

# Alberto E Schaeffer-Filho

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

910  
citations

933447

10  
h-index

794594

19  
g-index

69  
all docs

69  
docs citations

69  
times ranked

840  
citing authors

#	ARTICLE	IF	CITATIONS
1	AMUSE: autonomic management of ubiquitous e-Health systems. <i>Concurrency Computation Practice and Experience</i> , 2008, 20, 277-295.	2.2	72
2	Resilience support in software-defined networking: A survey. <i>Computer Networks</i> , 2015, 92, 189-207.	5.1	52
3	ATLANTIC: A framework for anomaly traffic detection, classification, and mitigation in SDN. , 2016, , .		46
4	Uncovering Bugs in P4 Programs with Assertion-based Verification. , 2018, , .		43
5	FENDE: Marketplace-Based Distribution, Execution, and Life Cycle Management of VNFs. <i>IEEE Communications Magazine</i> , 2019, 57, 13-19.	6.1	38
6	Traffic anomaly diagnosis in Internet backbone networks: A survey. <i>Computer Networks</i> , 2014, 73, 224-243.	5.1	36
7	Power Consumption Profiling Using Energy Time-Frequency Distributions in Smart Grids. <i>IEEE Communications Letters</i> , 2015, 19, 46-49.	4.1	33
8	NFV Resource Allocation: a Systematic Review and Taxonomy of VNF Forwarding Graph Embedding. <i>Computer Networks</i> , 2021, 185, 107726.	5.1	27
9	INSPIRE: Integrated NFV-based Intent Refinement Environment. , 2017, , .		26
10	Self-Organization and Resilience for Networked Systems: Design Principles and Open Research Issues. <i>Proceedings of the IEEE</i> , 2019, 107, 819-834.	21.3	26
11	Identification and Selection of Flow Features for Accurate Traffic Classification in SDN. , 2015, , .		25
12	Self-Managed Cell: A Middleware for Managing Body-Sensor Networks. , 2007, , .		23
13	Capitalizing on SDN-based SCADA systems: An anti-eavesdropping case-study. , 2015, , .		22
14	Verification of P4 programs in feasible time using assertions. , 2018, , .		22
15	The Coalition Policy Management Portal for Policy Authoring, Verification, and Deployment. , 2008, , .		21
16	Towards SLA Policy Refinement for QoS Management in Software-Defined Networking. , 2014, , .		21
17	ANSwer: Combining NFV and SDN features for network resilience strategies. , 2016, , .		20
18	A Survey on FPGA Support for the Feasible Execution of Virtualized Network Functions. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 504-525.	39.4	20

#	ARTICLE	IF	CITATIONS
19	A framework for the design and evaluation of network resilience management. , 2012, , .		19
20	Using NFV and Reinforcement Learning for Anomalies Detection and Mitigation in SDN. , 2018, , .		18
21	A One-Class NIDS for SDN-Based SCADA Systems. , 2016, , .		17
22	An adaptive approach to network resilience: Evolving challenge detection and mitigation. , 2011, , .		16
23	Tackling Energy Theft in Smart Grids through Data-driven Analysis. , 2020, , .		16
24	Management patterns: SDN-enabled network resilience management. , 2014, , .		15
25	ASTORIA: A framework for attack simulation and evaluation in smart grids. , 2016, , .		14
26	A systematic review on distributed denial of service attack defense mechanisms in programmable networks. International Journal of Network Management, 2021, 31, e2163.	2.2	14
27	Policy-based Management for Body-Sensor Networks. , 2007, , 92-98.		14
28	NIEP: NFV Infrastructure Emulation Platform. , 2018, , .		13
29	Policy authoring for software-defined networking management. , 2015, , .		12
30	Policy-based dynamic service chaining in Network Functions Virtualization. , 2016, , .		11
31	Analysing cyber-physical attacks to a Smart Grid: A voltage control use case. , 2016, , .		11
32	Federating Policy-Driven Autonomous Systems: Interaction Specification and Management Patterns. Journal of Network and Systems Management, 2015, 23, 753-793.	4.9	10
33	Towards Supporting Interactions between Self-Managed Cells. , 2007, , .		8
34	Realising management and composition of Self-Managed Cells in pervasive healthcare. , 2009, , .		8
35	Policy-driven network simulation. , 2011, , .		8
36	Network resilience with reusable management patterns. , 2014, 52, 105-115.		8

