Jingjing Wang

List of Publications by Citations

78 papers	2,489 citations	25 h-index	49 g-index
84 ext. papers	3,239 ext. citations	7.5 avg, IF	5.9 L-index

#	Paper	IF	Citations
78	Taking Drones to the Next Level: Cooperative Distributed Unmanned-Aerial-Vehicular Networks for Small and Mini Drones. *IEEE Vehicular Technology Magazine*, **2017**, 12, 73-82	9.9	248
77	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1472-1514	37.1	241
76	Joint UAV Hovering Altitude and Power Control for Space-Air-Ground IoT Networks. *IEEE Internet of Things Journal*, **2019**, 6, 1741-1753	10.7	137
75	Resource Trading in Blockchain-Based Industrial Internet of Things. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3602-3609	11.9	130
74	Energy-Efficient Computation Offloading for Secure UAV-Edge-Computing Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 6074-6087	6.8	116
73	A Comprehensive Survey on UAV Communication Channel Modeling. *IEEE Access*, **2019**, 7, 107769-107792	3.5	112
72	Internet of Vehicles: Sensing-Aided Transportation Information Collection and Diffusion. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 3813-3825	6.8	102
71	Vehicular Sensing Networks in a Smart City: Principles, Technologies and Applications. *IEEE Wireless Communications*, **2018**, 25, 122-132	13.4	98
70	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. *IEEE Internet of Things Journal*, **2020**, 7, 6898-6908	10.7	96
69	. *IEEE Internet of Things Journal*, **2020**, 7, 7097-7111	10.7	92
68	Resource Allocation for Multi-UAV Aided IoT NOMA Uplink Transmission Systems. *IEEE Internet of Things Journal*, **2019**, 6, 7025-7037	10.7	90
67	Aeronautical $Ad~Hoc$ Networking for the Internet-Above-the-Clouds. *Proceedings of the IEEE*, **2019**, 107, 868-911	14.3	83
66	Placement and Power Allocation for NOMA-UAV Networks. *IEEE Wireless Communications Letters*, **2019**, 8, 965-968	5.9	69
65	A Near-Optimal UAV-Aided Radio Coverage Strategy for Dense Urban Areas. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9098-9109	6.8	65
64	Distributed Q-Learning Aided Heterogeneous Network Association for Energy-Efficient IIoT. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 2756-2764	11.9	59
63	Capsule Network Assisted IoT Traffic Classification Mechanism for Smart Cities. *IEEE Internet of Things Journal*, **2019**, 6, 7515-7525	10.7	53
62	. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 3561-3574	6.8	43

61	Network Association Strategies for an Energy Harvesting Aided Super-WiFi Network Relying on Measured Solar Activity. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 3785-3797	14.2	43
60	Age of Information in Energy Harvesting Aided Massive Multiple Access Networks. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	36
59	Stochastic Optimization Aided Energy-Efficient Information Collection in Internet of Underwater Things Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	32
58	Rechargeable Multi-UAV Aided Seamless Coverage for QoS-Guaranteed IoT Networks. *IEEE Internet of Things Journal*, **2019**, 6, 10902-10914	10.7	29
57	Mobile Data Transactions in Device-to-Device Communication Networks: Pricing and Auction. *IEEE Wireless Communications Letters*, **2016**, 5, 300-303	5.9	28
56	The Value Strength Aided Information Diffusion in Socially-Aware Mobile Networks. *IEEE Access*, **2016**, 4, 3907-3919	3.5	27
55	AoI-Inspired Collaborative Information Collection for AUV-Assisted Internet of Underwater Things. *IEEE Internet of Things Journal*, **2021**, 8, 14559-14571	10.7	27
54	Machine Learning Aided Load Balance Routing Scheme Considering Queue Utilization. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7987-7999	6.8	26
53	Stability of Cloud-Based UAV Systems Supporting Big Data Acquisition and Processing. *IEEE Transactions on Cloud Computing*, **2019**, 7, 866-877	3.3	25
52	Distributed Fog Computing for Latency and Reliability Guaranteed Swarm of Drones. *IEEE Access*, **2020**, 8, 7117-7130	3.5	24
51	The Transmit-Energy vs Computation-Delay Trade-Off in Gateway-Selection for Heterogenous Cloud Aided Multi-UAV Systems. *IEEE Transactions on Communications*, **2019**, 67, 3026-3039	6.9	24
50	Deep-Reinforcement-Learning-Based Autonomous UAV Navigation With Sparse Rewards. *IEEE Internet of Things Journal*, **2020**, 7, 6180-6190	10.7	23
49	A Continuous-Decision Virtual Network Embedding Scheme Relying on Reinforcement Learning. *IEEE Transactions on Network and Service Management*, **2020**, 17, 864-875	4.8	21
48	Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 16067-16081	6.8	20
47	Aggressive congestion control mechanism for space systems. *IEEE Aerospace and Electronic Systems Magazine*, **2016**, 31, 28-33	2.4	17
46	MagicNet: The Maritime Giant Cellular Network. *IEEE Communications Magazine*, **2021**, 59, 117-123	9.1	17
45	Joint Resource Allocation and UAV Trajectory Optimization for Space-Air-Ground Internet of Remote Things Networks. *IEEE Systems Journal*, **2020**, 1-11	4.3	15
44	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 10033-10045	6.8	14

