Jingjing Wang

List of Publications by Year
in descending order

81	4,297	126907	175258
papers	citations	33	52
		h-index	g-index

84	84	84	3773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed Optical Fiber Sensing System for Large Infrastructure Temperature Monitoring. IEEE Internet of Things Journal, 2022, 9, 3333-3345.	8.7	7
2	Stochastic Optimization-Aided Energy-Efficient Information Collection in Internet of Underwater Things Networks. IEEE Internet of Things Journal, 2022, 9, 1775-1789.	8.7	73
3	Multi-Agent Reinforcement Learning Aided Intelligent UAV Swarm for Target Tracking. IEEE Transactions on Vehicular Technology, 2022, 71, 931-945.	6.3	60
4	Multi-Agent Driven Resource Allocation and Interference Management for Deep Edge Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2018-2030.	6.3	12
5	Age of Information in Energy Harvesting Aided Massive Multiple Access Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 1441-1456.	14.0	84
6	Edge Intelligence for Mission-Critical 6G Services in Space-Air-Ground Integrated Networks. IEEE Network, 2022, 36, 181-189.	6.9	27
7	Cooperative Resource Allocation in FANET. Wireless Networks, 2022, , 121-195.	0.5	1
8	Seamless Coverage Strategies of FANET. Wireless Networks, 2022, , 41-119.	0.5	1
9	Joint Resource Allocation and UAV Trajectory Optimization for Space–Air–Ground Internet of Remote Things Networks. IEEE Systems Journal, 2021, 15, 4745-4755.	4.6	46
10	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. IEEE Internet of Things Journal, 2021, 8, 1623-1635.	8.7	17
11	MagicNet: The Maritime Giant Cellular Network. IEEE Communications Magazine, 2021, 59, 117-123.	6.1	39
12	Heterogeneous Multi-AUV Aided Green Internet of Underwater Things. , 2021, , .		3
13	Distributed Multi-Agent Empowered Resource Allocation in Deep Edge Networks. , 2021, , .		2
14	Efficient On-Demand UAV Deployment and Configuration for Off-Shore Relay Communications. , 2021, , .		3
15	Multi-UAV Cooperative Target Tracking Based on Swarm Intelligence. , 2021, , .		6
16	Machine-Learning-Aided Mission-Critical Internet of Underwater Things. IEEE Network, 2021, 35, 160-166.	6.9	10
17	Low-Complexity Adaptive Optics Aided Orbital Angular Momentum Based Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 7812-7824.	6.3	16
18	Artificial Intelligence Empowered QoS-Oriented Network Association for Next-Generation Mobile Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 856-870.	7.9	13

#	Article	IF	Citations
19	AoI-Inspired Collaborative Information Collection for AUV-Assisted Internet of Underwater Things. IEEE Internet of Things Journal, 2021, 8, 14559-14571.	8.7	66
20	Distributed Q-Learning Aided Heterogeneous Network Association for Energy-Efficient IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2756-2764.	11.3	95
21	Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 1766-1776.	6.3	26
22	Priority-Oriented Trajectory Planning for UAV-Aided Time-Sensitive IoT Networks. , 2020, , .		6
23	Latency and Reliability Oriented Collaborative Optimization for Multi-UAV Aided Mobile Edge Computing System. , 2020, , .		18
24	Performance Analysis and Optimization for V2V-assisted UAV Communications in Vehicular Networks. , 2020, , .		11
25	Reliable Computation Offloading for Edge-Computing-Enabled Software-Defined IoV. IEEE Internet of Things Journal, 2020, 7, 7097-7111.	8.7	194
26	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. IEEE Transactions on Vehicular Technology, 2020, 69, 10033-10045.	6.3	23
27	QLACO: Q-learning Aided Ant Colony Routing Protocol for Underwater Acoustic Sensor Networks. , 2020, , .		14
28	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. IEEE Internet of Things Journal, 2020, 7, 6898-6908.	8.7	206
29	Deep-Reinforcement-Learning-Based Autonomous UAV Navigation With Sparse Rewards. IEEE Internet of Things Journal, 2020, 7, 6180-6190.	8.7	82
30	A Continuous-Decision Virtual Network Embedding Scheme Relying on Reinforcement Learning. IEEE Transactions on Network and Service Management, 2020, 17, 864-875.	4.9	49
31	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1472-1514.	39.4	361
32	Distributed Fog Computing for Latency and Reliability Guaranteed Swarm of Drones. IEEE Access, 2020, 8, 7117-7130.	4.2	54
33	Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 16067-16081.	6.3	87
34	Machine Learning Paradigms in Wireless Network Association. , 2020, , 746-754.		0
35	AUV Path Planning with Kinematic Constraints in Unknown Environment Using Reinforcement Learning. , 2020, , .		3
36	Contract Based Information Collection in Underwater Acoustic Sensor Networks. , 2020, , .		4

