Otto Carlos Muniz Bandeira Duarte

List of Publications by Year
in descending order

		516215		433756	
95 papers	**1,660** citations	**16** h-index	**31** g-index		
99 all docs	**99** docs citations	**99** times ranked	**1420** citing authors		

#	Article	IF	Citations
1	Orchestrating Virtualized Network Functions. IEEE Transactions on Network and Service Management, 2016, 13, 725-739.	3.2	298
2	Improving the accuracy of measurement-based geographic location of Internet hosts. Computer Networks, 2005, 47, 503-523.	3.2	93
3	Joint Adoption of QoS Schemes for MPEG Streams. Multimedia Tools and Applications, 2005, 26, 59-80.	2.6	73
4	AuthFlow: authentication and access control mechanism for software defined networking. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 607-615.	1.6	59
5	A Performance Comparison of Open-Source Stream Processing Platforms. , 2016, , .		50
6	Measuring the capacity of in-car to in-car vehicular networks. , 2009, 47, 128-136.		49
7	Securing configuration management and migration of virtual network functions using blockchain. , 2018, , .		44
8	Virtual networks: isolation, performance, and trends. Annales Des Telecommunications/Annals of Telecommunications, 2011, 66, 339-355.	1.6	37
9	BSec-NFVO: A Blockchain-Based Security for Network Function Virtualization Orchestration. , 2019, , .		37
10	OpenFlow and Xen-Based Virtual Network Migration. International Federation for Information Processing, 2010, , 170-181.	0.4	35
11	A Survey on Wireless Ad Hoc Networks. , 2006, , 1-33.		34
12	Implementing the Expected Transmission Time Metric for OLSR Wireless Mesh Networks. , 2008, , .		34
13	OMNI: OpenFlow MaNagement Infrastructure. , 2011, , .		32
14	Virtualizing vehicular node resources: Feasibility study of virtual machine migration. Vehicular Communications, 2016, 4, 39-46.	2.7	32
15	An elastic intrusion detection system for software networks. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 595-605.	1.6	32
16	An agile and effective network function virtualization infrastructure for the Internet of Things. Journal of Internet Services and Applications, 2019, 10, .	1.6	28
17	A fast unsupervised preprocessing method for network monitoring. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 139-155.	1.6	28
18	Flowfence: a denial of service defense system for software defined networking. , 2015, , .		26

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19	An Adaptive Real-Time Architecture for Zero-Day Threat Detection. , 2018, , .		25
20	An autonomous and efficient controller-based routing scheme for networking Named-Data mobility. Computer Communications, 2017, 103, 94-103.	3.1	23
21	An accurate and precise malicious node exclusion mechanism for ad hoc networks. Ad Hoc Networks, 2014, 19, 142-155.	3.4	21
22	A resilient distributed controller for software defined networking. , 2016, , .		21
23	Minimum loss multiplicative routing metrics for wireless mesh networks. Journal of Internet Services and Applications, 2011, 1, 201-214.	1.6	20
24	Somewhat homomorphic encryption scheme for arithmetic operations on large integers. , 2012, , .		20
25	An Efficient and Robust Addressing Protocol for Node Autoconfiguration in Ad Hoc Networks. IEEE/ACM Transactions on Networking, 2013, 21, 845-856.	2.6	20
26	A security and performance analysis of proof-based consensus protocols. Annales Des Telecommunications/Annals of Telecommunications, 0, , 1.	1.6	20
27	DFedForest: Decentralized Federated Forest. , 2020, , .		19
28	SFCPerf: An automatic performance evaluation framework for service function chaining. , 2018, , .		18
29	Providing a Sliced, Secure, and Isolated Software Infrastructure of Virtual Functions Through Blockchain Technology. , 2019, , .		18
30	Scalability of a mobile agents based network management application. Journal of Communications and Networks, 2003, 5, 240-248.	1.8	17
31	Challenges and Research Directions for the Future Internetworking. IEEE Communications Surveys and Tutorials, 2014, 16, 1050-1079.	24.8	17
32	Providing elasticity to intrusion detection systems in virtualized Software Defined Networks. , 2015, , .		17
33	Reverse Update: A Consistent Policy Update Scheme for Software-Defined Networking. IEEE Communications Letters, 2016, 20, 886-889.	2.5	17
34	Toward a monitoring and threat detection system based on stream processing as a virtual network function for big data. Concurrency Computation Practice and Experience, 2019, 31, e5344.	1.4	16
35	Toward a Measurement-Based Geographic Location Service. Lecture Notes in Computer Science, 2004, , 43-52.	1.0	15
36	Experimenting Content-Centric Networks in the future internet testbed environment. , 2013, , .		15

