Fabio Patrone

List of Publications by Year
in descending order

24 papers	529 citations
933447 10 h-index	1058476 14 g-index
24 all docs	24 docs citations
24 times ranked	627 citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite Networking Integration in the 5G Ecosystem: Research Trends and Open Challenges. IEEE Network, 2018, 32, 9-15.	6.9	95
2	IoT and UAV Integration in 5G Hybrid Terrestrial-Satellite Networks. Sensors, 2019, 19, 3704.	3.8	94
3	IoT Applications and Services in Space Information Networks. IEEE Wireless Communications, 2019, 26, 31-37.	9.0	71
4	Small satellites and CubeSats: Survey of structures, architectures, and protocols. International Journal of Satellite Communications and Networking, 2019, 37, 343-359.	1.8	51
5	Nanosatellite-5G Integration in the Millimeter Wave Domain: A Full Top-Down Approach. IEEE Transactions on Mobile Computing, 2020, 19, 390-404.	5.8	28
6	DTN-Based Nanosatellite Architecture and Hot Spot Selection Algorithm for Remote Areas Connection. IEEE Transactions on Vehicular Technology, 2018, 67, 689-702.	6.3	26
7	Networking Challenges for Non-Terrestrial Networks Exploitation in 5G. , 2019, , .		22
8	E-CGR: Energy-Aware Contact Graph Routing Over Nanosatellite Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 890-902.	5.5	20
9	UAV and IoT Integration: A Flying Gateway. , 2019, , .		17
10	A Possible Smart Metering System Evolution for Rural and Remote Areas Employing Unmanned Aerial Vehicles and Internet of Things in Smart Grids. Sensors, 2021, 21, 1627.	3.8	15
11	Toward the Integration of Cyber and Physical Security Monitoring Systems for Critical Infrastructures. Sensors, 2021, 21, 6970.	3.8	14
12	Collective Awareness for Abnormality Detection in Connected Autonomous Vehicles. IEEE Internet of Things Journal, 2020, 7, 3774-3789.	8.7	13
13	A Source Routing Algorithm Based on CGR for DTN-Nanosatellite Networks. , 2017, , .		10
14	A theoretical analysis of buffer occupancy for Intermittently-Connected Networks. Performance Evaluation, 2017, 115, 108-131.	1.2	9
15	Energy-aware Routing Algorithm for DTN-Nanosatellite Networks. , 2018, , .		9
16	HotSel: A Hot Spot Selection Algorithm for Internet Access in Rural Areas through Nanosatellite Networks. , 2015, , .		8
17	ColdSel: A Selection Algorithm to Mitigate Congestion Situations over Nanosatellite Networks. , 2016, , .		6
18	A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 11619-11631.	6.3	6

#	Article	IF	Citations
19	Hot spot selection in rural access nanosatellite networks. , 2014, , .		5
20	Towards Increasing the LoRa Network Coverage: A Flying Gateway. , 2019, , .		4
21	A Survey on Network Architectures and Applications for Nanosat and UAV Swarms. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 75-85.	0.3	4
22	Research Challenges in Nanosatellite-DTN Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 89-93.	0.3	1
23	A Framework for Network Security Verification of Automated Vehicles in the Agricultural Domain. , 2022, , .		1
24	HotSel: A Hot Spot Selection Algorithm for Internet Access in Rural Areas through Nanosatellite Networks. , 2014, , .		0