Alberto E Schaeffer-Filho

List of Publications by Year
in descending order

67 papers	910 citations	932766 10 h-index	794141 19 g-index
69 all docs	69 docs citations	69 times ranked	840 citing authors

#	Article	IF	Citations
1	Beyond VNFM: Filling the gaps of the ETSI VNF manager to fully support VNF life cycle operations. International Journal of Network Management, 2021, 31, e2068.	1.4	5
2	NFV Resource Allocation: a Systematic Review and Taxonomy of VNF Forwarding Graph Embedding. Computer Networks, 2021, 185, 107726.	3.2	27
3	Customizable Deployment of NFV Services. Journal of Network and Systems Management, 2021, 29, 1.	3.3	3
4	A systematic review on distributed denial of service attack defense mechanisms in programmable networks. International Journal of Network Management, 2021, 31, e2163.	1.4	14
5	A Survey on FPGA Support for the Feasible Execution of Virtualized Network Functions. IEEE Communications Surveys and Tutorials, 2020, 22, 504-525.	24.8	20
6	Tackling Energy Theft in Smart Grids through Data-driven Analysis. , 2020, , .		16
7	Guiltiness: A practical approach for quantifying virtual network functions performance. Computer Networks, 2019, 161, 14-31.	3.2	4
8	Self-Organization and Resilience for Networked Systems: Design Principles and Open Research Issues. Proceedings of the IEEE, 2019, 107, 819-834.	16.4	26
9	On the Design of a Flexible Architecture for Virtualized Network Function Platforms. , 2019, , .		4
10	FENDE: Marketplace-Based Distribution, Execution, and Life Cycle Management of VNFs. IEEE Communications Magazine, 2019, 57, 13-19.	4.9	38
11	Specialized CSIRT for Incident Response Management in Smart Grids. Journal of Network and Systems Management, 2019, 27, 269-285.	3.3	8
12	Verification of P4 programs in feasible time using assertions. , 2018, , .		22
13	FENDE. , 2018, , .		1
14	Using NFV and Reinforcement Learning for Anomalies Detection and Mitigation in SDN. , 2018, , .		18
15	An SFC-enabled approach for processing SSL/TLS encrypted traffic in Future Enterprise Networks. , 2018, , .		4
16	A model for quantifying performance degradation in virtual network function service chains. , 2018, , .		3
17	Providing cognitive components with a bidding heuristic for emergent NFV orchestration. , 2018, , .		1
18	NIEP: NFV Infrastructure Emulation Platform. , 2018, , .		13

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19	Uncovering Bugs in P4 Programs with Assertion-based Verification. , 2018, , .		43
20	BDI2DoS: An application using collaborating BDI agents to combat DDoS attacks. Journal of Network and Computer Applications, 2017, 84, 14-24.	5.8	7
21	ARKHAM: An Advanced Refinement toolkit for Handling Service Level Agreements in Software-Defined Networking. Journal of Network and Computer Applications, 2017, 90, 1-16.	5.8	6
22	Click-on-OSv: A platform for running Click-based middleboxes. , 2017, , .		7
23	INSpIRE: Integrated NFV-based Intent Refinement Environment. , 2017, , .		26
24	A distributed NFV orchestrator based on BDI reasoning. , 2017, , .		5
25	ASTORIA: A framework for attack simulation and evaluation in smart grids. , 2016, , .		14
26	VISION -- Interactive and Selective Visualization for Management of NFV-Enabled Networks. , 2016, , .		8
27	Policy-based dynamic service chaining in Network Functions Virtualization. , 2016, , .		11
28	ATLANTIC: A framework for anomaly traffic detection, classification, and mitigation in SDN. , 2016, , .		46
29	ANSwer: Combining NFV and SDN features for network resilience strategies. , 2016, , .		20
30	DReAM - a distributed result-aware monitor for Network Functions Virtualization. , 2016, , .		3
31	Analysing cyber-physical attacks to a Smart Grid: A voltage control use case. , 2016, , .		11
32	A One-Class NIDS for SDN-Based SCADA Systems. , 2016, , .		17
33	An EC-based formalism for policy refinement in software-defined networking. , 2015, , .		5
34	Message from the ManSDN/NFV workshop co-chairs. , 2015, , .		0
35	Tool support for the evaluation of anomaly traffic classification for network resilience. , 2015, , .		2
36	Change data capture in NoSQL databases: A functional and performance comparison. , 2015, , .		4

