Jingjing Wang

List of Publications by Year
in descending order

121 papers	4,891 citations	117625 34 h-index	95266 68 g-index
121 all docs	121 docs citations	121 times ranked	4396 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	OAE-EEKNN: An Accurate and Efficient Automatic Modulation Recognition Method for Underwater Acoustic Signals. IEEE Signal Processing Letters, 2022, 29, 518-522.	3.6	3
5	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
6	On Solving *Link-a-Pix* Picture Puzzles. IEEE Transactions on Games, 2021, 13, 321-324.	1.4	0
7	Dynamic Aerial Base Station Placement for Minimum-Delay Communications. IEEE Internet of Things Journal, 2021, 8, 1623-1635.	8.7	17
8	Fifty Years of Noise Modeling and Mitigation in Power-Line Communications. IEEE Communications Surveys and Tutorials, 2021, 23, 41-69.	39.4	23
9	MagicNet: The Maritime Giant Cellular Network. IEEE Communications Magazine, 2021, 59, 117-123.	6.1	39
10	Machine-Learning-Aided Mission-Critical Internet of Underwater Things. IEEE Network, 2021, 35, 160-166.	6.9	10
11	Low-Complexity Adaptive Optics Aided Orbital Angular Momentum Based Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 7812-7824.	6.3	16
12	Performance Analysis and Prediction for Mobile Internet-of-Things (IoT) Networks: A CNN Approach. IEEE Internet of Things Journal, 2021, 8, 13355-13366.	8.7	17
13	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
14	AoI-Inspired Collaborative Information Collection for AUV-Assisted Internet of Underwater Things. IEEE Internet of Things Journal, 2021, 8, 14559-14571.	8.7	66
15	A Novel Underwater Acoustic Signal Denoising Algorithm for Gaussian/Non-Gaussian Impulsive Noise. IEEE Transactions on Vehicular Technology, 2021, 70, 429-445.	6.3	51
16	Physical Layer Security Performance of Mobile Vehicular Networks. Mobile Networks and Applications, 2020, 25, 643-649.	3.3	21
17	Colonel Blotto Games in Network Systems: Models, Strategies, and Applications. IEEE Transactions on Network Science and Engineering, 2020, 7, 637-649.	6.4	22
18	Joint Multicast Beamforming and Relay Design for Maritime Communication Systems. IEEE Transactions on Green Communications and Networking, 2020, 4, 139-151.	5.5	26

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19	Distributed Q-Learning Aided Heterogeneous Network Association for Energy-Efficient IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2756-2764.	11.3	95
20	BP neural network-based ABEP performance prediction for mobile Internet of Things communication systems. Neural Computing and Applications, 2020, 32, 16025-16041.	5.6	27
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	A Hierarchical Information Acquisition System for AUV Assisted Internet of Underwater Things. IEEE Access, 2020, 8, 176089-176100.	4.2	26
23	Priority-Oriented Trajectory Planning for UAV-Aided Time-Sensitive IoT Networks. , 2020, , .		6
24	A User Association Policy for UAV-aided Time-varying Vehicular Networks with MEC. , 2020, , .		4
25	Performance Analysis and Optimization for V2V-assisted UAV Communications in Vehicular Networks. , 2020, , .		11
26	Reliable Computation Offloading for Edge-Computing-Enabled Software-Defined IoV. IEEE Internet of Things Journal, 2020, 7, 7097-7111.	8.7	194
27	Security Enhancement for NOMA-UAV Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3994-4005.	6.3	116
28	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. IEEE Transactions on Vehicular Technology, 2020, 69, 10033-10045.	6.3	23
29	QLACO: Q-learning Aided Ant Colony Routing Protocol for Underwater Acoustic Sensor Networks. , 2020, , .		14
30	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. IEEE Internet of Things Journal, 2020, 7, 6898-6908.	8.7	206
31	Deep-Reinforcement-Learning-Based Autonomous UAV Navigation With Sparse Rewards. IEEE Internet of Things Journal, 2020, 7, 6180-6190.	8.7	82
32	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
33	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1472-1514.	39.4	361
34	Distributed Fog Computing for Latency and Reliability Guaranteed Swarm of Drones. IEEE Access, 2020, 8, 7117-7130.	4.2	54
35	Heterogeneous Semi-Blind Interference Alignment in Finite-SNR Networks With Fairness Consideration. IEEE Transactions on Wireless Communications, 2020, 19, 2472-2488.	9.2	12
36	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

