Roberto Doriguzzi-Corin

List of Publications by Year
in descending order

		1307543	1474186
26 papers	506 citations	7 h-index	9 g-index
27 all docs	27 docs citations	27 times ranked	414 citing authors

#	Article	IF	Citations
1	DAICS: A Deep Learning Solution for Anomaly Detection in Industrial Control Systems. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	15
2	Hybrid SDN evolution: A comprehensive survey of the state-of-the-art. Computer Networks, 2021, 192, 107981.	5.1	47
3	A Practical and Adaptive Approach to Predicting Indoor CO2. Applied Sciences (Switzerland), 2021, 11, 10771.	2.5	7
4	Dynamic and Application-Aware Provisioning of Chained Virtual Security Network Functions. IEEE Transactions on Network and Service Management, 2020, 17, 294-307.	4.9	26
5	Lucid: A Practical, Lightweight Deep Learning Solution for DDoS Attack Detection. IEEE Transactions on Network and Service Management, 2020, 17, 876-889.	4.9	170
6	AADS: A Noise-Robust Anomaly Detection Framework for Industrial Control Systems. Lecture Notes in Computer Science, 2020, , 53-70.	1.3	5
7	Are We Ready to Drive Software-Defined Networks? A Comprehensive Survey on Management Tools and Techniques. ACM Computing Surveys, 2019, 51, 1-35.	23.0	27
8	Introducing SmartNICs in Server-Based Data Plane Processing: The DDoS Mitigation Use Case. IEEE Access, 2019, 7, 107161-107170.	4.2	30
9	Enriching Intent-based SDN to Ease Customer Service Management in Transport Networks. , 2018, , .		0
10	Overcoming the memory limits of network devices in SDN-enabled data centers. , 2017, , .		2
11	An effective swapping mechanism to overcome the memory limitation of SDN devices. , 2017, , .		7
12	Towards an automated framework to instantiate virtual networks in OpenFlow-based infrastructures. International Journal of Communication Networks and Distributed Systems, 2016, 17, 234.	0.4	0
13	Empowering network operating systems with memory management techniques. , 2016, , .		6
14	Reusability of software-defined networking applications: A runtime, multi-controller approach. , 2016, , .		2
15	A non-disruptive automated approach to update SDN applications at runtime. , 2016, , .		1
16	Towards an automated framework to instantiate virtual networks in OpenFlow-based infrastructures. International Journal of Communication Networks and Distributed Systems, 2016, 17, 234.	0.4	0
17	A Datapath-Centric Virtualization Mechanism for OpenFlow Networks. , 2014, , .		12
18	Demonstrating a Distributed and Version-Agnostic OpenFlow Slicing Mechanism. , 2014, , .		2

#	Article	IF	Citations
19	Design and implementation of an OpenFlow hardware abstraction layer. , 2014, , .		23
20	Leading the OFELIA Facility Beyond OpenFlow 1.0 Experimentations. , 2014, , .		0
21	VeRTIGO: Network Virtualization and Beyond. , 2012, , .		48
22	Generalizing Virtual Network Topologies in OpenFlow-Based Networks. , 2011, , .		59
23	TinyKey: A light-weight architecture for Wireless Sensor Networks securing real-world applications. , 2011, , .		5
24	AiroLAB: a framework toward effective virtualisation of multi-hop wireless networks. International Journal of Communication Networks and Distributed Systems, 2011, 6, 302.	0.4	1
25	Demonstrating generalized virtual topologies in an openflow network. , 2011, , .		11
26	AiroLAB: Leveraging on Virtualization to Introduce Controlled Experimentation in Operational Multi-hop Wireless Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 331-344.	0.3	0