Jiajia Liu

List of Publications by Year
in descending order

95	7,608	61984	56724
papers	citations	43	83
		h-index	g-index

95	95	95	6268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intelligent Reflecting Surface Empowered Physical-Layer Security: Signal Cancellation or Jamming?. IEEE Internet of Things Journal, 2022, 9, 1265-1275.	8.7	52
2	VehicleEIDS: A Novel External Intrusion Detection System Based on Vehicle Voltage Signals. IEEE Internet of Things Journal, 2022, 9, 2124-2133.	8.7	25
3	Location Hijacking Attack in Software-Defined Space–Air–Ground-Integrated Vehicular Network. IEEE Internet of Things Journal, 2022, 9, 5971-5981.	8.7	11
4	Vehicular intelligence in 6G: Networking, communications, and computing. Vehicular Communications, 2022, 33, 100399.	4.0	36
5	SmartEar: Rhythm-Based Tap Authentication Using Earphone in Information-Centric Wireless Sensor Network. IEEE Internet of Things Journal, 2022, 9, 885-896.	8.7	11
6	Automatic Detection for Privacy Violations in Android Applications. IEEE Internet of Things Journal, 2022, 9, 6159-6172.	8.7	3
7	Deep Learning-Based Privacy Preservation and Data Analytics for IoT Enabled Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 4798-4807.	11.3	26
8	Multi-Agent Deep Reinforcement Learning for Massive Access in 5G and Beyond Ultra-Dense NOMA System. IEEE Transactions on Wireless Communications, 2022, 21, 3057-3070.	9.2	19
9	Deep Reinforcement Learning for Securing Software-Defined Industrial Networks With Distributed Control Plane. IEEE Transactions on Industrial Informatics, 2022, 18, 4275-4285.	11.3	6
10	Optimal User Pairing and Power Allocation in 5G Satellite Random Access Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4085-4097.	9.2	4
11	A Survey on Space-Air-Ground-Sea Integrated Network Security in 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 53-87.	39.4	140
12	Inter-Server Collaborative Federated Learning for Ultra-Dense Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 5191-5203.	9.2	18
13	Deep Learning for Securing Software-Defined Industrial Internet of Things: Attacks and Countermeasures. IEEE Internet of Things Journal, 2022, 9, 11179-11189.	8.7	6
14	Weighted Sum Rate Maximization in IRS-BackCom Enabled Downlink Multi-Cell MISO Network. IEEE Communications Letters, 2022, 26, 642-646.	4.1	13
15	Optimal False Data Injection Attacks on MTC. IEEE Transactions on Vehicular Technology, 2022, 71, 3372-3376.	6.3	1
16	Toward Smart and Secure V2X Communication in 5G and Beyond: A UAV-Enabled Aerial Intelligent Reflecting Surface Solution. IEEE Vehicular Technology Magazine, 2022, 17, 66-73.	3.4	31
17	Efficient Offloading for Minimizing Task Computation Delay of NOMA-Based Multiaccess Edge Computing. IEEE Transactions on Communications, 2022, 70, 3186-3203.	7.8	80
18	Multi-Access Edge Offloading Based on Physical Layer Security in C-V2X System. IEEE Transactions on Vehicular Technology, 2022, 71, 6912-6923.	6.3	6

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19	Intelligent Reflecting Surface Based Backscatter Communication for Data Offloading. IEEE Transactions on Communications, 2022, 70, 4211-4221.	7.8	12
20	CSEar: Metalearning for Head Gesture Recognition Using Earphones in Internet of Healthcare Things. IEEE Internet of Things Journal, 2022, 9, 23176-23187.	8.7	2
21	Smart Resource Allocation for Mobile Edge Computing: A Deep Reinforcement Learning Approach. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1529-1541.	4.6	252
22	Blockchain-Based Trust Management for Internet of Vehicles. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1397-1409.	4.6	48
23	Movement Aware CoMP Handover in Heterogeneous Ultra-Dense Networks. IEEE Transactions on Communications, 2021, 69, 340-352.	7.8	25
24	Application of Cybertwin for Offloading in Mobile Multiaccess Edge Computing for 6G Networks. IEEE Internet of Things Journal, 2021, 8, 16231-16242.	8.7	31
25	Intelligent Reflecting Surface Enabled Secure Cooperative Transmission for Satellite-Terrestrial Integrated Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 2007-2011.	6.3	69
26	Deep Learning Enhanced Driving Behavior Evaluation Based on Vehicle-Edge-Cloud Architecture. IEEE Transactions on Vehicular Technology, 2021, 70, 6172-6177.	6.3	22
27	Distributed Q-Learning Aided Uplink Grant-Free NOMA for Massive Machine-Type Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 2029-2041.	14.0	34
28	Resisting Undesired Signal Through IRS-Based Backscatter Communication System. IEEE Communications Letters, 2021, 25, 2743-2747.	4.1	23
29	Reconfigurable Intelligent Surface Enhanced Secure Aerial-Ground Communication. IEEE Transactions on Communications, 2021, 69, 6185-6197.	7.8	26
30	Multitask Learning Assisted Driver Identity Authentication and Driving Behavior Evaluation. IEEE Transactions on Industrial Informatics, 2021, 17, 7093-7102.	11.3	11
31	Blockchain-Based Key Management for Heterogeneous Flying Ad Hoc Network. IEEE Transactions on Industrial Informatics, 2021, 17, 7629-7638.	11.3	42
32	Social-Aware Incentive Mechanisms for D2D Resource Sharing in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 5517-5526.	11.3	47
33	Toward Intelligent Task Offloading at the Edge. IEEE Network, 2020, 34, 128-134.	6.9	53
34	Automobile Driver Fingerprinting: A New Machine Learning Based Authentication Scheme. IEEE Transactions on Industrial Informatics, 2020, 16, 1417-1426.	11.3	89
35	Machine Learning Meets Computation and Communication Control in Evolving Edge and Cloud: Challenges and Future Perspective. IEEE Communications Surveys and Tutorials, 2020, 22, 38-67.	39.4	164
36	AI-Enhanced Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2020, 27, 173-179.	9.0	48

