

# Dong Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2691125/publications.pdf>

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21  
papers

870  
citations

1040056

9  
h-index

1058476

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Caching at the wireless edge: design aspects, challenges, and future directions. , 2016, 54, 22-28.		353
2	Energy Efficiency of Downlink Networks With Caching at Base Stations. IEEE Journal on Selected Areas in Communications, 2016, 34, 907-922.	14.0	166
3	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
4	Semi-dynamic User-Specific Clustering for Downlink Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2016, 65, 2063-2077.	6.3	52
5	Optimizing Wireless Systems Using Unsupervised and Reinforced-Unsupervised Deep Learning. IEEE Network, 2020, 34, 270-277.	6.9	37
6	A Learning-Based Approach to Joint Content Caching and Recommendation at Base Stations. , 2018, , .		33
7	Caching at Base Stations With Heterogeneous User Demands and Spatial Locality. IEEE Transactions on Communications, 2019, 67, 1554-1569.	7.8	31
8	A Deep Reinforcement Learning Approach to Proactive Content Pushing and Recommendation for Mobile Users. IEEE Access, 2019, 7, 83120-83136.	4.2	30
9	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
10	Optimal Content Placement for Offloading in Cache-Enabled Heterogeneous Wireless Networks. , 2016, , .		15
11	Deep-Learning-Aided Packet Routing in Aeronautical <i>Ad Hoc</i> 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
12	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
13	Model-Free Unsupervised Learning for Optimization Problems with Constraints. , 2019, , .		8
14	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
15	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
16	Minimum-Delay Routing for Integrated Aeronautical <i>Ad Hoc</i> Networks Relying on Real Flight Data in the North-Atlantic Region. IEEE Open Journal of Vehicular Technology, 2021, 2, 310-320.	4.9	3
17	When Exploiting Individual User Preference Is Beneficial for Caching at Base Stations. , 2018, , .		2
18	Energy-Saving Predictive Video Streaming with Deep Reinforcement Learning. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	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
20	RIS-Aided AANETs: Security Maximization Relying on Unsupervised Projection-Based Neural Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2214-2219.	6.3	2
21	Optimizing Caching Policy and Bandwidth Allocation Towards User Fairness. , 2020, , .		0