#	ARTICLE	IF	CITATIONS
37	VISION – Interactive and Selective Visualization for Management of NFV-Enabled Networks. , 2016, , .		8
38	Specialized CSIRT for Incident Response Management in Smart Grids. Journal of Network and Systems Management, 2019, 27, 269-285.	4.9	8
39	BDI2DoS: An application using collaborating BDI agents to combat DDoS attacks. Journal of Network and Computer Applications, 2017, 84, 14-24.	9.1	7
40	Click-on-OSv: A platform for running Click-based middleboxes. , 2017, , .		7
41	Strategies for Network Resilience: Capitalising on Policies. Lecture Notes in Computer Science, 2010, , 118-122.	1.3	7
42	ARKHAM: An Advanced Refinement toolkit for Handling Service Level Agreements in Software-Defined Networking. Journal of Network and Computer Applications, 2017, 90, 1-16.	9.1	6
43	Verification of Policy-Based Self-Managed Cell Interactions Using Alloy. , 2009, , .		5
44	An EC-based formalism for policy refinement in software-defined networking. , 2015, , .		5
45	A distributed NFV orchestrator based on BDI reasoning. , 2017, , .		5
46	Beyond VNF: Filling the gaps of the ETSI VNF manager to fully support VNF life cycle operations. International Journal of Network Management, 2021, 31, e2068.	2.2	5
47	Change data capture in NoSQL databases: A functional and performance comparison. , 2015, , .		4
48	An SFC-enabled approach for processing SSL/TLS encrypted traffic in Future Enterprise Networks. , 2018, , .		4
49	Guiltiness: A practical approach for quantifying virtual network functions performance. Computer Networks, 2019, 161, 14-31.	5.1	4
50	On the Design of a Flexible Architecture for Virtualized Network Function Platforms. , 2019, , .		4
51	Dynamic Ontology Mapping for Interacting Autonomous Systems. Lecture Notes in Computer Science, 2007, , 255-263.	1.3	3
52	DReAM - a distributed result-aware monitor for Network Functions Virtualization. , 2016, , .		3
53	A model for quantifying performance degradation in virtual network function service chains. , 2018, , .		3
54	Customizable Deployment of NFV Services. Journal of Network and Systems Management, 2021, 29, 1.	4.9	3

#	ARTICLE	IF	CITATIONS
55	Tool support for the evaluation of anomaly traffic classification for network resilience. , 2015, , .		2
56	Towards the Simulation of Energy-Efficient Resilience Management. , 2011, , .		2
57	FENDE. , 2018, , .		1
58	Providing cognitive components with a bidding heuristic for emergent NFV orchestration. , 2018, , .		1
59	A Scalable Dissemination Service for the ISAM Architecture. , 0, , .		0
60	Efficient message-passing and autonomic management architecture for NGNs. , 2012, , .		0
61	Management Patterns for Smart Grid Resilience. , 2014, , .		0
62	Message from the ManSDN/NFV workshop co-chairs. , 2015, , .		0
63	Resilience Strategies for Networked Malware Detection and Remediation. Lecture Notes in Computer Science, 2012, , 233-247.	1.3	0
64	Attack Pattern Recognition Through Correlating Cyber Situational Awareness in Computer Networks. , 2014, , 125-134.		0
65	Management Patterns for Network Resilience: Design and Verification of Policy Configurations. , 2014, , 85-95.		0
66	Abstractions to Support Interactions Between Self-Managed Cells. Lecture Notes in Computer Science, 2007, , 160-163.	1.3	0
67	Policies to Enable Secure Dynamic Community Establishment. , 0, , 121-145.		0