Israel Leyva-Mayorga

List of Publications by Year
in descending order

		933447	794594
29 papers	498 citations	10 h-index	19 g-index
31 all docs	31 docs citations	31 times ranked	490 citing authors

#	Article	IF	Citations
1	LEO Small-Satellite Constellations for 5G and Beyond-5G Communications. IEEE Access, 2020, 8, 184955-184964.	4.2	108
2	Performance Analysis and Optimal Access Class Barring Parameter Configuration in LTE-A Networks With Massive M2M Traffic. IEEE Transactions on Vehicular Technology, 2018, 67, 3505-3520.	6.3	73
3	Modeling and Analysis of Data Trading on Blockchain-Based Market in IoT Networks. IEEE Internet of Things Journal, 2021, 8, 6487-6497.	8.7	42
4	Inter-Plane Inter-Satellite Connectivity in Dense LEO Constellations. IEEE Transactions on Wireless Communications, 2021, 20, 3430-3443.	9.2	41
5	Performance analysis of access class barring for handling massive M2M traffic in LTE-A networks. , 2016, , .		37
6	On the Accurate Performance Evaluation of the LTE-A Random Access Procedure and the Access Class Barring Scheme. IEEE Transactions on Wireless Communications, 2017, 16, 7785-7799.	9.2	33
7	Efficient Random Access Channel Evaluation and Load Estimation in LTE-A With Massive MTC. IEEE Transactions on Vehicular Technology, 2019, 68, 1998-2002.	6.3	26
8	Trusted Wireless Monitoring Based on Distributed Ledgers over NB-IoT Connectivity. IEEE Communications Magazine, 2020, 58, 77-83.	6.1	17
9	Implementation of Network-Coded Cooperation for Energy Efficient Content Distribution in 5G Mobile Small Cells. IEEE Access, 2020, 8, 185964-185980.	4.2	12
10	Network-Coded Cooperation and Multi-Connectivity for Massive Content Delivery. IEEE Access, 2020, 8, 15656-15672.	4.2	12
11	5G satellite networks for Internet of Things: Offloading and backhauling. International Journal of Satellite Communications and Networking, 2021, 39, 431-444.	1.8	10
12	Inter-Plane Satellite Matching in Dense LEO Constellations. , 2019, , .		9
13	A hybrid method for the QoS analysis and parameter optimization in time-critical random access wireless sensor networks. Journal of Network and Computer Applications, 2017, 83, 190-203.	9.1	7
14	A Network-Coded Cooperation Protocol for Efficient Massive Content Distribution. , 2018, , .		7
15	Adaptive access class barring for efficient mMTC. Computer Networks, 2019, 149, 252-264.	5.1	7
16	QoS Analysis for a Nonpreemptive Continuous Monitoring and Event-Driven WSN Protocol in Mobile Environments. International Journal of Distributed Sensor Networks, 2015, 11, 471307.	2.2	7
17	How to Identify and Authenticate Users in Massive Unsourced Random Access. IEEE Communications Letters, 2021, 25, 3795-3799.	4.1	5
18	Arctic Connectivity: A Frugal Approach to Infrastructural Development. Arctic, 2022, 75, 72-85.	0.4	5

#	Article	IF	Citations
19	Priority-Based Multi-event Reporting in Hybrid Wireless Sensor Networks. , 2014, , .		4
20	Inter-Plane Inter-Satellite Connectivity in LEO Constellations: Beam Switching vs. Beam Steering. , 2021, , .		4
21	Data Transmission Strategies for Event Reporting and Continuous Monitoring Applications in Wireless Sensor Networks. , 2012, , .		3
22	Filtering Methods for Efficient Dynamic Access Control in 5G Massive Machine-Type Communication Scenarios. Electronics (Switzerland), 2019, 8, 27.	3.1	3
23	Spectrum Slicing for Multiple Access Channels with Heterogeneous Services. Entropy, 2021, 23, 686.	2.2	3
24	A Hybrid Method for Obtaining the Distribution of Report Latency in Wireless Sensor Networks. , 2015, , .		2
25	Exploiting topology awareness for routing in LEO satellite constellations. , 2021, , .		2
26	Performance Analysis of a Non-preemptive Hybrid WSN Protocol in Mobile Environments. , 2014, , .		1
27	RAN Slicing Performance Tradeoffs: Timing Versus Throughput Requirements. IEEE Open Journal of the Communications Society, 2022, 3, 622-640.	6.9	1
28	Unsourced Random Access With Authentication and Joint Downlink Acknowledgements. , 2021, , .		1
29	On the Accurate Performance Evaluation of the LTE-A Random Access Procedure. , 2017, , .		0