Rodrigo de Souza Couto

List of Publications by Year
in descending order

27 papers	324 citations	1162367 8 h-index	1058022 14 g-index
28 all docs	28 docs citations	28 times ranked	264 citing authors

#	Article	IF	Citations
1	Network design requirements for disaster resilience in IaaS clouds. , 2014, 52, 52-58.		49
2	Reliability and Survivability Analysis of Data Center Network Topologies. Journal of Network and Systems Management, 2016, 24, 346-392.	3.3	40
3	Virtual networks: isolation, performance, and trends. Annales Des Telecommunications/Annals of Telecommunications, 2011, 66, 339-355.	1.6	37
4	Server placement with shared backups for disaster-resilient clouds. Computer Networks, 2015, 93, 423-434.	3.2	26
5	A reliability analysis of datacenter topologies. , 2012, , .		21
6	SensingBus: Using Bus Lines and Fog Computing for Smart Sensing the City. IEEE Cloud Computing, 2018, 5, 58-69.	5.3	21
7	On the Coverage of Bus-Based Mobile Sensing. Sensors, 2018, 18, 1976.	2.1	17
8	Latency versus survivability in geo-distributed data center design. , 2014, , .		14
9	VNEXT: Virtual network management for Xen-based Testbeds. , 2011, , .		11
10	Inference Time Optimization Using BranchyNet Partitioning. , 2020, , .		10
11	Network resource control for Xen-based virtualized software routers. Computer Networks, 2014, 64, 71-88.	3.2	9
12	Building an IaaS cloud with droplets: a collaborative experience with OpenStack. Journal of Network and Computer Applications, 2018, 117, 59-71.	5.8	9
13	An algorithm for sink positioning in bus-assisted smart city sensing. Future Generation Computer Systems, 2019, 93, 761-769.	4.9	9
14	Towards Edge Computing Using Early-Exit Convolutional Neural Networks. Information (Switzerland), 2021, 12, 431.	1.7	9
15	XTC: A Throughput Control Mechanism for Xen-Based Virtualized Software Routers. , 2011, , .		8
16	Missing Data Imputation in Internet of Things Gateways. Information (Switzerland), 2021, 12, 425.	1.7	8
17	Early-exit deep neural networks for distorted images: providing an efficient edge offloading. , 2021, , .		7
18	Performance evaluation of a virtualized HTTP proxy in KVM and Docker. , 2016, , .		6

#	Article	IF	Citations
19	A delay-aware coverage metric for bus-based sensor networks. Computer Communications, 2020, 156, 192-200.	3.1	5
20	Assessing the impacts of IPsec cryptographic algorithms on a virtual network embedding problem. Computers and Electrical Engineering, 2018, 71, 752-767.	3.0	3
21	POSIMNET-R: An immunologic resilient approach to position routers in Industrial Wireless Sensor Networks. Expert Systems With Applications, 2022, 188, 116045.	4.4	3
22	Analysis of Control Traffic in a Geo-Distributed Collaborative Cloud. , 2016, , .		1
23	Performance evaluation of an HTTP proxy implemented as a virtual network function. Annales Des Telecommunications/Annals of Telecommunications, 2022, 77, 611-619.	1.6	1
24	An experimental analysis of routing inconsistency in indoor wireless mesh networks. , 2011, , .		0
25	Per-Vehicle Coverage in a Bus-Based General-Purpose Sensor Network. IEEE Wireless Communications Letters, 2020, , 1-1.	3.2	0
26	Introduzindo a qualidade de imagem como uma nova condiÃ§Ã£o de particionamento de DNN na borda. , 0, , .		0
27	A bi-objective optimization model for segment routing traffic engineering. Annales Des Telecommunications/Annals of Telecommunications, 0, , 1.	1.6	0