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37	Developing scalable protocols for three-metric QoS routing. Computer Networks, 2002, 39, 713-727.	3.2	14
38	A Stateless Traceback Technique for Identifying the Origin of Attacks from a Single Packet. , 2011, , .		14
39	Evaluating virtual router performance for a pluralist future internet. , 2012, , .		13
40	Capacity and Robustness Tradeoffs in Bloom Filters for Distributed Applications. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 2219-2230.	4.0	13
41	Evaluating CRoS-NDN: a comparative performance analysis of a controller-based routing scheme for named-data networking. Journal of Internet Services and Applications, 2019, 10, .	1.6	13
42	XNetMon: A Network Monitor for Securing Virtual Networks. , 2011, , .		12
43	XenFlow: Seamless migration primitive and quality of service for virtual networks. , 2014, , .		12
44	Analyzing a Human-based Trust Model for Mobile Ad Hoc Networks. , 2008, , .		11
45	An evaluation of a virtual network function for real-time threat detection using stream processing. , 2018, , .		11
46	Evaluating the expedited forwarding of voice traffic in a differentiated services network. International Journal of Communication Systems, 2002, 15, 799-813.	1.6	9
47	A routing protocol suitable for backhaul access in wireless mesh networks. Computer Networks, 2012, 56, 703-718.	3.2	9
48	Distance-Vector QoS-Based Routing with Three Metrics. Lecture Notes in Computer Science, 2000, , 847-858.	1.0	9
49	A Trust Model Robust to Slander Attacks in Ad Hoc Networks. , 2008, , .		8
50	A Self-Organized Mechanism for Thwarting Malicious Access in Ad Hoc Networks. , 2010, , .		8
51	WPR: A Proactive Routing Protocol Tailored to Wireless Mesh Networks. , 2008, , .		7
52	A two-phase multipathing scheme based on genetic algorithm for data center networking. , 2014, , .		7
53	An efficient energy-aware mechanism for virtual machine migration. , 2015, , .		7
54	A Cooperation-Aware Routing Scheme for Fast Varying Fading Wireless Channels. IEEE Communications Letters, 2008, 12, 794-796.	2.5	6

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55	An Efficient Group Key Management for Secure Routing in Ad Hoc Networks. , 2008, , .		6
56	A lightweight group-key management protocol for secure ad-hoc-network routing. Computer Networks, 2011, 55, 759-778.	3.2	6
57	A lightweight protocol for consistent policy update on software-defined networking with multiple controllers. Journal of Network and Computer Applications, 2018, 122, 77-87.	5.8	6
58	Multi-criteria Arguments for Improving the Fairness of Layered Multicast Applications. Lecture Notes in Computer Science, 2000, , 1-10.	1.0	6
59	An active service for multicast video distribution. Journal of the Brazilian Computer Society, 2000, 7, 43-51.	0.8	6
60	AutAvailChain: Automatic and Secure Data Availability through Blockchain. , 2020, , .		6
61	An Enhanced Routing Metric for Fading Wireless Channels. , 2008, , .		5
62	Profiling Software Defined Networks for dynamic distributed-controller provisioning. , 2016, , .		5
63	Evaluating voice traffic requirements on IEEE 802.11 ad hoc networks. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 321-329.	1.6	4
64	Improving the multiple access method of home networks over the electrical wiring. Annales Des Telecommunications/Annals of Telecommunications, 2011, 66, 683-694.	1.6	4
65	A high-performance Two-Phase Multipath scheme for data-center networks. Computer Networks, 2017, 112, 36-51.	3.2	4
66	Evaluating the Network Performance Management Based on Mobile Agents. Lecture Notes in Computer Science, 2000, , 95-102.	1.0	4
67	Improving user satisfaction in adaptive multicast video. Journal of Communications and Networks, 2002, 4, 221-229.	1.8	3
68	A self-extracting accurate modeling for bounded-delay video services. Computer Communications, 2004, 27, 197-207.	3.1	3
69	A bio-inspired field estimation scheme for wireless sensor networks. Annales Des Telecommunications/Annals of Telecommunications, 2005, 60, 806-818.	1.6	3
70	A cooperation-aware virtual network function for proactive detection of distributed port scanning. , 2017, , .		3
71	ACLFLOW: An NFV/SDN Security Framework for Provisioning and Managing Access Control Lists. , 2018, , .		3
72	A fast and accurate threat detection and prevention architecture using stream processing. Concurrency Computation Practice and Experience, 0, , e6561.	1.4	3

