Paulo Carvalho

List of Publications by Year
in descending order

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	Admission Control in Multiservice IP Networks: Architectural Issues and Trends. , 2007, 45, 114-121.		32
2	Distributed Admission Control for QoS and SLS Management. Journal of Network and Systems Management, 2004, 12, 397-426.	3.3	26
3	Quality of service support in wireless sensor networks for emergency healthcare services. , 2008, 2008, 1296-9.		17
4	An ontology for managing network services quality. Expert Systems With Applications, 2012, 39, 7938-7946.	4.4	16
5	LiteSense: An adaptive sensing scheme for WSNs. , 2017, , .		15
6	Enabling Heterogeneous Mobility in Android Devices. Mobile Networks and Applications, 2011, 16, 518-528.	2.2	14
7	Self-adaptive distributed management of QoS and SLSs in multiservice networks. , 0, , .		13
8	A multiadaptive sampling technique for cost-effective network measurements. Computer Networks, 2013, 57, 3357-3369.	3.2	11
9	Towards a Reconfigurable Wireless Sensor Network for Biomedical Applications. , 2007, , .		10
10	GRASPm: an efficient algorithm for exact pattern-matching in genomic sequences. International Journal of Bioinformatics Research and Applications, 2009, 5, 385.	0.1	9
11	Inside packet sampling techniques: exploring modularity to enhance network measurements. International Journal of Communication Systems, 2017, 30, e3135.	1.6	8
12	Using CLIPS to Detect Network Intrusions. Lecture Notes in Computer Science, 2003, , 341-354.	1.0	8
13	Computational weight of network traffic sampling techniques. , 2014, , .		6
14	Characterising University WLANs within Eduroam Context. Lecture Notes in Computer Science, 2011, , 382-394.	1.0	6
15	Measuring QoS in class-based IP networks using multipurpose colored probing patterns. , 2004, , .		5
16	QoS Adaptation in Multimedia Multicast Conference Applications for E-Learning Services. International Journal of Distance Education Technologies, 2006, 4, 56-68.	1.9	5
17	Enhancing QoS metrics estimation in multiclass networks. , 2007, , .		5
18	Enabling self-adaptive QoE/QoS control. , 2011, , .		5

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19	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
20	Flexible WSN Data Gathering through Energy-aware Adaptive Sensing. , 2018, , .		5
21	Impacts of Human Mobility in Mobile Data Offloading. , 2018, , .		5
22	Tuning Delay Differentiation in IP Networks Using Priority Queueing Models. Lecture Notes in Computer Science, 2002, , 709-720.	1.0	5
23	An improved MAC protocol with a reconfiguration scheme for wireless e-health systems requiring quality of service. , 2009, , .		4
24	Analysing traffic flows through sampling: A comparative study. , 2015, , .		4
25	A modular sampling framework for flexible traffic analysis. , 2015, , .		4
26	eâ€LiteSense: Selfâ€adaptive energyâ€aware data sensing in WSN environments. International Journal of Communication Systems, 2020, 33, e4153.	1.6	4
27	Quality of Service in Wireless e-Emergency: Main Issues and a Case-Study. Advances in Soft Computing, 2009, , 95-102.	0.4	4
28	A distributed admission control model for class-based networks using edge-to-edge QoS and SLS monitoring. , 0, , .		3
29	Improving the reliability of WiDom in a single broadcast domain. , 2009, , .		3
30	A Multidimensional Model for Monitoring Cloud Services. Advances in Intelligent Systems and Computing, 2013, , 931-938.	0.5	3
31	Long-Range Dependence of Internet Traffic Aggregates. Lecture Notes in Computer Science, 2002, , 1159-1164.	1.0	3
32	Human Mobility Support for Personalized Data Offloading. IEEE Transactions on Network and Service Management, 2022, 19, 1505-1520.	3.2	3
33	Adaptive admission control in a NGN service platform. , 2010, , .		2
34	Enhancing traffic sampling scope and efficiency. , 2013, , .		2
35	Enhancing traffic sampling scope and efficiency. , 2013, , .		2
36	Offloading Surrogates Characterization via Mobile Crowdsensing. , 2017, , .		2

