

# Paulo Carvalho

## List of Publications by Year in descending order

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82  
papers

306  
citations

1477746

6  
h-index

1281420

11  
g-index

87  
all docs

87  
docs citations

87  
times ranked

228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Mobility Support for Personalized Data Offloading. IEEE Transactions on Network and Service Management, 2022, 19, 1505-1520.	3.2	3
2	Multi-perspective Conformance Checking Applied to BPMN-E2. Advances in Intelligent Systems and Computing, 2021, , 394-404.	0.5	1
3	Balancing the Detection of Malicious Traffic in SDN Context. , 2021, , .		0
4	Monitoring IoT Platform for the Aerospace Manufacturing Industry. , 2021, , .		0
5	eâ€LiteSense: Selfâ€adaptive energyâ€aware data sensing in WSN environments. International Journal of Communication Systems, 2020, 33, e4153.	1.6	4
6	Towards a holistic semantic support for context-aware network monitoring. Computing (Vienna/New) Tj ETQqO 0 0,rgBT /Overlock 10 Tf	3.2	1
7	Adaptive Monitoring of Fluvial Water Quality using WSNs. , 2020, , .		0
8	Online Monitoring of eduroam Network: a Case Study. , 2020, , .		0
9	Characterization of Traffic in Mobile Devices: Web and Applicational. , 2020, , .		0
10	A Flexible System for Optimising Green Spaces Irrigation. , 2020, , .		0
11	Detection of Anonymised Traffic: Tor as Case Study. Lecture Notes in Computer Science, 2020, , 95-109.	1.0	1
12	Characterisation of Unsolicited Traffic Advertisements in Mobile Devices. , 2020, , .		0
13	Intelligent Parking Management in Urban Environment. , 2019, , .		0
14	Pedestrian Route Recommendation System in Smart Cities. , 2019, , .		0
15	An Ontology-Based Recommendation System for Context-Aware Network Monitoring. Advances in Intelligent Systems and Computing, 2019, , 373-384.	0.5	2
16	Stratifying Measuring Requirements and Tools for Cloud Services Monitoring. Advances in Intelligent Systems and Computing, 2019, , 396-406.	0.5	0
17	Flexible WSN Data Gathering through Energy-aware Adaptive Sensing. , 2018, , .		5
18	Protocolar extension for reliable communications in IoT environments. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Impacts of Human Mobility in Mobile Data Offloading. , 2018, , .		5
20	Inside packet sampling techniques: exploring modularity to enhance network measurements. International Journal of Communication Systems, 2017, 30, e3135.	1.6	8
21	A Modular Traffic Sampling Architecture: Bringing Versatility and Efficiency to Massive Traffic Analysis. Journal of Network and Systems Management, 2017, 25, 643-668.	3.3	5
22	LiteSense: An adaptive sensing scheme for WSNs. , 2017, , .		15
23	Offloading Surrogates Characterization via Mobile Crowdsensing. , 2017, , .		2
24	Improving Energy-Awareness in Selective Reprogramming of WSNs. Lecture Notes in Computer Science, 2016, , 241-253.	1.0	0
25	Analysing traffic flows through sampling: A comparative study. , 2015, , .		4
26	A modular sampling framework for flexible traffic analysis. , 2015, , .		4
27	A protocol extension for selective reprogramming of WSNs. , 2015, , .		1
28	Towards Cloud Storage Services Characterization. , 2015, , .		0
29	Understanding Cloud Storage Services Usage: A Practical Case Study. Lecture Notes in Computer Science, 2015, , 501-506.	1.0	0
30	Computational weight of network traffic sampling techniques. , 2014, , .		6
31	A Modular Architecture for Deploying Self-adaptive Traffic Sampling. Lecture Notes in Computer Science, 2014, , 179-183.	1.0	0
32	A Multidimensional Model for Monitoring Cloud Services. Advances in Intelligent Systems and Computing, 2013, , 931-938.	0.5	3
33	Enhancing traffic sampling scope and efficiency. , 2013, , .		2
34	Enhancing traffic sampling scope and efficiency. , 2013, , .		2
35	A multiadaptive sampling technique for cost-effective network measurements. Computer Networks, 2013, 57, 3357-3369.	3.2	11
36	An ontology for managing network services quality. Expert Systems With Applications, 2012, 39, 7938-7946.	4.4	16

