Jorge Crichigno

List of Publications by Year
in descending order

44 papers	1,099 citations	933447 10 h-index	794594 19 g-index
45 all docs	45 docs citations	45 times ranked	1117 citing authors

#	Article	IF	Citations
1	Demystifying IoT Security: An Exhaustive Survey on IoT Vulnerabilities and a First Empirical Look on Internet-Scale IoT Exploitations. IEEE Communications Surveys and Tutorials, 2019, 21, 2702-2733.	39.4	468
2	Protocols and architectures for channel assignment in wireless mesh networks. Ad Hoc Networks, 2008, 6, 1051-1077.	5.5	97
3	A Light and Secure Healthcare Blockchain for IoT Medical Devices. , 2019, , .		86
4	An Exhaustive Survey on P4 Programmable Data Plane Switches: Taxonomy, Applications, Challenges, and Future Trends. IEEE Access, 2021, 9, 87094-87155.	4.2	68
5	On data-driven curation, learning, and analysis for inferring evolving internet-of-Things (IoT) botnets in the wild. Computers and Security, 2020, 91, 101707.	6.0	42
6	Scheduling coupled photovoltaic, battery and conventional energy sources to maximize profit using linear programming. Renewable Energy, 2014, 72, 284-290.	8.9	35
7	SDN Testbed for Evaluation of Large Exo-Atmospheric EMP Attacks. IEEE Communications Magazine, 2019, 57, 88-97.	6.1	29
8	Blockchain Education. , 2019, , .		28
9	An emulation-based evaluation of TCP BBRv2 Alpha for wired broadband. Computer Communications, 2020, 161, 212-224.	5.1	25
10	A Machine Learning Model for Classifying Unsolicited IoT Devices by Observing Network Telescopes. , 2018, , .		21
11	A survey on security applications of P4 programmable switches and a STRIDE-based vulnerability assessment. Computer Networks, 2022, 207, 108800.	5.1	21
12	A Comprehensive Tutorial on Science DMZ. IEEE Communications Surveys and Tutorials, 2019, 21, 2041-2078.	39.4	20
13	Towards a Unified In-Network DDoS Detection and Mitigation Strategy. , 2020, , .		20
14	Enabling TCP Pacing using Programmable Data Plane Switches. , 2019, , .		17
15	A routing and placement scheme for network function virtualization. , 2017, , .		11
16	Decentralized Distribution of PCP Mappings Over Blockchain for End-to-End Secure Direct Communications. IEEE Access, 2019, 7, 110159-110173.	4.2	10
17	A Performance Evaluation of TCP BBRv2 Alpha. , 2020, , .		9
18	Offloading Media Traffic to Programmable Data Plane Switches. , 2020, , .		9

#	Article	IF	Citations
19	A first empirical look on internet-scale exploitations of IoT devices. , 2017, , .		8
20	Exploiting Ransomware Paranoia For Execution Prevention. , 2020, , .		8
21	Secure Cattle Stock Infrastructure for the Internet of Things using Blockchain. , 2020, , .		8
22	A Blockchain-based Method for Decentralizing the ACME Protocol to Enhance Trust in PKI. , 2020, , .		7
23	Impact of Segment Size and Parallel Streams on TCP BBR. , 2018, , .		6
24	Green Communication Protocol with Geolocation. , 2019, , .		5
25	A survey on TCP enhancements using P4-programmable devices. Computer Networks, 2022, 212, 109030.	5.1	5
26	Routing in MPLS networks with probabilistic failures. , 2013, , .		3
27	Influence of Reflectivity and Cloud Cover on the Optimal TiltAngle of Solar Panels. Resources, 2015, 4, 736-750.	3.5	3
28	Overlay network scheduling design. Computer Communications, 2016, 82, 28-38.	5.1	3
29	Shared-risk-aware Design for Survivable Migration in SDN Environments. , 2019, , .		3
30	Dynamic Router's Buffer Sizing using Passive Measurements and P4 Programmable Switches. , 2021, , .		3
31	A multitree approach for multicast routing. , 2005, , .		2
32	Throughput Optimization in Multihop Wireless Networks with Multipacket Reception and Directional Antennas. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1206-1213.	5.6	2
33	Post-failure repair for cloud-based infrastructure services after disasters. Computer Communications, 2017, 111, 29-40.	5.1	2
34	Multicast Virtual Network Services Embedding for Improved Disaster Recovery Support. IEEE Communications Letters, 2018, 22, 1362-1365.	4.1	2
35	A linear programming scheme for IPS traffic scheduling. , 2015, , .		1
36	Leveraging SONiC Functionalities in Disaggregated Network Switches. , 2020, , .		1

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37	Assessing Curriculum Efficiency Through Monte Carlo Simulation. The Journal of College Student Retention: Researchory and Practice, 2021, 22, 597-610.	1.5	1
38	A Distributed Academic Cloud and Virtual Laboratories for Information Technology Education and Research. , 2021, , .		1
39	Route Distribution Incentives. Lecture Notes in Computer Science, 2009, , 430-437.	1.3	1
40	A comparative study of routing metrics for reliable multi-path provisioning. , 2014, , .		0
41	Method for Securing and Terminating a CS Call over a VoIP System with Multi-Device Support. , 2019, , .		0
42	Special Issue â€œSelected Papers from the 2018 41st International Conference on Telecommunications and Signal Processing (TSP)â€ Applied Sciences (Switzerland), 2019, 9, 2056.	2.5	0
43	Special Issue â€œSelected Papers from the 2019 42nd International Conference on Telecommunications and Signal Processing (TSP)â€ Applied Sciences (Switzerland), 2020, 10, 2088.	2.5	0
44	Coarse Estimation of Bottleneck Routerâ€™s Buffer Size for Heterogeneous TCP Sources. , 2021, , .		0