

Jingjing Wang

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,297
citations

126907

33
h-index

175258

52
g-index

84
all docs

84
docs citations

84
times ranked

3773
citing authors

#	ARTICLE	IF	CITATIONS
1	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1472-1514.	39.4	361
2	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
3	A Comprehensive Survey on UAV Communication Channel Modeling. IEEE Access, 2019, 7, 107769-107792.	4.2	223
4	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
5	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. IEEE Internet of Things Journal, 2020, 7, 6898-6908.	8.7	206
6	Resource Trading in Blockchain-Based Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2019, 15, 3602-3609.	11.3	201
7	Reliable Computation Offloading for Edge-Computing-Enabled Software-Defined IoV. IEEE Internet of Things Journal, 2020, 7, 7097-7111.	8.7	194
8	Energy-Efficient Computation Offloading for Secure UAV-Edge-Computing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6074-6087.	6.3	180
9	Resource Allocation for Multi-UAV Aided IoT NOMA Uplink Transmission Systems. IEEE Internet of Things Journal, 2019, 6, 7025-7037.	8.7	145
10	Vehicular Sensing Networks in a Smart City: Principles, Technologies and Applications. IEEE Wireless Communications, 2018, 25, 122-132.	9.0	143
11	Aeronautical \$Ad-Hoc\$ Networking for the Internet-Above-the-Clouds. Proceedings of the IEEE, 2019, 107, 868-911.	21.3	132
12	Internet of Vehicles: Sensing-Aided Transportation Information Collection and Diffusion. IEEE Transactions on Vehicular Technology, 2018, 67, 3813-3825.	6.3	130
13	A Near-Optimal UAV-Aided Radio Coverage Strategy for Dense Urban Areas. IEEE Transactions on Vehicular Technology, 2019, 68, 9098-9109.	6.3	127
14	Placement and Power Allocation for NOMA-UAV Networks. IEEE Wireless Communications Letters, 2019, 8, 965-968.	5.0	121
15	Capsule Network Assisted IoT Traffic Classification Mechanism for Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7515-7525.	8.7	99
16	Distributed Q-Learning Aided Heterogeneous Network Association for Energy-Efficient IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2756-2764.	11.3	95
17	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
18	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

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19	Deep-Reinforcement-Learning-Based Autonomous UAV Navigation With Sparse Rewards. IEEE Internet of Things Journal, 2020, 7, 6180-6190.	8.7	82
20	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
21	AoI-Inspired Collaborative Information Collection for AUV-Assisted Internet of Underwater Things. IEEE Internet of Things Journal, 2021, 8, 14559-14571.	8.7	66
22	Multi-Agent Reinforcement Learning Aided Intelligent UAV Swarm for Target Tracking. IEEE Transactions on Vehicular Technology, 2022, 71, 931-945.	6.3	60
23	Learning-Aided Network Association for Hybrid Indoor LiFi-WiFi Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3561-3574.	6.3	59
24	Distributed Fog Computing for Latency and Reliability Guaranteed Swarm of Drones. IEEE Access, 2020, 8, 7117-7130.	4.2	54
25	Rechargeable Multi-UAV Aided Seamless Coverage for QoS-Guaranteed IoT Networks. IEEE Internet of Things Journal, 2019, 6, 10902-10914.	8.7	51
26	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
27	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
28	Stability of Cloud-Based UAV Systems Supporting Big Data Acquisition and Processing. IEEE Transactions on Cloud Computing, 2019, 7, 866-877.	4.4	46
29	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
30	MagicNet: The Maritime Giant Cellular Network. IEEE Communications Magazine, 2021, 59, 117-123.	6.1	39
31	Mobile Data Transactions in Device-to-Device Communication Networks: Pricing and Auction. IEEE Wireless Communications Letters, 2016, 5, 300-303.	5.0	35
32	Machine Learning Aided Load Balance Routing Scheme Considering Queue Utilization. IEEE Transactions on Vehicular Technology, 2019, 68, 7987-7999.	6.3	35
33	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
34	The Value Strength Aided Information Diffusion in Socially-Aware Mobile Networks. IEEE Access, 2016, 4, 3907-3919.	4.2	31
35	Edge Intelligence for Mission-Critical 6G Services in Space-Air-Ground Integrated Networks. IEEE Network, 2022, 36, 181-189.	6.9	27
36	Multicast Beamforming Optimization in Cloud-Based Heterogeneous Terrestrial and Satellite Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 1766-1776.	6.3	26