#	ARTICLE	IF	CITATIONS
37	Design of a MAC Protocol for e-Emergency WSNs. Lecture Notes in Computer Science, 2012, , 93-100.	1.0	2
38	Characterising Eduroam WLANs Usage Trends: A Case Study. , 2011, , .		0
39	Enabling self-adaptive QoE/QoS control. , 2011, , .		5
40	Enabling Heterogeneous Mobility in Android Devices. Mobile Networks and Applications, 2011, 16, 518-528.	2.2	14
41	A Model to Improve the Accuracy of WSN Simulations. Lecture Notes in Computer Science, 2011, , 128-139.	1.0	2
42	A Cooperative Network Monitoring Overlay. Lecture Notes in Computer Science, 2011, , 475-486.	1.0	1
43	A Semantic Model for Enhancing Network Services Management and Auditing. Lecture Notes in Computer Science, 2011, , 561-574.	1.0	1
44	Characterising University WLANs within Eduroam Context. Lecture Notes in Computer Science, 2011, , 382-394.	1.0	6
45	Improving traffic classification and policing at application layer. , 2010, , .		1
46	A time-slot scheduling algorithm for e-health wireless sensor networks. , 2010, , .		1
47	Adaptive admission control in a NGN service platform. , 2010, , .		2
48	Trade-off Analysis of a MAC Protocol for Wireless e-Emergency Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 222-235.	0.2	2
49	Improving the reliability of WiDom in a single broadcast domain. , 2009, , .		3
50	An improved MAC protocol with a reconfiguration scheme for wireless e-health systems requiring quality of service. , 2009, , .		4
51	Providing Cost-effective QoS Monitoring in Multiservice Networks. , 2009, , .		0
52	GRASPM: an efficient algorithm for exact pattern-matching in genomic sequences. International Journal of Bioinformatics Research and Applications, 2009, 5, 385.	0.1	9
53	Quality of Service in Wireless e-Emergency: Main Issues and a Case-Study. Advances in Soft Computing, 2009, , 95-102.	0.4	4
54	Efficient Exact Pattern-Matching in Proteomic Sequences. Lecture Notes in Computer Science, 2009, , 1178-1186.	1.0	0

#	ARTICLE	IF	CITATIONS
55	Efficient Computation of Min and Max Sensor Values in Multihop Networks. Lecture Notes in Electrical Engineering, 2009, , 233-246.	0.3	0
56	SimSearch: A New Variant of Dynamic Programming Based on Distance Series for Optimal and Near-Optimal Similarity Discovery in Biological Sequences. Advances in Soft Computing, 2009, , 206-216.	0.4	0
57	A service-oriented admission control strategy for class-based IP networks. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 149-166.	1.6	1
58	Quality of service support in wireless sensor networks for emergency healthcare services. , 2008, 2008, 1296-9.		17
59	Improving QoS guarantees through implicit AC. , 2008, , .		0
60	QoS Adaptation in Multimedia Multicast Conference Applications for E-Learning Services. , 2008, , 1409-1421.		1
61	Enhancing QoS metrics estimation in multiclass networks. , 2007, , .		5
62	Admission Control in Multiservice IP Networks: Architectural Issues and Trends. , 2007, 45, 114-121.		32
63	Toward Scalable Management of Multiple Service Levels in IP Networks. , 2007, , .		1
64	Towards a Reconfigurable Wireless Sensor Network for Biomedical Applications. , 2007, , .		10
65	A Logic-based Approach for IP Network Services Management and Configuration. , 2007, , .		0
66	Providing Consistent Service Levels in IP Networks. Lecture Notes in Computer Science, 2007, , 276-285.	1.0	0
67	The Role of Admission Control in Assuring Multiple Services Quality. , 2006, , .		0
68	QoS Adaptation in Multimedia Multicast Conference Applications for E-Learning Services. International Journal of Distance Education Technologies, 2006, 4, 56-68.	1.9	5
69	Distributed Admission Control for QoS and SLS Management. Journal of Network and Systems Management, 2004, 12, 397-426.	3.3	26
70	Measuring QoS in class-based IP networks using multipurpose colored probing patterns. , 2004, , .		5
71	Enhancing Delay Differentiation Semantics of Class-Based IP Networks. Lecture Notes in Computer Science, 2004, , 26-37.	1.0	1
72	Managing Services Quality through Admission Control and Active Monitoring. Lecture Notes in Computer Science, 2003, , 142-154.	1.0	1

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73	Using CLIPS to Detect Network Intrusions. Lecture Notes in Computer Science, 2003, , 341-354.	1.0	8
74	Scheduling Time-Sensitive IP Traffic. Lecture Notes in Computer Science, 2003, , 368-380.	1.0	2
75	Long-Range Dependence of Internet Traffic Aggregates. Lecture Notes in Computer Science, 2002, , 1159-1164.	1.0	3
76	Tuning Delay Differentiation in IP Networks Using Priority Queueing Models. Lecture Notes in Computer Science, 2002, , 709-720.	1.0	5
77	End-to-end delay differentiation of IP traffic aggregates using priority queueing models. , 0, , .		1
78	A distributed admission control model for class-based networks using edge-to-edge QoS and SLS monitoring. , 0, , .		3
79	Improving the quality and reliability of traffic differentiation in IP networks. , 0, , .		0
80	Self-adaptive distributed management of QoS and SLSs in multiservice networks. , 0, , .		13
81	Ensuring IP Services Consistency through Lightweight Monitoring-based Admission Control. , 0, , .		1
82	Handling concurrent admission control in multiservice IP networks. , 0, , .		1