

# Wenjun Xu

## List of Publications by Year in descending order

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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	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
2	Capacity Analysis of UAV Communications: Cases of Random Trajectories. IEEE Transactions on Vehicular Technology, 2018, 67, 7564-7576.	6.3	67
3	Load Balancing for Ultradense Networks: A Deep Reinforcement Learning-Based Approach. IEEE Internet of Things Journal, 2019, 6, 9399-9412.	8.7	63
4	Cache-Enabling UAV Communications: Network Deployment and Resource Allocation. IEEE Transactions on Wireless Communications, 2020, 19, 7470-7483.	9.2	59
5	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
6	Caching Placement and Resource Allocation for Cache-Enabling UAV NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 12897-12911.	6.3	47
7	D2D-Enabled Mobile User Edge Caching: A Multi-Winner Auction Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 12314-12328.	6.3	45
8	Deep $Q$ -Network-Based Route Scheduling for TNC Vehicles With Passengers's Location Differential Privacy. IEEE Internet of Things Journal, 2019, 6, 7681-7692.	8.7	39
9	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
10	High-Accuracy Wireless Traffic Prediction: A GP-Based Machine Learning Approach. , 2017, , .		35
11	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
12	Resource Allocation in Multicast OFDM Systems: Lower/Upper Bounds and Suboptimal Algorithm. IEEE Communications Letters, 2011, 15, 722-724.	4.1	32
13	Joint Trajectory Optimization and User Scheduling for Rotary-Wing UAV-Enabled Wireless Powered Communication Networks. IEEE Access, 2019, 7, 181369-181380.	4.2	27
14	Secrecy Performance of Terrestrial Radio Links Under Collaborative Aerial Eavesdropping. IEEE Transactions on Information Forensics and Security, 2020, 15, 604-619.	6.9	26
15	Energy-Efficient Transmission for Hybrid Spectrum Sharing in Cognitive Radio Networks. , 2011, , .		25
16	Throughput Optimization for Cognitive UAV Networks: A Three-Dimensional-Location-Aware Approach. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	21
17	Position Prediction Based Fast Beam Tracking Scheme for Multi-User UAV-mmWave Communications. , 2019, , .		20
18	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

#	ARTICLE	IF	CITATIONS
19	Data-Cognition-Empowered Intelligent Wireless Networks: Data, Utilities, Cognition Brain, and Architecture. <i>IEEE Wireless Communications</i> , 2018, 25, 56-63.	9.0	17
20	A Simple Two-Stage Equalizer for OTFS With Rectangular Windows. <i>IEEE Communications Letters</i> , 2021, 25, 1158-1162.	4.1	17
21	Energy-Efficient Joint Sensing Duration, Detection Threshold, and Power Allocation Optimization in Cognitive OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 8339-8352.	9.2	16
22	Position-Attitude Prediction Based Beam Tracking for UAV mmWave Communications. , 2019, , .		15
23	Multi-Antenna Channel Interpolation via Tucker Decomposed Extreme Learning Machine. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 7160-7163.	6.3	13
24	Codebook-Based Beam Tracking for Conformal Array-Enabled UAV mmWave Networks. <i>IEEE Internet of Things Journal</i> , 2021, 8, 244-261.	8.7	13
25	Distributed Cooperative Multicast in Cognitive Multi-Relay Multi-Antenna Systems. <i>IEEE Signal Processing Letters</i> , 2015, 22, 288-292.	3.6	12
26	Energy-Efficient Design for Massive MIMO With Hardware Impairments. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 843-857.	9.2	12
27	Matching-Theory-Based Spectrum Utilization in Cognitive NOMA-OFDM Systems. , 2017, , .		11
28	Radar Sensing-Throughput Tradeoff for Radar Assisted Cognitive Radio Enabled Vehicular Ad-Hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 7483-7492.	6.3	11
29	Blind Channel Codes Recognition via Deep Learning. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 2421-2433.	14.0	10
30	Distributed Federated Deep Reinforcement Learning Based Trajectory Optimization for Air-Ground Cooperative Emergency Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 9107-9112.	6.3	10
31	Deep Reinforcement Learning Based Mobility Load Balancing Under Multiple Behavior Policies. , 2019, , .		9
32	Deep Q-Network Based Route Scheduling for Transportation Network Company Vehicles. , 2018, , .		8
33	REF Codes: Intermediate Performance Oriented Fountain Codes With Feedback. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 13148-13164.	6.3	8
34	Data-Driven Beam Management With Angular Domain Information for mmWave UAV Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 7040-7056.	9.2	8
35	Caching Placement and Resource Allocation for AR Application in UAV NOMA Networks. , 2020, , .		8
36	Deep Learning Compressed Sensing-Based BeamSpace Channel Estimation in mmWave Massive MIMO Systems. <i>IEEE Wireless Communications Letters</i> , 2022, 11, 1935-1939.	5.0	8

