Miguel LuÃs

List of Publications by Year
in descending order

73 papers	497 citations	840119 11 h-index	839053 18 g-index
74 all docs	74 docs citations	74 times ranked	507 citing authors

#	Article	IF	Citations
1	Handling Producer and Consumer Mobility in IoT Publishâ€“Subscribe Named Data Networks. IEEE Internet of Things Journal, 2022, 9, 868-884.	5.5	10
2	Consumer Mobility Awareness in Named Data Networks. IEEE Access, 2022, 10, 18156-18168.	2.6	2
3	Forwarding in Energy-Constrained Wireless Information Centric Networks. Sensors, 2022, 22, 1438.	2.1	4
4	On the Real Experimentation and Simulation Models for Millimeter-Wave. IEEE Access, 2022, 10, 51191-51208.	2.6	3
5	Insights from the Experimentation of Named Data Networks in Mobile Wireless Environments. Future Internet, 2022, 14, 196.	2.4	2
6	A Fair Channel Hopping Scheme for LoRa Networks with Multiple Single-Channel Gateways. Sensors, 2022, 22, 5260.	2.1	2
7	Context-based caching in mobile information-centric networks. Computer Communications, 2022, 193, 214-223.	3.1	2
8	An Adaptive Learning-Based Approach for Vehicle Mobility Prediction. IEEE Access, 2021, 9, 13671-13682.	2.6	9
9	Improving LoRa Network Simulator for a More Realistic Approach on LoRaWAN. , 2021, , .		3
10	Using Aerial and Vehicular NFV Infrastructures to Agilely Create Vertical Services. Sensors, 2021, 21, 1342.	2.1	4
11	LoRa Connectivity Analysis for Urban Coverage in Real Mobile Environments. , 2021, , .		2
12	Real-time video frame differentiation in multihomed VANETs. Wireless Networks, 2021, 27, 2559-2575.	2.0	0
13	Bringing Network Coding into SDN: Architectural Study for Meshed Heterogeneous Communications. IEEE Communications Magazine, 2021, 59, 37-43.	4.9	11
14	Machine Learning for the Dynamic Positioning of UAVs for Extended Connectivity. Sensors, 2021, 21, 4618.	2.1	4
15	Large-Scale LoRa Networks: A Mode Adaptive Protocol. IEEE Internet of Things Journal, 2021, 8, 13487-13502.	5.5	4
16	Exploring software defined networks for seamless handovers in vehicular networks. Vehicular Communications, 2021, 31, 100372.	2.7	4
17	ndnIoT-FC: IoT Devices as First-Class Traffic in Name Data Networks. Future Internet, 2020, 12, 207.	2.4	9
18	Context-Based Forwarding for Mobile ICNs. , 2020, , .		2

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19	Exploring the Use of Control Packets in LoRa Medium Access: A Scalability Analysis. , 2020, , .		3
20	Edge Virtualization in Multihomed Vehicular Networks. , 2020, , .		1
21	When Backscatter Communication Meets Vehicular Networks: Boosting Crosswalk Awareness. IEEE Access, 2020, 8, 34507-34521.	2.6	14
22	MIGRATE: Mobile Device Virtualisation Through State Transfer. IEEE Access, 2020, 8, 25848-25862.	2.6	20
23	Evaluation of Content Dissemination Strategies in Urban Vehicular Networks. Information (Switzerland), 2020, 11, 163.	1.7	4
24	Exploring Cloud Virtualization over Vehicular Networks with Mobility Support. , 2020, , 223-258.		0
25	EmuCD: An Emulator for Content Dissemination Protocols in Vehicular Networks. Future Internet, 2020, 12, 234.	2.4	2
26	Passive Gateway Election Mechanisms for Swarms of Drones in Aquatic Sensing Environments. , 2020, , .		1
27	Complementing Vehicular Connectivity Coverage through Cellular Networks. , 2020, , .		3
28	QoE of Video Streaming in Multihomed Vehicular Networks. , 2019, , .		3
29	On the Real Capacity of LoRa Networks: The Impact of Non-Destructive Communications. IEEE Communications Letters, 2019, 23, 2437-2441.	2.5	38
30	5GinFIRE: An end-to-end open5G vertical network function ecosystem. Ad Hoc Networks, 2019, 93, 101895.	3.4	16
31	On the performance of social-based and location-aware forwarding strategies in urban vehicular networks. Ad Hoc Networks, 2019, 93, 101925.	3.4	4
32	Real-time Video Transmission in Multihomed Vehicular Networks. , 2019, , .		3
33	A Platform of Unmanned Surface Vehicle Swarms for Real Time Monitoring in Aquaculture Environments. Sensors, 2019, 19, 4695.	2.1	11
34	The impact of ECDSA in a VANET routing service: Insights from real data traces. Ad Hoc Networks, 2019, 90, 101747.	3.4	4
35	Assessing the reliability of fog computing for smart mobility applications in VANETs. Future Generation Computer Systems, 2019, 94, 317-332.	4.9	79
36	Self-adaptive Team of Aquatic Drones with a Communication Network for Aquaculture. Lecture Notes in Computer Science, 2019, , 569-580.	1.0	3