#	Article	IF	Citations
37	A Comprehensive Survey on UAV Communication Channel Modeling. IEEE Access, 2019, 7, 107769-107792.	4.2	223
38	Network Association in Machine-Learning Aided Cognitive Radar and Communication Co-Design. IEEE Journal on Selected Areas in Communications, 2019, 37, 2322-2336.	14.0	19
39	Machine Learning Aided Load Balance Routing Scheme Considering Queue Utilization. IEEE Transactions on Vehicular Technology, 2019, 68, 7987-7999.	6.3	35
40	Distributed Hierarchical Information Acquisition Systems Based on AUV Enabled Sensor Networks. , 2019, , .		10
41	Rechargeable Multi-UAV Aided Seamless Coverage for QoS-Guaranteed IoT Networks. IEEE Internet of Things Journal, 2019, 6, 10902-10914.	8.7	51
42	A Near-Optimal UAV-Aided Radio Coverage Strategy for Dense Urban Areas. IEEE Transactions on Vehicular Technology, 2019, 68, 9098-9109.	6.3	127
43	Aeronautical $Ad~Hoc$ Networking for the Internet-Above-the-Clouds. Proceedings of the IEEE, 2019, 107, 868-911.	21.3	132
44	Energy-Efficient Computation Offloading for Secure UAV-Edge-Computing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6074-6087.	6.3	180
45	Resource Allocation for Multi-UAV Aided IoT NOMA Uplink Transmission Systems. IEEE Internet of Things Journal, 2019, 6, 7025-7037.	8.7	145
46	Resource Trading in Blockchain-Based Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2019, 15, 3602-3609.	11.3	201
47	Placement and Power Allocation for NOMA-UAV Networks. IEEE Wireless Communications Letters, 2019, 8, 965-968.	5.0	121
48	Capsule Network Assisted IoT Traffic Classification Mechanism for Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7515-7525.	8.7	99
49	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.	7.8	35
50	An Energy-Efficient UAV Recharging and Reshuffling Strategy for Seamless Coverage. , 2019, , .		3
51	Joint Node Assignment and Trajectory Optimization for Rechargeable Multi-UAV Aided IoT Systems. , 2019, , .		3
52	Joint UAV Hovering Altitude and Power Control for Space-Air-Ground IoT Networks. IEEE Internet of Things Journal, 2019, 6, 1741-1753.	8.7	208
53	Stability of Cloud-Based UAV Systems Supporting Big Data Acquisition and Processing. IEEE Transactions on Cloud Computing, 2019, 7, 866-877.	4.4	46
54	Green Wi-Fi Management: Implementation on Partially Overlapped Channels. IEEE Transactions on Green Communications and Networking, 2018, 2, 346-359.	5.5	4

#	Article	IF	Citations
55	Green Wi-Fi Implementation and Management in Dense Autonomous Environments for Smart Cities. IEEE Transactions on Industrial Informatics, 2018, 14, 1552-1563.	11.3	11
56	Vehicular Sensing Networks in a Smart City: Principles, Technologies and Applications. IEEE Wireless Communications, 2018, 25, 122-132.	9.0	143
57	Internet of Vehicles: Sensing-Aided Transportation Information Collection and Diffusion. IEEE Transactions on Vehicular Technology, 2018, 67, 3813-3825.	6.3	130
58	Learning-Aided Network Association for Hybrid Indoor LiFi-WiFi Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3561-3574.	6.3	59
59	UAV Aided Network Association in Space-Air-Ground Communication Networks. , 2018, , .		8
60	Colonel Blotto Game Aided Attack-Defense Analysis in Real-World Networks. , 2018, , .		0
61	Timing Synchronization and Ranging in Networked UAV-Aided OFDM Systems. Journal of Communications and Information Networks, 2018, 3, 45-54.	5.2	10
62	Machine Learning Paradigms in Wireless Network Association. , 2018, , 1-9.		4
63	Network Association for Cognitive Communication and Radar Co-Systems: A POMDP Formulation. , 2018, , .		1
64	A Sink Node Assisted Lightweight Intrusion Detection Mechanism for WBAN. , 2018, , .		4
65	Content Aided Clustering and Cluster Head Selection Algorithms in Vehicular Networks. , 2017, , .		9
66	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.	3.4	343
67	Big data driven information diffusion analysis and control in online social networks. , 2017, , .		5
68	Asymmetric normalization aided information diffusion for socially-aware mobile networks. , 2017, , .		1
69	Private Information Diffusion Control in Cyber Physical Systems: A Game Theory Perspective. , 2017, , .		10
70	Do we really need more training data for object localization. , 2017, , .		5
71	Energy Efficient Hybrid Duplexing and Resource Allocation for Distributed Antenna Systems. , 2017, , .		0
72	Hardware-in-the-loop simulation system for space information networks. Journal of Communications and Information Networks, 2017, 2, 131-141.	5.2	8

#	Article	IF	Citations
73	Big Data Driven Similarity Based U-Model for Online Social Networks. , 2017, , .		4
74	Reliability of Cloud Controlled Multi-UAV Systems for On-Demand Services. , 2017, , .		9
75	Image retrieval and classification on deep convolutional SparkNet. , 2016, , .		8
76	Mobile Data Transactions in Device-to-Device Communication Networks: Pricing and Auction. IEEE Wireless Communications Letters, 2016, 5, 300-303.	5.0	35
77	The Value Strength Aided Information Diffusion in Socially-Aware Mobile Networks. IEEE Access, 2016, 4, 3907-3919.	4.2	31
78	Complex network theoretical analysis on information dissemination over vehicular networks. , 2016, , .		14
79	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.	14.0	49
80	The value strength aided information diffusion in online social networks. , 2016, , .		11
81	Aggressive congestion control mechanism for space systems. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 28-33.	1.3	23