

# Omid Semiari

## List of Publications by Year in descending order

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23  
papers

873  
citations

1307594

7  
h-index

1720034

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g-index

23  
all docs

23  
docs citations

23  
times ranked

1225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Federated Learning for Collaborative Controller Design of Connected and Autonomous Vehicles. , 2021, , .		9
2	Federated Echo State Learning for Minimizing Breaks in Presence in Wireless Virtual Reality Networks. IEEE Transactions on Wireless Communications, 2020, 19, 177-191.	9.2	66
3	Federated Learning in the Sky: Joint Power Allocation and Scheduling with UAV Swarms. , 2020, , .		100
4	Robust Resource Allocation Using Edge Computing for Vehicle to Infrastructure (V2I) Networks. , 2019, , .		9
5	Serverless Edge Computing for Green Oil and Gas Industry. , 2019, , .		12
6	Joint Communication and Control System Design for Connected and Autonomous Vehicle Navigation. , 2019, , .		3
7	Joint Communication and Control for Wireless Autonomous Vehicular Platoon Systems. IEEE Transactions on Communications, 2019, 67, 7907-7922.	7.8	98
8	Spatial Motifs for Device-to-Device Network Analysis in Cellular Networks. IEEE Transactions on Communications, 2019, 67, 5474-5489.	7.8	0
9	Integrated Millimeter Wave and Sub-6 GHz Wireless Networks: A Roadmap for Joint Mobile Broadband and Ultra-Reliable Low-Latency Communications. IEEE Wireless Communications, 2019, 26, 109-115.	9.0	98
10	Federated Deep Learning for Immersive Virtual Reality over Wireless Networks. , 2019, , .		5
11	Dependence Control for Reliability Optimization in Vehicular Networks. , 2019, , .		0
12	Caching Meets Millimeter Wave Communications for Enhanced Mobility Management in 5G Networks. IEEE Transactions on Wireless Communications, 2018, 17, 779-793.	9.2	67
13	Ultra Reliable, Low Latency Vehicle-to-Infrastructure Wireless Communications with Edge Computing. , 2018, , .		19
14	Optimized Path Planning for Inspection by Unmanned Aerial Vehicles Swarm with Energy Constraints. , 2018, , .		47
15	Wireless Communications and Control for Swarms of Cellular-Connected UAVs. , 2018, , .		27
16	Integrated Communications and Control Co-Design for Wireless Vehicular Platoon Systems. , 2018, , .		16
17	Spatio-Temporal Motifs for Optimized Vehicle-to-Vehicle (V2V) Communications. , 2018, , .		6
18	Inter-Operator Resource Management for Millimeter Wave Multi-Hop Backhaul Networks. IEEE Transactions on Wireless Communications, 2017, 16, 5258-5272.	9.2	47

#	ARTICLE	IF	CITATIONS
19	Joint Millimeter Wave and Microwave Resources Allocation in Cellular Networks With Dual-Mode Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 4802-4816.	9.2	86
20	Mobility Management for Heterogeneous Networks: Leveraging Millimeter Wave for Seamless Handover. , 2017, , .		10
21	Performance Analysis of Integrated Sub-6 GHz-Millimeter Wave Wireless Local Area Networks. , 2017, , .		11
22	Exploring spatial motifs for device-to-device network analysis (DNA) in 5G networks. , 2017, , .		3
23	Context-Aware Small Cell Networks: How Social Metrics Improve Wireless Resource Allocation. IEEE Transactions on Wireless Communications, 2015, 14, 5927-5940.	9.2	134