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37	Identification and Selection of Flow Features for Accurate Traffic Classification in SDN. , 2015, , .		25
38	Power Consumption Profiling Using Energy Time-Frequency Distributions in Smart Grids. IEEE Communications Letters, 2015, 19, 46-49.	2.5	33
39	Policy authoring for software-defined networking management. , 2015, , .		12
40	Resilience support in software-defined networking: A survey. Computer Networks, 2015, 92, 189-207.	3.2	52
41	Capitalizing on SDN-based SCADA systems: An anti-eavesdropping case-study. , 2015, , .		22
42	Federating Policy-Driven Autonomous Systems: Interaction Specification and Management Patterns. Journal of Network and Systems Management, 2015, 23, 753-793.	3.3	10
43	Network resilience with reusable management patterns. , 2014, 52, 105-115.		8
44	Management patterns: SDN-enabled network resilience management. , 2014, , .		15
45	Towards SLA Policy Refinement for QoS Management in Software-Defined Networking. , 2014, , .		21
46	Traffic anomaly diagnosis in Internet backbone networks: A survey. Computer Networks, 2014, 73, 224-243.	3.2	36
47	Management Patterns for Smart Grid Resilience. , 2014, , .		0
48	Attack Pattern Recognition Through Correlating Cyber Situational Awareness in Computer Networks. , 2014, , 125-134.		0
49	Management Patterns for Network Resilience: Design and Verification of Policy Configurations. , 2014, , 85-95.		0
50	Efficient message-passing and autonomic management architecture for NGNs. , 2012, , .		0
51	A framework for the design and evaluation of network resilience management. , 2012, , .		19
52	Resilience Strategies for Networked Malware Detection and Remediation. Lecture Notes in Computer Science, 2012, , 233-247.	1.0	0
53	Policy-driven network simulation. , 2011, , .		8
54	An adaptive approach to network resilience: Evolving challenge detection and mitigation. , 2011, , .		16

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55	Towards the Simulation of Energy-Efficient Resilience Management. , 2011, , .		2
56	Strategies for Network Resilience: Capitalising on Policies. Lecture Notes in Computer Science, 2010, , 118-122.	1.0	7
57	Verification of Policy-Based Self-Managed Cell Interactions Using Alloy. , 2009, , .		5
58	Realising management and composition of Self-Managed Cells in pervasive healthcare. , 2009, , .		8
59	AMUSE: autonomic management of ubiquitous e-Health systems. Concurrency Computation Practice and Experience, 2008, 20, 277-295.	1.4	72
60	The Coalition Policy Management Portal for Policy Authoring, Verification, and Deployment. , 2008, , .		21
61	Self-Managed Cell: A Middleware for Managing Body-Sensor Networks. , 2007, , .		23
62	Dynamic Ontology Mapping for Interacting Autonomous Systems. Lecture Notes in Computer Science, 2007, , 255-263.	1.0	3
63	Towards Supporting Interactions between Self-Managed Cells. , 2007, , .		8
64	Policy-based Management for Body-Sensor Networks. , 2007, , 92-98.		14
65	Abstractions to Support Interactions Between Self-Managed Cells. Lecture Notes in Computer Science, 2007, , 160-163.	1.0	0
66	A Scalable Dissemination Service for the ISAM Architecture. , 0, , .		0
67	Policies to Enable Secure Dynamic Community Establishment. , 0, , 121-145.		0