Xiao Liu

List of Publications by Year
in descending order

19 papers	1,527 citations	759233 12 h-index	1058476 14 g-index
19 all docs	19 docs citations	19 times ranked	1075 citing authors

#	Article	IF	Citations
1	Reconfigurable Intelligent Surfaces: Principles and Opportunities. IEEE Communications Surveys and Tutorials, 2021, 23, 1546-1577.	39.4	520
2	Trajectory Design and Power Control for Multi-UAV Assisted Wireless Networks: A Machine Learning Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 7957-7969.	6.3	238
3	Reinforcement Learning in Multiple-UAV Networks: Deployment and Movement Design. IEEE Transactions on Vehicular Technology, 2019, 68, 8036-8049.	6.3	205
4	Machine Learning Empowered Trajectory and Passive Beamforming Design in UAV-RIS Wireless Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2042-2055.	14.0	125
5	RIS Enhanced Massive Non-Orthogonal Multiple Access Networks: Deployment and Passive Beamforming Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1057-1071.	14.0	120
6	Resource Allocation for Multi-Cell IRS-Aided NOMA Networks. IEEE Transactions on Wireless Communications, 2021, 20, 4253-4268.	9.2	107
7	Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 8329-8342.	6.3	39
8	Artificial Intelligence Aided Next-Generation Networks Relying on UAVs. IEEE Wireless Communications, 2021, 28, 120-127.	9.0	39
9	Three-Dimension Trajectory Design for Multi-UAV Wireless Network With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 600-612.	6.3	30
10	Multi-Agent Reinforcement Learning in NOMA-Aided UAV Networks for Cellular Offloading. IEEE Transactions on Wireless Communications, 2022, 21, 1498-1512.	9.2	25
11	Deployment and Movement for Multiple Aerial Base Stations by Reinforcement Learning. , 2018, , .		16
12	Machine Learning Empowered Resource Allocation in IRS Aided MISO-NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3478-3492.	9.2	15
13	Robotic Communications for 5G and Beyond: Challenges and Research Opportunities. IEEE Communications Magazine, 2021, 59, 92-98.	6.1	13
14	Mobile Reconfigurable Intelligent Surfaces for NOMA Networks: Federated Learning Approaches. IEEE Transactions on Wireless Communications, 2022, 21, 10020-10034.	9.2	10
15	Resource Allocation In IRSs Aided MISO-NOMA Networks: A Machine Learning Approach. , 2020, , .		9
16	Priority-Oriented Trajectory Planning for UAV-Aided Time-Sensitive IoT Networks. , 2020, , .		6
17	Integrated 3C in NOMA-Enabled Remote-E-Health Systems. IEEE Wireless Communications, 2021, 28, 62-68.	9.0	5
18	Meta-learning for RIS-assisted NOMA Networks. , 2021, , .		3

#	Article	IF	Citations
19	Intelligent Reflecting Surface Aided Multi-Cell NOMA Networks. , 2020, , .		2