Xuelin Cao

List of Publications by Year
in descending order

26 papers	623 citations	687363 13 h-index	794594 19 g-index
26 all docs	26 docs citations	26 times ranked	572 citing authors

#	Article	IF	Citations
1	A Joint Energy and Latency Framework for Transfer Learning Over 5G Industrial Edge Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 531-541.	11.3	17
2	Massive Access of Static and Mobile Users via Reconfigurable Intelligent Surfaces: Protocol Design and Performance Analysis. IEEE Journal on Selected Areas in Communications, 2022, 40, 1253-1269.	14.0	20
3	Federated Spectrum Learning for Reconfigurable Intelligent Surfaces-Aided Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 9610-9626.	9.2	8
4	Computation Offloading in Multi-Access Edge Computing: A Multi-Task Learning Approach. IEEE Transactions on Mobile Computing, 2021, 20, 2745-2762.	5.8	89
5	Offloading Optimization in Edge Computing for Deep-Learning-Enabled Target Tracking by Internet of UAVs. IEEE Internet of Things Journal, 2021, 8, 9878-9893.	8.7	78
6	Reconfigurable Intelligent Surface Assisted Internet-of-Things: MAC Design and Optimization. , 2021, , .		1
7	Intelligent Spectrum Learning for Wireless Networks With Reconfigurable Intelligent Surfaces. IEEE Transactions on Vehicular Technology, 2021, 70, 3920-3925.	6.3	43
8	AI-Assisted MAC for Reconfigurable Intelligent-Surface-Aided Wireless Networks: Challenges and Opportunities. IEEE Communications Magazine, 2021, 59, 21-27.	6.1	32
9	Converged Reconfigurable Intelligent Surface and Mobile Edge Computing for Space Information Networks. IEEE Network, 2021, 35, 42-48.	6.9	15
10	HAP-Reserved Communications in Space-Air-Ground Integrated Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8286-8291.	6.3	13
11	Reconfigurable-Intelligent-Surface-Assisted MAC for Wireless Networks: Protocol Design, Analysis, and Optimization. IEEE Internet of Things Journal, 2021, 8, 14171-14186.	8.7	32
12	Reconfigurable Intelligent Surface-Assisted Aerial-Terrestrial Communications via Multi-Task Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 3035-3050.	14.0	57
13	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for â€œGreenâ€•6G Networks. IEEE Network, 2021, 35, 20-26.	6.9	12
14	Mobile-Edge-Computing-Based Hierarchical Machine Learning Tasks Distribution for IIoT. IEEE Internet of Things Journal, 2020, 7, 2169-2180.	8.7	72
15	A Distributed Ambient Backscatter MAC Protocol for Internet-of-Things Networks. IEEE Internet of Things Journal, 2020, 7, 1488-1501.	8.7	19
16	Full-Duplex MAC in LAA/ Wi-Fi Coexistence Networks: Design, Modeling, and Analysis. IEEE Transactions on Wireless Communications, 2020, 19, 5531-5546.	9.2	6
17	Computation Offloading in Multi-Access Edge Computing Networks: A Multi-Task Learning Approach. , 2019, , .		30
18	A Machine Learning Enabled MAC Framework for Heterogeneous Internet-of-Things Networks. IEEE Transactions on Wireless Communications, 2019, 18, 3697-3712.	9.2	39

#	Article	IF	Citations
19	Weighted Space-Frequency Time-Reversal Imaging for Multiple Targets. IEEE Signal Processing Letters, 2019, 26, 858-862.	3.6	5
20	Joint Communication and Computing Optimization for Hierarchical Machine Learning Tasks Distribution. , 2019, , .		4
21	Deep Reinforcement Learning MAC for Backscatter Communications Relying on Wi-Fi Architecture. , 2019, , .		6
22	A Scalable MAC Framework for Internet of Things Assisted by Machine Learning. , 2018, , .		10
23	Performance analysis of hybrid MAC scheme with multiâ€slot reservation. Electronics Letters, 2018, 54, 250-252.	1.0	6
24	Multiâ€slot reservationâ€based multiâ€channel MAC protocol for dense wireless adâ€hoc networks. IET Communications, 2018, 12, 1263-1271.	2.2	4
25	Full-Duplex MAC Protocol for Wi-Fi/LTE-U Coexistence Networks. , 2018, , .		5
26	A Hybrid MAC Protocol with Multi-slot Reservation for Dense Wireless Ad-Hoc Networks. Wireless Personal Communications, 2017, 97, 4747-4772.	2.7	0