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37	An Ontology-Based Recommendation System for Context-Aware Network Monitoring. Advances in Intelligent Systems and Computing, 2019, , 373-384.	0.5	2
38	A Model to Improve the Accuracy of WSN Simulations. Lecture Notes in Computer Science, 2011, , 128-139.	1.0	2
39	Design of a MAC Protocol for e-Emergency WSNs. Lecture Notes in Computer Science, 2012, , 93-100.	1.0	2
40	Scheduling Time-Sensitive IP Traffic. Lecture Notes in Computer Science, 2003, , 368-380.	1.0	2
41	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
42	End-to-end delay differentiation of IP traffic aggregates using priority queuing models. , 0, , .		1
43	Managing Services Quality through Admission Control and Active Monitoring. Lecture Notes in Computer Science, 2003, , 142-154.	1.0	1
44	Ensuring IP Services Consistency through Lightweight Monitoring-based Admission Control. , 0, , .		1
45	Handling concurrent admission control in multiservice IP networks. , 0, , .		1
46	Toward Scalable Management of Multiple Service Levels in IP Networks. , 2007, , .		1
47	A service-oriented admission control strategy for class-based IP networks. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 149-166.	1.6	1
48	Improving traffic classification and policing at application layer. , 2010, , .		1
49	A time-slot scheduling algorithm for e-health wireless sensor networks. , 2010, , .		1
50	A protocol extension for selective reprogramming of WSNs. , 2015, , .		1
51	Towards a holistic semantic support for context-aware network monitoring. Computing (Vienna/New) Tj ETQq1 1 0.784314 rgBT /Ove	3.2	1
52	Multi-perspective Conformance Checking Applied to BPMN-E2. Advances in Intelligent Systems and Computing, 2021, , 394-404.	0.5	1
53	QoS Adaptation in Multimedia Multicast Conference Applications for E-Learning Services. , 2008, , 1409-1421.		1
54	Enhancing Delay Differentiation Semantics of Class-Based IP Networks. Lecture Notes in Computer Science, 2004, , 26-37.	1.0	1

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55	A Cooperative Network Monitoring Overlay. Lecture Notes in Computer Science, 2011, , 475-486.	1.0	1
56	A Semantic Model for Enhancing Network Services Management and Auditing. Lecture Notes in Computer Science, 2011, , 561-574.	1.0	1
57	Detection of Anonymised Traffic: Tor as Case Study. Lecture Notes in Computer Science, 2020, , 95-109.	1.0	1
58	Improving the quality and reliability of traffic differentiation in IP networks. , 0, , .		0
59	The Role of Admission Control in Assuring Multiple Services Quality. , 2006, , .		0
60	A Logic-based Approach for IP Network Services Management and Configuration. , 2007, , .		0
61	Improving QoS guarantees through implicit AC. , 2008, , .		0
62	Providing Cost-effective QoS Monitoring in Multiservice Networks. , 2009, , .		0
63	Characterising Eduroam WLANs Usage Trends: A Case Study. , 2011, , .		0
64	Towards Cloud Storage Services Characterization. , 2015, , .		0
65	Improving Energy-Awareness in Selective Reprogramming of WSNs. Lecture Notes in Computer Science, 2016, , 241-253.	1.0	0
66	Protocolar extension for reliable communications in IoT environments. , 2018, , .		0
67	Intelligent Parking Management in Urban Environment. , 2019, , .		0
68	Pedestrian Route Recommendation System in Smart Cities. , 2019, , .		0
69	Adaptive Monitoring of Fluvial Water Quality using WSNs. , 2020, , .		0
70	Balancing the Detection of Malicious Traffic in SDN Context. , 2021, , .		0
71	Efficient Exact Pattern-Matching in Proteomic Sequences. Lecture Notes in Computer Science, 2009, , 1178-1186.	1.0	0
72	A Modular Architecture for Deploying Self-adaptive Traffic Sampling. Lecture Notes in Computer Science, 2014, , 179-183.	1.0	0

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73	Understanding Cloud Storage Services Usage: A Practical Case Study. Lecture Notes in Computer Science, 2015, , 501-506.	1.0	0
74	Stratifying Measuring Requirements and Tools for Cloud Services Monitoring. Advances in Intelligent Systems and Computing, 2019, , 396-406.	0.5	0
75	Online Monitoring of eduroam Network: a Case Study. , 2020, , .		0
76	Characterization of Traffic in Mobile Devices: Web and Applicational. , 2020, , .		0
77	A Flexible System for Optimising Green Spaces Irrigation. , 2020, , .		0
78	Efficient Computation of Min and Max Sensor Values in Multihop Networks. Lecture Notes in Electrical Engineering, 2009, , 233-246.	0.3	0
79	Providing Consistent Service Levels in IP Networks. Lecture Notes in Computer Science, 2007, , 276-285.	1.0	0
80	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
81	Characterisation of Unsolicited Traffic Advertisements in Mobile Devices. , 2020, , .		0
82	Monitoring IoT Platform for the Aerospace Manufacturing Industry. , 2021, , .		0