Pablo Ameigeiras

List of Publications by Year in descending order

39 papers	1,910 citations	471509 17 h-index	552781 26 g-index
39 all docs	39 docs citations	39 times ranked	1986 citing authors

#	Article	IF	Citations
1	5G Infrastructure Network Slicing: E2E Mean Delay Model and Effectiveness Assessment to Reduce Downtimes in Industry 4.0. Sensors, 2022, 22, 229.	3.8	12
2	Performance Modeling of Softwarized Network Services Based on Queuing Theory With Experimental Validation. IEEE Transactions on Mobile Computing, 2021, 20, 1558-1573.	5.8	17
3	Collision Avoidance Resource Allocation for LoRaWAN. Sensors, 2021, 21, 1218.	3.8	21
4	Analytical Model for the UE Blocking Probability in an OFDMA Cell providing GBR Slices. , 2021, , .		4
5	Asynchronous Time-Sensitive Networking for Industrial Networks. , 2021, , .		11
6	5G Non-Public Networks: Standardization, Architectures and Challenges. IEEE Access, 2021, 9, 153893-153908.	4.2	27
7	On the Rollout of Network Slicing in Carrier Networks: A Technology Radar. Sensors, 2021, 21, 8094.	3.8	9
8	Dynamic Resource Provisioning of a Scalable E2E Network Slicing Orchestration System. IEEE Transactions on Mobile Computing, 2020, 19, 2594-2608.	5.8	34
9	A Survey on 5G Usage Scenarios and Traffic Models. IEEE Communications Surveys and Tutorials, 2020, 22, 905-929.	39.4	391
10	An Analytical Performance Evaluation Framework for NB-IoT. IEEE Internet of Things Journal, 2019, 6, 7232-7240.	8.7	26
11	Analytical Modeling and Experimental Validation of NB-IoT Device Energy Consumption. IEEE Internet of Things Journal, 2019, 6, 5691-5701.	8.7	39
12	Analytic Analysis of Narrowband IoT Coverage Enhancement Approaches. , 2018, , .		27
13	Network Slicing for 5G with SDN/NFV: Concepts, Architectures, and Challenges. , 2017, 55, 80-87.		594
14	Narrowband IoT Data Transmission Procedures for Massive Machine-Type Communications. IEEE Network, 2017, 31, 8-15.	6.9	102
15	Analytical modeling for Virtualized Network Functions. , 2017, , .		22
16	Optimized LTE data transmission procedures for IoT: Device side energy consumption analysis. , 2017, , .		18
17	Modeling and Dimensioning of a Virtualized MME for 5G Mobile Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 4383-4395.	6.3	50
18	Virtualized MME Design for IoT Support in 5G Systems. Sensors, 2016, 16, 1338.	3.8	9

#	Article	IF	Citations
19	Handover implementation in a 5G SDN-based mobile network architecture. , 2016, , .		36
20	Latency evaluation of a virtualized MME. , 2016, , .		12
21	Reduced M2M signaling communications in 3GPP LTE and future 5G cellular networks. , 2016, , .		9
22	3GPP QoS-based scheduling framework for LTE. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	25
23	Link-level access cloud architecture design based on SDN for 5G networks. IEEE Network, 2015, 29, 24-31.	6.9	44
24	Dynamic Deployment of Small Cells in TV White Spaces. IEEE Transactions on Vehicular Technology, 2015, 64, 4063-4073.	6.3	10
25	Removing redundant TCP functionalities in wiredâ€cumâ€wireless networks with IEEE 802.11e HCCA support. International Journal of Communication Systems, 2014, 27, 3352-3367.	2.5	2
26	Ethernet-based mobility architecture for 5G. , 2014, , .		3
27	Characteristics of mobile youtube traffic. IEEE Wireless Communications, 2014, 21, 18-25.	9.0	53
28	Simulation-based performance study of YouTube service in 3G LTE. , 2013, , .		2
29	A QoE-Aware Scheduler for HTTP Progressive Video in OFDMA Systems. IEEE Communications Letters, 2013, 17, 677-680.	4.1	24
30	Video Tester — A multiple-metric framework for video quality assessment over IP networks. , 2012, , .		9
31	Analysis and modelling of YouTube traffic. Transactions on Emerging Telecommunications Technologies, 2012, 23, 360-377.	3.9	103
32	A Simple Model for Predicting the Number and Duration of Rebuffering Events for YouTube Flows. IEEE Communications Letters, 2012, 16, 278-280.	4.1	19
33	Traffic models impact on OFDMA scheduling design. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	36
34	User-Level Quality Assessment of a Delay-Aware Packet Dropping Scheme for VoIP. Network Protocols and Algorithms, 2011, 3, .	1.0	5
35	Selective packet dropping for VoIP and TCP flows. Telecommunication Systems, 2011, 46, 1-16.	2.5	13
36	QoE oriented cross-layer design of a resource allocation algorithm in beyond 3G systems. Computer Communications, 2010, 33, 571-582.	5.1	80

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37	An 802.11e HCCA scheduler with an end-to-end quality aware territory method. Computer Communications, 2009, 32, 1281-1297.	5.1	2
38	End-to-End Service Performance Analysis. , 2006, , 139-185.		4
39	Packet Scheduling with QoS Differentiation. Wireless Personal Communications, 2002, 23, 147-160.	2.7	6