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73	Point-to-multipoint SR ARQ scheme with accumulative acknowledgment for satellite communications. Computer Networks, 1998, 30, 1311-1325.	1.0	2
74	Improving scalability on reliable multicast communications. Computer Communications, 2001, 24, 548-562.	3.1	2
75	Distinguishing video quality through differential matrices. Multimedia Systems, 2003, 9, 94-103.	3.0	2
76	Wireless Ad Hoc Networks on Underserved Communities: An Efficient Solution for Interactive Digital TV. International Federation for Information Processing, 2006, , 187-198.	0.4	2
77	Evaluating allocation heuristics for an efficient virtual Network Function chaining. , 2016, , .		2
78	Proposing, specifying, and validating a controller-based routing protocol for a clean-slate Named-Data Networking. , 2016, , .		2
79	Comments on "Evaluation of the mean error-free interval of a noisy data channel". IEEE Transactions on Communications, 1996, 44, 918-920.	4.9	1
80	Evaluating the Impact of the Communication System on Distributed Virtual Environments. Multimedia Tools and Applications, 2003, 19, 259-278.	2.6	1
81	A TCP-tailored approach to location management in mobile ad hoc networks. IEEE Communications Letters, 2005, 9, 1043-1045.	2.5	1
82	An efficient data transport protocol for Event-Driven Field-Estimation on sensor networks. , 2007, , .		1
83	Increasing the throughput of HomePNA. International Journal of Communication Systems, 2008, 21, 695-711.	1.6	1
84	An efficient admission control mechanism for optical burst-switched networks. Photonic Network Communications, 2009, 18, 65-76.	1.4	1
85	Using the Network Load for Admission Control in OBS Networks: A Multilink Approach. Journal of Optical Communications and Networking, 2010, 2, 137.	3.3	1
86	Foreword toÂthe special issue on wireless network: fromÂhomeÂtoÂbackbone. Telecommunication Systems, 2012, 51, 1-2.	1.6	1
87	Safeguarding ad hoc networks with a self-organized membership control system. Computer Networks, 2013, 57, 2656-2674.	3.2	1
88	Cybersecurity in networking. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 123-124.	1.6	1
89	A threat monitoring system for intelligent data analytics of network traffic. Annales Des Telecommunications/Annals of Telecommunications, 2022, 77, 539-554.	1.6	1
90	TeMIA-NT: ThrEat Monitoring and Intelligent data Analytics of Network Traffic. , 2020, , .		1

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91	Improving Feedback Merging for Source-Adaptive Layered Multicast Schemes. Cluster Computing, 2005, 8, 77-88.	3.5	0
92	Privileging long-life packets in multihop wireless networks. , 2007, , .		0
93	An experimental analysis of routing inconsistency in indoor wireless mesh networks. , 2011, , .		0
94	RIO: A denial of service experimentation platform in a Future Internet Testbed. , 2016, , .		0
95	Virtual layering and efficient merging in non-cooperative multicast trees. Journal of the Brazilian Computer Society, 2001, 7, 28-38.	0.8	0