Dong Liu

List of Publications by Year
in descending order

21	870	1040056 9	1058476 14
papers	citations	h-index	g-index

21	21	21	1100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep-Learning-Aided Packet Routing in Aeronautical Ad Hoc Networks Relying on Real Flight Data: From Single-Objective to Near-Pareto Multiobjective Optimization. IEEE Internet of Things Journal, 2022, 9, 4598-4614.	8.7	12
2	RIS-Aided AANETs: Security Maximization Relying on Unsupervised Projection-Based Neural Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2214-2219.	6.3	2
3	Deep Learning Aided Routing for Space-Air-Ground Integrated Networks Relying on Real Satellite, Flight, and Shipping Data. IEEE Wireless Communications, 2022, 29, 177-184.	9.0	12
4	Minimum-Delay Routing for Integrated Aeronautical Ad Hoc Networks Relying on Real Flight Data in the North-Atlantic Region. IEEE Open Journal of Vehicular Technology, 2021, 2, 310-320.	4.9	3
5	Deep Reinforcement Learning Aided Packet-Routing for Aeronautical Ad-Hoc Networks Formed by Passenger Planes. IEEE Transactions on Vehicular Technology, 2021, 70, 5166-5171.	6.3	16
6	Accelerating Deep Reinforcement Learning With the Aid of Partial Model: Energy-Efficient Predictive Video Streaming. IEEE Transactions on Wireless Communications, 2021, 20, 3734-3748.	9.2	7
7	Twin-Component Near-Pareto Routing Optimization for AANETs in the North-Atlantic Region Relying on Real Flight Statistics. IEEE Open Journal of Vehicular Technology, 2021, 2, 346-364.	4.9	8
8	Semi-Stochastic Aircraft Mobility Modelling for Aeronautical Networks: An Australian Case-Study Based on Real Flight Data. IEEE Transactions on Vehicular Technology, 2021, 70, 10763-10779.	6.3	2
9	Optimizing Caching Policy and Bandwidth Allocation Towards User Fairness. , 2020, , .		0
10	Optimizing Wireless Systems Using Unsupervised and Reinforced-Unsupervised Deep Learning. IEEE Network, 2020, 34, 270-277.	6.9	37
11	A Deep Reinforcement Learning Approach to Proactive Content Pushing and Recommendation for Mobile Users. IEEE Access, 2019, 7, 83120-83136.	4.2	30
12	Energy-Saving Predictive Video Streaming with Deep Reinforcement Learning. , 2019, , .		2
13	Model-Free Unsupervised Learning for Optimization Problems with Constraints. , 2019, , .		8
14	Caching at Base Stations With Heterogeneous User Demands and Spatial Locality. IEEE Transactions on Communications, 2019, 67, 1554-1569.	7.8	31
15	A Learning-Based Approach to Joint Content Caching and Recommendation at Base Stations. , 2018, , .		33
16	When Exploiting Individual User Preference Is Beneficial for Caching at Base Stations. , 2018, , .		2
17	Caching Policy Toward Maximal Success Probability and Area Spectral Efficiency of Cache-Enabled HetNets. IEEE Transactions on Communications, 2017, 65, 2699-2714.	7.8	79
18	Optimal Content Placement for Offloading in Cache-Enabled Heterogeneous Wireless Networks. , 2016, , .		15

#	Article	IF	Citations
19	Energy Efficiency of Downlink Networks With Caching at Base Stations. IEEE Journal on Selected Areas in Communications, 2016, 34, 907-922.	14.0	166
20	Caching at the wireless edge: design aspects, challenges, and future directions. , 2016, 54, 22-28.		353
21	Semi-dynamic User-Specific Clustering for Downlink Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2016, 65, 2063-2077.	6.3	52