#	ARTICLE	IF	CITATIONS
37	Two-Plus-One Cognitive Cooperation Based on Energy Harvesting and Spatial Multiplexing. IEEE Transactions on Vehicular Technology, 2017, 66, 7589-7593.	6.3	7
38	Voting-Based Multiagent Reinforcement Learning for Intelligent IoT. IEEE Internet of Things Journal, 2021, 8, 2681-2693.	8.7	7
39	Performance of SWIPT for AF MIMO Relay Systems With Direct Link. IEEE Communications Letters, 2018, 22, 340-343.	4.1	7
40	Deep Reinforcement Learning for Caching Placement and Content Delivery in UAV NOMA Networks. , 2020, , .		7
41	Network-coded primary-secondary cooperation in OFDM-based cognitive multicast networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	6
42	Joint Subcarrier Assignment and Downlink-Uplink Time-Power Allocation for Wireless Powered OFDM-NOMA Systems. , 2018, , .		6
43	Secure connectivity analysis in unmanned aerial vehicle networks. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 409-422.	2.6	6
44	Graph-based spectrum sharing for multiuser OFDM Cognitive Radio Networks. , 2011, , .		5
45	Non-Ideal Backhaul Based Spectrum Splitting and Power Allocation for Downlink CoMP in Cognitive Macro/Femtocell Networks. IEEE Communications Letters, 2014, 18, 1031-1034.	4.1	5
46	Underlaid-D2D-assisted cooperative multicast based on social networks. Peer-to-Peer Networking and Applications, 2016, 9, 923-935.	3.9	5
47	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
48	Machine Learning-Empowered Beam Management for mmWave-NOMA in Multi-UAVs Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 8487-8502.	6.3	5
49	Joint overlay and underlay resource allocation with weighted fairness in OFDM-based cognitive radio systems. International Journal of Communication Systems, 2015, 28, 1692-1708.	2.5	4
50	Deep Neural Network-Based Robust Spectrum Sensing: Exploiting Phase Difference Distribution. , 2021, , .		4
51	Prioritized Delay Optimization for NOMA-Based Multi-UAV Emergency Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 11222-11227.	6.3	4
52	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
53	Continuous Hidden Markov Model Based Spectrum Sensing with Estimated SNR for Cognitive UAV Networks. Sensors, 2022, 22, 2620.	3.8	3
54	A distributed call admission control scheme for QoS provisioning in OFDMA system. , 2011, , .		2

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55	Simultaneous Information and Power Transfer for Multi-antenna Primary-Secondary Cooperation in Cognitive Radio Networks. ETRI Journal, 2016, 38, 941-951.	2.0	2
56	Opportunistic Packet Scheduling in OFDM Distributed Antenna Systems. , 2009, , .		1
57	Resource allocation for multiple description coding multicast in OFDM-based cognitive radio systems with non-full buffer traffic. , 2013, , .		1
58	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
59	Delay Estimation of UAV Communications Based on Fountain Codes. , 2019, , .		1
60	Machine Learning-Based Energy-Spectrum Two-Dimensional Cognition in Energy Harvesting CRNs. IEEE Access, 2020, 8, 158911-158927.	4.2	1
61	Reliable Random Access for Decentralized UAV Networks Based on Raptor Codes. IEEE Internet of Things Journal, 2021, 8, 16571-16584.	8.7	1
62	Analysis of D2D-Aided Underlying Uplink Cellular Networks Using Poisson Hole Process. IEEE Access, 2021, 9, 12521-12532.	4.2	1
63	Energy-Efficient Layered Video Multicast over OFDM-Based Cognitive Radio Systems. International Journal of Distributed Sensor Networks, 2015, 2015, 1-12.	2.2	1
64	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
65	Online Power Adaption for Energy Efficiency in Cognitive Radio Networks. , 2010, , .		0
66	An Enhanced Paradigm for Cognitive Cooperation Networks: Two-to-One Energy and Spectrum Dual-Cooperation. Sensors, 2018, 18, 2085.	3.8	0
67	Special Issue on Wireless Powered Communications Networks. Journal of Signal Processing Systems, 2018, 90, 805-806.	2.1	0
68	Correction to "Joint Trajectory Optimization and User Scheduling for Rotary-Wing UAV-Enabled Wireless Powered Communication Networks" IEEE Access, 2022, 10, 33855-33855.	4.2	0