43	Complex network theoretical analysis on information dissemination over vehicular networks **2016**,		13
42	Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1766-1776	6.8	12
41	Green Wi-Fi Implementation and Management in Dense Autonomous Environments for Smart Cities. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 1552-1563	11.9	11
40	Network Association in Machine-Learning Aided Cognitive Radar and Communication Co-Design. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 2322-2336	14.2	10
39	Multi-Agent Reinforcement Learning Aided Intelligent UAV Swarm for Target Tracking. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	10
38	The value strength aided information diffusion in online social networks **2016**,		9
37	Content Aided Clustering and Cluster Head Selection Algorithms in Vehicular Networks **2017**,		8
36	Private Information Diffusion Control in Cyber Physical Systems: A Game Theory Perspective **2017**,		8
35	Reliability of Cloud Controlled Multi-UAV Systems for On-Demand Services **2017**,		8
34	Latency and Reliability Oriented Collaborative Optimization for Multi-UAV Aided Mobile Edge Computing System **2020**,		8
33	QLACO: Q-learning Aided Ant Colony Routing Protocol for Underwater Acoustic Sensor Networks **2020**,		7
32	Distributed Hierarchical Information Acquisition Systems Based on AUV Enabled Sensor Networks **2019**,		7
31	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. *IEEE Internet of Things Journal*, **2021**, 8, 1623-1635	10.7	7
30	Timing Synchronization and Ranging in Networked UAV-Aided OFDM Systems. *Journal of Communications and Information Networks*, **2018**, 3, 45-54		7
29	Artificial Intelligence Empowered QoS-Oriented Network Association for Next-Generation Mobile Networks. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 7, 856-870	6.6	7
28	Edge Intelligence for Mission-Critical 6G Services in Space-Air-Ground Integrated Networks. *IEEE Network*, **2022**, 1-9	11.4	7
27	Image retrieval and classification on deep convolutional SparkNet **2016**,		6
26	UAV Aided Network Association in Space-Air-Ground Communication Networks **2018**,		6

25	Hardware-in-the-loop simulation system for space information networks. *Journal of Communications and Information Networks*, **2017**, 2, 131-141		5
24	Green Wi-Fi Management: Implementation on Partially Overlapped Channels. *IEEE Transactions on Green Communications and Networking*, **2018**, 2, 346-359	4	4
23	Big data driven information diffusion analysis and control in online social networks **2017**,		4
22	Multi-Agent Driven Resource Allocation and Interference Management for Deep Edge Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	4
21	Machine-Learning-Aided Mission-Critical Internet of Underwater Things. *IEEE Network*, **2021**, 35, 160-166	11.4	4
20	Do we really need more training data for object localization **2017**,		3
19	Big Data Driven Similarity Based U-Model for Online Social Networks **2017**,		3
18	Contract Based Information Collection in Underwater Acoustic Sensor Networks **2020**,		3
17	Priority-Oriented Trajectory Planning for UAV-Aided Time-Sensitive IoT Networks **2020**,		3
16	Low-Complexity Adaptive Optics Aided Orbital Angular Momentum Based Wireless Communications. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 7812-7824	6.8	3
15	A Sink Node Assisted Lightweight Intrusion Detection Mechanism for WBAN **2018**,		2
14	Performance Analysis and Optimization for V2V-assisted UAV Communications in Vehicular Networks **2020**,		2
13	Heterogeneous Multi-AUV Aided Green Internet of Underwater Things **2021**,		2
12	Multi-UAV Cooperative Target Tracking Based on Swarm Intelligence **2021**,		2
11	Distributed Optical Fibre Sensing System for Large Infrastructure Temperature Monitoring. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	2
10	Network Association for Cognitive Communication and Radar Co-Systems: A POMDP Formulation **2018**,		1
9	Asymmetric normalization aided information diffusion for socially-aware mobile networks **2017**,		1
8	Distributed Multi-Agent Empowered Resource Allocation in Deep Edge Networks **2021**,		1

7	An Energy-Efficient UAV Recharging and Reshuffling Strategy for Seamless Coverage **2019**,		1
6	Joint Node Assignment and Trajectory Optimization for Rechargeable Multi-UAV Aided IoT Systems **2019**,		1
5	Seamless Coverage Strategies of FANET. *Wireless Networks*, **2022**, 41-119	0.6	0
4	Mobile Edge Computing in FANET. *Wireless Networks*, **2022**, 197-287	0.6	
3	Cooperative Resource Allocation in FANET. *Wireless Networks*, **2022**, 121-195	0.6	
2	Introduction of Flying Ad Hoc Networks. *Wireless Networks*, **2022**, 1-10	0.6	
1	Communication Channels in FANET. *Wireless Networks*, **2022**, 11-40	0.6	