#	ARTICLE	IF	CITATIONS
37	Aggressive congestion control mechanism for space systems. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 28-33.	1.3	23
38	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. IEEE Transactions on Vehicular Technology, 2020, 69, 10033-10045.	6.3	23
39	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
40	Latency and Reliability Oriented Collaborative Optimization for Multi-UAV Aided Mobile Edge Computing System. , 2020, , .		18
41	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. IEEE Internet of Things Journal, 2021, 8, 1623-1635.	8.7	17
42	Low-Complexity Adaptive Optics Aided Orbital Angular Momentum Based Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 7812-7824.	6.3	16
43	Complex network theoretical analysis on information dissemination over vehicular networks. , 2016, , .		14
44	QLACO: Q-learning Aided Ant Colony Routing Protocol for Underwater Acoustic Sensor Networks. , 2020, , .		14
45	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
46	Multi-Agent Driven Resource Allocation and Interference Management for Deep Edge Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2018-2030.	6.3	12
47	The value strength aided information diffusion in online social networks. , 2016, , .		11
48	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
49	Performance Analysis and Optimization for V2V-assisted UAV Communications in Vehicular Networks. , 2020, , .		11
50	Private Information Diffusion Control in Cyber Physical Systems: A Game Theory Perspective. , 2017, , .		10
51	Timing Synchronization and Ranging in Networked UAV-Aided OFDM Systems. Journal of Communications and Information Networks, 2018, 3, 45-54.	5.2	10
52	Distributed Hierarchical Information Acquisition Systems Based on AUV Enabled Sensor Networks. , 2019, , .		10
53	Machine-Learning-Aided Mission-Critical Internet of Underwater Things. IEEE Network, 2021, 35, 160-166.	6.9	10
54	Content Aided Clustering and Cluster Head Selection Algorithms in Vehicular Networks. , 2017, , .		9

#	ARTICLE	IF	CITATIONS
55	Reliability of Cloud Controlled Multi-UAV Systems for On-Demand Services. , 2017, , .		9
56	Image retrieval and classification on deep convolutional SparkNet. , 2016, , .		8
57	Hardware-in-the-loop simulation system for space information networks. Journal of Communications and Information Networks, 2017, 2, 131-141.	5.2	8
58	UAV Aided Network Association in Space-Air-Ground Communication Networks. , 2018, , .		8
59	Distributed Optical Fiber Sensing System for Large Infrastructure Temperature Monitoring. IEEE Internet of Things Journal, 2022, 9, 3333-3345.	8.7	7
60	Priority-Oriented Trajectory Planning for UAV-Aided Time-Sensitive IoT Networks. , 2020, , .		6
61	Multi-UAV Cooperative Target Tracking Based on Swarm Intelligence. , 2021, , .		6
62	Big data driven information diffusion analysis and control in online social networks. , 2017, , .		5
63	Do we really need more training data for object localization. , 2017, , .		5
64	Big Data Driven Similarity Based U-Model for Online Social Networks. , 2017, , .		4
65	Green Wi-Fi Management: Implementation on Partially Overlapped Channels. IEEE Transactions on Green Communications and Networking, 2018, 2, 346-359.	5.5	4
66	Machine Learning Paradigms in Wireless Network Association. , 2018, , 1-9.		4
67	A Sink Node Assisted Lightweight Intrusion Detection Mechanism for WBAN. , 2018, , .		4
68	Contract Based Information Collection in Underwater Acoustic Sensor Networks. , 2020, , .		4
69	An Energy-Efficient UAV Recharging and Reshuffling Strategy for Seamless Coverage. , 2019, , .		3
70	Joint Node Assignment and Trajectory Optimization for Rechargeable Multi-UAV Aided IoT Systems. , 2019, , .		3
71	Heterogeneous Multi-AUV Aided Green Internet of Underwater Things. , 2021, , .		3
72	Efficient On-Demand UAV Deployment and Configuration for Off-Shore Relay Communications. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
73	AUV Path Planning with Kinematic Constraints in Unknown Environment Using Reinforcement Learning. , 2020, , .		3
74	Distributed Multi-Agent Empowered Resource Allocation in Deep Edge Networks. , 2021, , .		2
75	Asymmetric normalization aided information diffusion for socially-aware mobile networks. , 2017, , .		1
76	Network Association for Cognitive Communication and Radar Co-Systems: A POMDP Formulation. , 2018, , .		1
77	Cooperative Resource Allocation in FANET. <i>Wireless Networks</i> , 2022, , 121-195.	0.5	1
78	Seamless Coverage Strategies of FANET. <i>Wireless Networks</i> , 2022, , 41-119.	0.5	1
79	Energy Efficient Hybrid Duplexing and Resource Allocation for Distributed Antenna Systems. , 2017, , .		0
80	Colonel Blotto Game Aided Attack-Defense Analysis in Real-World Networks. , 2018, , .		0
81	Machine Learning Paradigms in Wireless Network Association. , 2020, , 746-754.		0