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37	AUV Path Planning with Kinematic Constraints in Unknown Environment Using Reinforcement Learning. , 2020, , .		3
38	Contract Based Information Collection in Underwater Acoustic Sensor Networks. , 2020, , .		4
39	A Comprehensive Survey on UAV Communication Channel Modeling. IEEE Access, 2019, 7, 107769-107792.	4.2	223
40	Network Association in Machine-Learning Aided Cognitive Radar and Communication Co-Design. IEEE Journal on Selected Areas in Communications, 2019, 37, 2322-2336.	14.0	19
41	Underwater Acoustic Sparse Channel Estimation Based on DW-SACoSaMP Reconstruction Algorithm. IEEE Communications Letters, 2019, 23, 1985-1988.	4.1	11
42	Satellite Image Prediction Relying on GAN and LSTM Neural Networks. , 2019, , .		43
43	Machine Learning Aided Load Balance Routing Scheme Considering Queue Utilization. IEEE Transactions on Vehicular Technology, 2019, 68, 7987-7999.	6.3	35
44	A Load-Based Hybrid MAC Protocol for Underwater Wireless Sensor Networks. IEEE Access, 2019, 7, 104542-104552.	4.2	14
45	Distributed Hierarchical Information Acquisition Systems Based on AUV Enabled Sensor Networks. , 2019, , .		10
46	Rechargeable Multi-UAV Aided Seamless Coverage for QoS-Guaranteed IoT Networks. IEEE Internet of Things Journal, 2019, 6, 10902-10914.	8.7	51
47	Optimal Beamforming Design for Underwater Acoustic Communication With Multiple Unsteady Sub-Gaussian Interferers. IEEE Transactions on Vehicular Technology, 2019, 68, 12381-12386.	6.3	20
48	A Near-Optimal UAV-Aided Radio Coverage Strategy for Dense Urban Areas. IEEE Transactions on Vehicular Technology, 2019, 68, 9098-9109.	6.3	127
49	A Machine Learning Approach of Load Balance Routing to Support Next-Generation Wireless Networks. , 2019, , .		5
50	Power-Delay Trade-off for Heterogenous Cloud Enabled Multi-UAV Systems. , 2019, , .		5
51	Robust Beamforming for Multibeam Satellite Communication in the Face of Phase Perturbations. IEEE Transactions on Vehicular Technology, 2019, 68, 3043-3047.	6.3	25
52	A Novel Energy-Efficient Contention-Based MAC Protocol Used for OA-UWSN. Sensors, 2019, 19, 183.	3.8	15
53	Aeronautical $Ad~Hoc$ Networking for the Internet-Above-the-Clouds. Proceedings of the IEEE, 2019, 107, 868-911.	21.3	132
54	A Localization Algorithm Using a Mobile Anchor Node Based on Region Determination in Underwater Wireless Sensor Networks. Journal of Ocean University of China, 2019, 18, 394-402.	1.2	22

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55	Energy-Efficient Computation Offloading for Secure UAV-Edge-Computing Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6074-6087.	6.3	180
56	Resource Allocation for Multi-UAV Aided IoT NOMA Uplink Transmission Systems. IEEE Internet of Things Journal, 2019, 6, 7025-7037.	8.7	145
57	Resource Trading in Blockchain-Based Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2019, 15, 3602-3609.	11.3	201
58	Placement and Power Allocation for NOMA-UAV Networks. IEEE Wireless Communications Letters, 2019, 8, 965-968.	5.0	121
59	Learning-Based User Association for Dual-UAV Enabled Wireless Networks With D2D Connections. IEEE Access, 2019, 7, 30672-30682.	4.2	15
60	Capsule Network Assisted IoT Traffic Classification Mechanism for Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7515-7525.	8.7	99
61	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
62	Joint Node Assignment and Trajectory Optimization for Rechargeable Multi-UAV Aided IoT Systems. , 2019, , .		3
63	Power Transferring and Analogue Communication Approach for Implantable Devices. , 2019, , .		0
64	Joint Beamforming and Jamming Optimization for Secure Transmission in MISO-NOMA Networks. IEEE Transactions on Communications, 2019, 67, 2294-2305.	7.8	77
65	Big Data Driven Oriented Graph Theory Aided tagSNPs Selection for Genetic Precision Therapy. IEEE Access, 2019, 7, 3746-3754.	4.2	1
66	Multi-Controller Resource Management for Software-Defined Wireless Networks. IEEE Communications Letters, 2019, 23, 506-509.	4.1	14
67	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
68	Stability of Cloud-Based UAV Systems Supporting Big Data Acquisition and Processing. IEEE Transactions on Cloud Computing, 2019, 7, 866-877.	4.4	46
69	Green Wi-Fi Management: Implementation on Partially Overlapped Channels. IEEE Transactions on Green Communications and Networking, 2018, 2, 346-359.	5.5	4
70	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
71	Vehicular Sensing Networks in a Smart City: Principles, Technologies and Applications. IEEE Wireless Communications, 2018, 25, 122-132.	9.0	143
72	Internet of Vehicles: Sensing-Aided Transportation Information Collection and Diffusion. IEEE Transactions on Vehicular Technology, 2018, 67, 3813-3825.	6.3	130