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37	Future Intelligent and Secure Vehicular Network Toward 6G: Machine-Learning Approaches. Proceedings of the IEEE, 2020, 108, 292-307.	21.3	404
38	UAV-Enhanced Intelligent Offloading for Internet of Things at the Edge. IEEE Transactions on Industrial Informatics, 2020, 16, 2737-2746.	11.3	209
39	Smart and Resilient EV Charging in SDN-Enhanced Vehicular Edge Computing Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 217-228.	14.0	130
40	Intelligent Task Offloading in Vehicular Edge Computing Networks. IEEE Wireless Communications, 2020, 27, 126-132.	9.0	90
41	When Machine Learning Meets Privacy in 6G: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2694-2724.	39.4	111
42	Task Offloading in Vehicular Edge Computing Networks: A Load-Balancing Solution. IEEE Transactions on Vehicular Technology, 2020, 69, 2092-2104.	6.3	246
43	Machine Learning-Enabled Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 5692-5702.	9.2	55
44	Joint Resource Allocation and Incentive Design for Blockchain-Based Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2020, 19, 6050-6064.	9.2	71
45	Gait Learning Based Authentication for Intelligent Things. IEEE Transactions on Vehicular Technology, 2020, 69, 4450-4459.	6.3	11
46	Envisioning Device-to-Device Communications in 6G. IEEE Network, 2020, 34, 86-91.	6.9	165
47	PACE: Physically-Assisted Channel Estimation. IEEE Transactions on Wireless Communications, 2020, 19, 3769-3781.	9.2	2
48	Toward Swarm Coordination: Topology-Aware Inter-UAV Routing Optimization. IEEE Transactions on Vehicular Technology, 2020, 69, 10177-10187.	6.3	62
49	Topology Poisoning Attack in SDN-Enabled Vehicular Edge Network. IEEE Internet of Things Journal, 2020, 7, 9563-9574.	8.7	28
50	Ten Challenges in Advancing Machine Learning Technologies toward 6G. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	248
51	Achieving Robust and Efficient Consensus for Large-Scale Drone Swarm. IEEE Transactions on Vehicular Technology, 2020, 69, 15867-15879.	6.3	17
52	Deep Reinforcement Learning Based Task Offloading in SDN-Enabled Industrial Internet of Things. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 425-437.	0.3	1
53	Spatially Cooperative Caching and Optimization for Heterogeneous Network. IEEE Transactions on Vehicular Technology, 2019, 68, 11260-11270.	6.3	21
54	Multi-Task Cross-Server Double Auction for Resource Allocation in Mobile Edge Computing. , 2019, , .		14

