

Israel Leyva-Mayorga

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

498
citations

933447

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g-index

31
all docs

31
docs citations

31
times ranked

490
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | RAN Slicing Performance Tradeoffs: Timing Versus Throughput Requirements. IEEE Open Journal of the Communications Society, 2022, 3, 622-640. | 6.9 | 1 |
| 2 | Arctic Connectivity: A Frugal Approach to Infrastructural Development. Arctic, 2022, 75, 72-85. | 0.4 | 5 |
| 3 | 5G satellite networks for Internet of Things: Offloading and backhauling. International Journal of Satellite Communications and Networking, 2021, 39, 431-444. | 1.8 | 10 |
| 4 | 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 |
| 5 | Spectrum Slicing for Multiple Access Channels with Heterogeneous Services. Entropy, 2021, 23, 686. | 2.2 | 3 |
| 6 | Inter-Plane Inter-Satellite Connectivity in Dense LEO Constellations. IEEE Transactions on Wireless Communications, 2021, 20, 3430-3443. | 9.2 | 41 |
| 7 | How to Identify and Authenticate Users in Massive Unsourced Random Access. IEEE Communications Letters, 2021, 25, 3795-3799. | 4.1 | 5 |
| 8 | Unsourced Random Access With Authentication and Joint Downlink Acknowledgements. , 2021, , . | | 1 |
| 9 | Inter-Plane Inter-Satellite Connectivity in LEO Constellations: Beam Switching vs. Beam Steering. , 2021, , . | | 4 |
| 10 | Exploiting topology awareness for routing in LEO satellite constellations. , 2021, , . | | 2 |
| 11 | Trusted Wireless Monitoring Based on Distributed Ledgers over NB-IoT Connectivity. IEEE Communications Magazine, 2020, 58, 77-83. | 6.1 | 17 |
| 12 | LEO Small-Satellite Constellations for 5G and Beyond-5G Communications. IEEE Access, 2020, 8, 184955-184964. | 4.2 | 108 |
| 13 | Implementation of Network-Coded Cooperation for Energy Efficient Content Distribution in 5G Mobile Small Cells. IEEE Access, 2020, 8, 185964-185980. | 4.2 | 12 |
| 14 | Network-Coded Cooperation and Multi-Connectivity for Massive Content Delivery. IEEE Access, 2020, 8, 15656-15672. | 4.2 | 12 |
| 15 | Filtering Methods for Efficient Dynamic Access Control in 5G Massive Machine-Type Communication Scenarios. Electronics (Switzerland), 2019, 8, 27. | 3.1 | 3 |
| 16 | Inter-Plane Satellite Matching in Dense LEO Constellations. , 2019, , . | | 9 |
| 17 | Adaptive access class barring for efficient mMTC. Computer Networks, 2019, 149, 252-264. | 5.1 | 7 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | A Network-Coded Cooperation Protocol for Efficient Massive Content Distribution. , 2018, , . | | 7 |
| 21 | 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 |
| 22 | 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 |
| 23 | On the Accurate Performance Evaluation of the LTE-A Random Access Procedure. , 2017, , . | | 0 |
| 24 | Performance analysis of access class barring for handling massive M2M traffic in LTE-A networks. , 2016, , . | | 37 |
| 25 | A Hybrid Method for Obtaining the Distribution of Report Latency in Wireless Sensor Networks. , 2015, , . | | 2 |
| 26 | 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 |
| 27 | Priority-Based Multi-event Reporting in Hybrid Wireless Sensor Networks. , 2014, , . | | 4 |
| 28 | Performance Analysis of a Non-preemptive Hybrid WSN Protocol in Mobile Environments. , 2014, , . | | 1 |
| 29 | Data Transmission Strategies for Event Reporting and Continuous Monitoring Applications in Wireless Sensor Networks. , 2012, , . | | 3 |