-Network Based Route Scheduling for Transportation Network Company Vehicles. , 2018, , .		8
43	Joint Subcarrier Assignment and Downlink-Uplink Time-Power Allocation for Wireless Powered OFDM-NOMA Systems. , 2018, , .		6
44	Capacity Analysis of UAV Communications: Cases of Random Trajectories. IEEE Transactions on Vehicular Technology, 2018, 67, 7564-7576.	6.3	67
45	Capacity Maximization in Full-Duplex Cognitive Radio Systems With Non-Slotted Primary User State Change. IEEE Communications Letters, 2018, 22, 1890-1893.	4.1	1
46	An Enhanced Paradigm for Cognitive Cooperation Networks: Two-to-One Energy and Spectrum Dual-Cooperation. Sensors, 2018, 18, 2085.	3.8	0
47	Special Issue on Wireless Powered Communications Networks. Journal of Signal Processing Systems, 2018, 90, 805-806.	2.1	0
48	Secure connectivity analysis in unmanned aerial vehicle networks. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 409-422.	2.6	6
49	Performance of SWIPT for AF MIMO Relay Systems With Direct Link. IEEE Communications Letters, 2018, 22, 340-343.	4.1	7
50	Matching-Theory-Based Spectrum Utilization in Cognitive NOMA-OFDM Systems. , 2017, , .		11
51	Two-Plus-One Cognitive Cooperation Based on Energy Harvesting and Spatial Multiplexing. IEEE Transactions on Vehicular Technology, 2017, 66, 7589-7593.	6.3	7
52	High-Accuracy Wireless Traffic Prediction: A GP-Based Machine Learning Approach. , 2017, , .		35
53	Simultaneous Information and Power Transfer for Multi-antenna Primary-Secondary Cooperation in Cognitive Radio Networks. ETRI Journal, 2016, 38, 941-951.	2.0	2
54	Energy-Efficient Joint Sensing Duration, Detection Threshold, and Power Allocation Optimization in Cognitive OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 8339-8352.	9.2	16

#	Article	IF	Citations
55	Underlaid-D2D-assisted cooperative multicast based on social networks. Peer-to-Peer Networking and Applications, 2016, 9, 923-935.	3.9	5
56	Joint overlay and underlay resource allocation with weighted fairness in OFDMâ€based cognitive radio systems. International Journal of Communication Systems, 2015, 28, 1692-1708.	2.5	4
57	Network-coded primary-secondary cooperation in OFDM-based cognitive multicast networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	6
58	Distributed Cooperative Multicast in Cognitive Multi-Relay Multi-Antenna Systems. IEEE Signal Processing Letters, 2015, 22, 288-292.	3.6	12
59	Energy-Efficient Layered Video Multicast over OFDM-Based Cognitive Radio Systems. International Journal of Distributed Sensor Networks, 2015, 2015, 1-12.	2.2	1
60	Non-Ideal Backhaul Based Spectrum Splitting and Power Allocation for Downlink <roman>CoMP</roman> in Cognitive Macro/Femtocell Networks. IEEE Communications Letters, 2014, 18, 1031-1034.	4.1	5
61	Resource allocation for multiple description coding multicast in OFDM-based cognitive radio systems with non-full buffer traffic. , 2013, , .		1
62	Resource Allocation in Multicast OFDM Systems: Lower/Upper Bounds and Suboptimal Algorithm. IEEE Communications Letters, 2011, 15, 722-724.	4.1	32
63	Energy-Efficient Transmission for Hybrid Spectrum Sharing in Cognitive Radio Networks. , 2011, , .		25
64	A distributed call admission control scheme for QoS provisioning in OFDMA system. , 2011, , .		2
65	Graph-based spectrum sharing for multiuser OFDM Cognitive Radio Networks. , 2011, , .		5
66	Multicast resource allocation with min-rate requirements in OFDM systems. Journal of China Universities of Posts and Telecommunications, 2010, 17, 24-51.	0.8	3
67	Online Power Adaption for Energy Efficiency in Cognitive Radio Networks. , 2010, , .		0
68	Opportunistic Packet Scheduling in OFDM Distributed Antenna Systems. , 2009, , .		1