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73	Coalition Formation Game Based Access Point Selection for LTE-U and Wi-Fi Coexistence. IEEE Transactions on Industrial Informatics, 2018, 14, 2653-2665.	11.3	15
74	Joint TAS and Power Allocation for Multiuser M2M Cooperative Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 574-580.	3.2	2
75	Learning-Aided Network Association for Hybrid Indoor LiFi-WiFi Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3561-3574.	6.3	59
76	Outage Performance for IDF Relaying Mobile Cooperative Networks. Mobile Networks and Applications, 2018, 23, 1496-1501.	3.3	34
77	Energy-Efficient Hybrid Duplexing Strategy for Bidirectional Distributed Antenna Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 5096-5110.	6.3	21
78	Touch the Sea: Energy Efficient Relay Design for Maritime Multi-Hop Multicast Systems. , 2018, , .		6
79	UAV Aided Network Association in Space-Air-Ground Communication Networks. , 2018, , .		8
80	Colonel Blotto Game Aided Attack-Defense Analysis in Real-World Networks. , 2018, , .		0
81	Network Association for Cognitive Communication and Radar Co-Systems: A POMDP Formulation. , 2018, , .		1
82	A contention-oriented node sleeping MAC protocol for WBAN. , 2018, , .		6
83	Energy-Efficient Full-Duplex Cooperative Nonorthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2018, 67, 10123-10128.	6.3	32
84	A Sink Node Assisted Lightweight Intrusion Detection Mechanism for WBAN. , 2018, , .		4
85	Intrusion detection for wireless sensor networks: A multi-criteria game approach. , 2018, , .		8
86	Joint TAS/SC and power allocation for IAF relaying D2D cooperative networks. Wireless Networks, 2017, 23, 2135-2143.	3.0	10
87	Content Aided Clustering and Cluster Head Selection Algorithms in Vehicular Networks. , 2017, , .		9
88	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
89	Big data driven information diffusion analysis and control in online social networks. , 2017, , .		5
90	Asymmetric normalization aided information diffusion for socially-aware mobile networks. , 2017, , .		1

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91	Joint Relay Selection and Power Allocation for AF Relaying M2M Cooperative System. Wireless Personal Communications, 2017, 96, 4063-4077.	2.7	1
92	Private Information Diffusion Control in Cyber Physical Systems: A Game Theory Perspective. , 2017, , .		10
93	Do we really need more training data for object localization. , 2017, , .		5
94	Energy Efficient Hybrid Duplexing and Resource Allocation for Distributed Antenna Systems. , 2017, , .		0
95	Hardware-in-the-loop simulation system for space information networks. Journal of Communications and Information Networks, 2017, 2, 131-141.	5.2	8
96	A novel cardiac arrhythmia detection method relying on improved DTW method. , 2017, , .		4
97	Big Data Driven Similarity Based U-Model for Online Social Networks. , 2017, , .		4
98	Reliability of Cloud Controlled Multi-UAV Systems for On-Demand Services. , 2017, , .		9
99	On the importance of network architecture in training very deep neural networks. , 2016, , .		0
100	Image retrieval and classification on deep convolutional SparkNet. , 2016, , .		8
101	Mobile Data Transactions in Device-to-Device Communication Networks: Pricing and Auction. IEEE Wireless Communications Letters, 2016, 5, 300-303.	5.0	35
102	Performance Analysis of the Double-Antenna SDC System Over N-Nakagami Fading Channels. International Journal of Wireless Information Networks, 2016, 23, 49-56.	2.7	1
103	The Value Strength Aided Information Diffusion in Socially-Aware Mobile Networks. IEEE Access, 2016, 4, 3907-3919.	4.2	31
104	Access Strategy in Super WiFi Network Powered by Solar Energy Harvesting: A POMDP Method. , 2016, , .		1
105	Complex network theoretical analysis on information dissemination over vehicular networks. , 2016, , .		14
106	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
107	Aggressive congestion control mechanism for space systems. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 28-33.	1.3	23
108	A New Link Scheduling Algorithm for 60â€‰GHz-WPAN Communication System. International Journal of Distributed Sensor Networks, 2016, 12, 6395385.	2.2	2

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109	Performance Analysis of DF Relaying Cooperative Systems. IEICE Transactions on Communications, 2016, E99.B, 1577-1583.	0.7	3
110	Fingerprinting localization based on 60 GHz impulse radio. , 2015, , .		1
111	Interference suppression and tunability enhancement for OFC-based simultaneous microwave down-conversion and filtering. , 2014, , .		1
112	Large-Tap Microwave Photonics Filter Based on Recirculating Frequency Shifting Loop. IEEE Photonics Technology Letters, 2014, 26, 1219-1222.	2.5	7
113	Photonic-assisted seamless channelization based on integrated three-stage cascaded DIs. , 2013, , .		1
114	Capacity of 60 GHz wireless communication systems over Ricean fading channels. , 2011, , .		5
115	A new formation algorithm of Bluetooth Ad hoc networks. , 2009, , .		0
116	Design on a new annular compressed code. , 2009, , .		0
117	Realizing SMS Using PC's Serial Port Based on VC++. , 2009, , .		1
118	Wireless Ad Hoc Networks Remote Meter Reading System Based on GPRS. , 2009, , .		3
119	The Design and Implementation of Marine Data Integration System Based on SOA. , 2009, , .		0
120	Design on Binary Annular Compressed Code for digital mechanical counter. , 2008, , .		0
121	A new design method for reliable fuzzy control. , 2008, , .		0