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55	Overprivileged Permission Detection for Android Applications. , 2019, , .		14
56	An Experimental Study Towards Driver Identification for Intelligent and Connected Vehicles. , 2019, , .		7
57	Attacker Identification and Intrusion Detection for In-Vehicle Networks. IEEE Communications Letters, 2019, 23, 1927-1930.	4.1	46
58	The Prediction and Error Correction of Physiological Sign During Exercise Using Bayesian Combined Predictor and Naive Bayesian Classifier. IEEE Systems Journal, 2019, 13, 4410-4420.	4.6	9
59	TSP Security in Intelligent and Connected Vehicles: Challenges and Solutions. IEEE Wireless Communications, 2019, 26, 125-131.	9.0	63
60	Collaborative Computation Offloading at UAV-Enhanced Edge. , 2019, , .		11
61	An Attribute-Based Distributed Access Control for Blockchain-enabled IoT. , 2019, , .		13
62	Joint Computation Offloading and Resource Configuration in Ultra-Dense Edge Computing Networks: A Deep Reinforcement Learning Solution. , 2019, , .		7
63	FiWi-Enhanced Vehicular Edge Computing Networks: Collaborative Task Offloading. IEEE Vehicular Technology Magazine, 2019, 14, 45-53.	3.4	69
64	Networking and Communications in Autonomous Driving: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1243-1274.	39.4	319
65	Task Offloading in UAV-Aided Edge Computing: Bit Allocation and Trajectory Optimization. IEEE Communications Letters, 2019, 23, 538-541.	4.1	113
66	Optimizing Space-Air-Ground Integrated Networks by Artificial Intelligence. IEEE Wireless Communications, 2019, 26, 140-147.	9.0	272
67	Big Data Acquisition Under Failures in FiWi Enhanced Smart Grid. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 420-432.	4.6	25
68	Collaborative Computation Offloading for Multiaccess Edge Computing Over Fiberâ€"Wireless Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4514-4526.	6.3	306
69	Connecting Intelligent Things in Smart Hospitals Using NB-IoT. IEEE Internet of Things Journal, 2018, 5, 1550-1560.	8.7	173
70	Joint Placement of Controllers and Gateways in SDN-Enabled 5G-Satellite Integrated Network. IEEE Journal on Selected Areas in Communications, 2018, 36, 221-232.	14.0	134
71	Coordinated Multipoint-Based Uplink Transmission in Internet of Things Powered by Energy Harvesting. IEEE Internet of Things Journal, 2018, 5, 2585-2595.	8.7	35
72	Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. IEEE Wireless Communications Letters, 2018, 7, 174-177.	5.0	48

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73	Optimal Placement of Virtual Machines for Supporting Multiple Applications in Mobile Edge Networks. IEEE Transactions on Vehicular Technology, 2018, , 1-1.	6.3	50
74	Threshold Tuning-Based Wearable Sensor Fault Detection for Reliable Medical Monitoring Using Bayesian Network Model. IEEE Systems Journal, 2018, 12, 1886-1896.	4.6	43
75	On Minimizing Energy Consumption in FiWi Enhanced LTE-A HetNets. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 579-591.	4.6	21
76	An Experimental Study Towards the In-Vehicle Network of Intelligent and Connected Vehicles. , 2018, , .		6
77	2-to-<inline-formula> <tex-math notation="LaTeX">M </tex-math> </inline-formula> Coordinated Multipoint-Based Uplink Transmission in Ultra-Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 8342-8356.	9.2	29
78	Analyzing Hit Probability of Spatial Correlated Caching for Heterogeneous Mobile Edge Computing. , 2018, , .		2
79	Inter-Segment Gateway Selection for Transmission Energy Optimization in Space-Air-Ground Converged Network. , 2018, , .		10
80	Optimal Satellite Gateway Placement in Space-Ground Integrated Networks. IEEE Network, 2018, 32, 32-37.	6.9	58
81	Mobile-Edge Computation Offloading for Ultradense IoT Networks. IEEE Internet of Things Journal, 2018, 5, 4977-4988.	8.7	238
82	Optimal Replica Distribution in Edge-Node-Assisted Cloud-P2P Platforms for Real-Time Streaming. IEEE Transactions on Vehicular Technology, 2018, 67, 8637-8646.	6.3	4
83	Double Auction-Based Resource Allocation for Mobile Edge Computing in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 4692-4701.	11.3	169
84	Computation Offloading for Multi-Access Mobile Edge Computing in Ultra-Dense Networks. IEEE Communications Magazine, 2018, 56, 14-19.	6.1	280
85	Space-Air-Ground Integrated Network: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2714-2741.	39.4	634
86	Fault Detection and Repairing for Intelligent Connected Vehicles Based on Dynamic Bayesian Network Model. IEEE Internet of Things Journal, 2018, 5, 2431-2440.	8.7	51
87	Fault diagnosis of body sensor networks using hidden Markov model. Peer-to-Peer Networking and Applications, 2017, 10, 1285-1298.	3.9	8
88	Analytical Modeling of Resource Allocation in D2D Overlaying Multihop Multichannel Uplink Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 6633-6644.	6.3	71
89	Congestion-Aware Communication Paradigm for Sustainable Dense Mobile Crowdsensing. , 2017, 55, 62-67.		15
90	Resilient and Low-Latency Information Acquisition for FiWi Enhanced Smart Grid. IEEE Network, 2017, 31, 80-86.	6.9	15

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91	In-Vehicle Network Attacks and Countermeasures: Challenges and Future Directions. IEEE Network, 2017, 31, 50-58.	6.9	169
92	When Smart Wearables Meet Intelligent Vehicles: Challenges and Future Directions. IEEE Wireless Communications, 2017, 24, 58-65.	9.0	93
93	Optimal Placement of Virtual Machines in Mobile Edge Computing. , 2017, , .		25
94	Energy Consumption Minimization for FiWi Enhanced LTE-A HetNets with UE Connection Constraint. , 2016, 54, 56-62.		41
95	Device-to-Device Communication in LTE-Advanced Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1923-1940.	39.4	541