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37	Multi-technology vs Single-technology Architecture for Network Coding in VANETs. , 2018, , .		1
38	An Aquatic Mobile Sensing USV Swarm with a Link Quality-Based Delay Tolerant Network. Sensors, 2018, 18, 3440.	2.1	7
39	On the Analysis of Content Dissemination through Real Vehicular Boards. , 2018, , .		1
40	Forwarding Strategies for Future Mobile Smart City Networks. , 2018, , .		3
41	Vehicle-to-Vehicle Real-Time Video Transmission through IEEE 802.11p for Assisted-Driving. , 2018, , .		11
42	A Multi-Technology Communication Platform for Urban Mobile Sensing. Sensors, 2018, 18, 1184.	2.1	17
43	XOR-Based Routing Protocols in Vehicular Ad Hoc Networks: How Well Do They Perform?. Wireless Personal Communications, 2017, 95, 1333-1357.	1.8	0
44	RF-spectrum opportunities for cognitive radio networks operating over GSM channels. , 2017, , .		3
45	A Multi-Technology Opportunistic Platform for Environmental Data Gathering on Smart Cities. , 2017, , .		11
46	Multi-Technology Data Collection: Short and Long Range Communications. , 2017, , .		5
47	Data Collection from Smart-City Sensors through Large-Scale Urban Vehicular Networks. , 2017, , .		8
48	A Drone-Quality Delay Tolerant Routing Approach for Aquatic Drones Scenarios. , 2017, , .		5
49	RF-Spectrum Opportunities for Cognitive Radio Networks Operating Over GSM Channels. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 731-739.	4.9	17
50	Characterization of the Opportunistic Service Time in Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2016, 2, 288-300.	4.9	10
51	A Novel Reservation-based MAC Scheme for Distributed Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	5
52	MyopicMAC: A Throughput-Optimal Random Access Scheme for Distributed Wireless Networks. Wireless Personal Communications, 2016, 86, 1693-1715.	1.8	2
53	A double-stage reservation-based MAC scheme for distributed cognitive radio networks. , 2015, , .		0
54	A non-preemptive mac protocol for multi-channel cognitive radio networks. , 2015, , .		1

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55	Performance of a cognitive p-persistent slotted Aloha protocol. , 2015, , .		0
56	On the performance of decentralized CR MAC protocols under heterogeneous channel sensing conditions. , 2015, , .		1
57	Detection of licensed users' activity in a random access ultra wideband cognitive system. , 2014, , .		3
58	Practical Assessment of Energy-Based Sensing through Software Defined Radio Devices. IFIP Advances in Information and Communication Technology, 2014, , 525-532.	0.5	0
59	Towards a Realistic Primary Users' Behavior in Single Transceiver Cognitive Networks. IEEE Communications Letters, 2013, 17, 309-312.	2.5	15
60	Improving path duration in high mobility vehicular ad hoc networks. Ad Hoc Networks, 2013, 11, 89-103.	3.4	26
61	Channel Availability Assessment for Cognitive Radios. IFIP Advances in Information and Communication Technology, 2013, , 495-504.	0.5	2
62	The impact of transmission errors in MAC schemes for distributed wireless networks. , 2012, , .		1
63	Energy sensing parameterization criteria for cognitive radios. , 2012, , .		6
64	Towards Reliable Broadcast in ad hoc Networks. IEEE Communications Letters, 2012, 16, 314-317.	2.5	13
65	Interference Distribution of a CDMA Cognitive Radio Ad Hoc Network. International Federation for Information Processing, 2012, , 493-502.	0.4	0
66	A Reliable Broadcast and Unicast MAC Protocol for Ad Hoc Networks. , 2011, , .		0
67	Analysis of heuristic-based MAC protocols for ad hoc networks. , 2011, , .		1
68	Maximizing throughput-fairness tradeoff in MAC for ad hoc networks. , 2011, , .		2
69	Towards the Use of XOR-Based Routing Protocols in Vehicular Ad Hoc Networks. , 2011, , .		4
70	Joint topology control and routing in ad hoc vehicular networks. , 2010, , .		2
71	The Impact of Node's Mobility on Link-Detection Based on Routing Hello Messages. , 2010, , .		20
72	Improving routing performance in high mobility and high density ad hoc vehicular networks. , 2010, , .		7

#	Article	IF	Citations
73	Trading hardware with medium reservation to tackle scalability in lowâ€cost, singleâ€channel <scp>LoRa</scp> networks. Internet Technology Letters, 0, , .	1.4	0