Stefano Salsano

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8636457/publications.pdf

Version: 2024-02-01

121 papers	2,043 citations	623188 14 h-index	433756 31 g-index
123 all docs	123 docs citations	123 times ranked	1644 citing authors

#	Article	IF	Citations
1	On the Fly Orchestration of Unikernels: Tuning and Performance Evaluation of Virtual Infrastructure Managers. IEEE Transactions on Cloud Computing, 2021, 9, 710-723.	3.1	8
2	Performance Monitoring withâ€‰<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e128" altimg="si3.svg"><mml:mrow><mml:mi mathvariant="normal">H</mml:mi><mml:mover accent="true"><mml:mrow /><mml:mrow><mml:mo>Ë†</mml:mo></mml:mrow></mml:mover><mml:mn>2</mml:mn></mml:mrow></mml:math>: Hybrid Kernel/eBPF data plane for SRv6 based Hybrid SDN. Computer Networks, 2021, 185, 107705.	3.2	7
3	Optimal Estimation of Link Delays Based on End-to-End Active Measurements. IEEE Transactions on Network and Service Management, 2021, 18, 4730-4743.	3.2	2
4	Segment Routing: A Comprehensive Survey of Research Activities, Standardization Efforts, and Implementation Results. IEEE Communications Surveys and Tutorials, 2021, 23, 182-221.	24.8	55
5	SRv6-PM: A Cloud-Native Architecture for Performance Monitoring of SRv6 Networks. IEEE Transactions on Network and Service Management, 2021, 18, 611-626.	3.2	13
6	SRPerf: A Performance Evaluation Framework for IPv6 Segment Routing. IEEE Transactions on Network and Service Management, 2021, 18, 2320-2333.	3.2	10
7	EveryWAn- An Open Source SD-WAN solution. , 2021, , .		3
8	Implementation of Accurate Per-Flow Packet Loss Monitoring in Segment Routing over IPv6 Networks. , 2020, , .		5
9	A Resilient Distributed Measurement System for Smart Grid Application. Communications in Computer and Information Science, 2020, , 139-153.	0.4	1
10	Micro SIDs: a solution for Efficient Representation of Segment IDs in SRv6 Networks. , 2020, , .		7
11	Algorithms for the design of 5G networks with VNF-based Reusable Functional Blocks. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 559-574.	1.6	6
12	Joint failure recovery, fault prevention, and energy-efficient resource management for real-time SFC in fog-supported SDN. Computer Networks, 2019, 162, 106850.	3.2	32
13	An Efficient Linux Kernel Implementation of Service Function Chaining for Legacy VNFs Based on IPv6 Segment Routing. , 2019, , .		9
14	Busoni: Policy Composition and Northbound Interface for IPv6 Segment Routing Networks. , 2019, , .		1
15	Optimal management of reusable functional blocks in 5G superfluid networks. International Journal of Network Management, 2019, 29, e2045.	1.4	5
16	Joint Energy Efficient and QoS-Aware Path Allocation and VNF Placement for Service Function Chaining. IEEE Transactions on Network and Service Management, 2019, 16, 374-388.	3.2	122
17	Software defined service function chaining with failure consideration for fog computing. Concurrency Computation Practice and Experience, 2019, 31, e4953.	1.4	8
18	Accurate and Efficient Measurements of IP Level Performance to Drive Interface Selection in Heterogeneous Wireless Networks. IEEE Transactions on Mobile Computing, 2018, 17, 2223-2235.	3.9	6

#	Article	IF	Citations
19	A framework for experimenting ICN over SDN solutions using physical and virtual testbeds. Computer Networks, 2018, 134, 245-259.	3.2	14
20	SERA: SEgment Routing Aware Firewall for Service Function Chaining scenarios. , 2018, , .		9
21	SR-Snort: IPv6 Segment Routing Aware IDS/IPS. , 2018, , .		3
22	SDN Architecture and Southbound APIs for IPv6 Segment Routing Enabled Wide Area Networks. IEEE Transactions on Network and Service Management, 2018, 15, 1378-1392.	3.2	40
23	Optimal design of 5G superfluid networks: Problem formulation and solutions. , 2018, , .		4
24	Energy-efficient path allocation heuristic for service function chaining. , 2018, , .		15
25	Millimeter-waves, MEC, and network softwarization as enablers of new 5G business opportunities. , 2018, , .		11
26	SDN-Based IP and Layer 2 Services with an Open Networking Operating System in the GÃ‰ANT Service Provider Network. , 2017, 55, 71-79.		9
27	TCP Proxy Bypass. , 2017, , .		1
28	Implementation of virtual network function chaining through segment routing in a linux-based NFV infrastructure. , 2017, , .		51
29	D-StreaMon: From middlebox to distributed NFV framework for network monitoring. , 2017, , .		3
30	An economic analysis of 5G Superfluid networks. , 2017, , .		10
31	RDCL 3D, a model agnostic web framework for the design and composition of NFV services. , 2017, , .		4
32	Optimal superfluid management of 5G networks. , 2017, , .		7
33	P5G: A Bio-Inspired Algorithm for the Superfluid Management of 5G Networks. , 2017, , .		9
34	D-STREAMON â€" NFV-Capable Distributed Framework for Network Monitoring. , 2017, , .		4
35	Re-Designing Dynamic Content Delivery in the Light of a Virtualized Infrastructure. IEEE Journal on Selected Areas in Communications, 2017, 35, 2574-2585.	9.7	2
36	On the Fly TCP Acceleration with Miniproxy. , 2016, , .		13

#	Article	IF	Citations
37	Performance evaluation and tuning of Virtual Infrastructure Managers for (Micro) Virtual Network Functions. , 2016, , .		9
38	Superfluidity: a flexible functional architecture for 5G networks. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1178-1186.	2.6	52
39	GEANT SDX - SDN based Open eXchange Point. , 2016, , .		1
40	Revisiting Open eXchange Points with Software Defined Networking. , 2016, , .		0
41	PMSR â€" Poor Man's Segment Routing, a minimalistic approach to Segment Routing and a Traffic Engineering use case. , 2016, , .		10
42	Hybrid IP/SDN Networking: Open Implementation and Experiment Management Tools. IEEE Transactions on Network and Service Management, 2016, 13, 138-153.	3.2	27
43	Mantoo - A Set of Management Tools for Controlling SDN Experiments. , 2015, , .		6
44	ICONA: Inter Cluster Onos Network application. , 2015, , .		9
45	Traffic Engineering with Segment Routing: SDN-Based Architectural Design and Open Source Implementation. , 2015, , .		46
46	OSHI - Open Source Hybrid IP/SDN Networking (and its Emulation on Mininet and on Distributed SDN) Tj ETQq0 0 0 rgBT /Overlock 10 T		34
47	Generalized virtual networking: An enabler for service centric networking and network function virtualization. , 2014, , .		2
48	The EXPRESS SDN experiment in the OpenLab large scale shared experimental Facility. , 2014, , .		3
49	Design and implementation of the OFELIA FP7 facility: The European OpenFlow testbed. Computer Networks, 2014, 61, 132-150.	3.2	60
50	Information centric networking over SDN and OpenFlow: Architectural aspects and experiments on the OFELIA testbed. Computer Networks, 2013, 57, 3207-3221.	3.2	110
51	Wireless Mesh Software Defined Networks (wmSDN). , 2013, , .		93
52	Message from Organizers. , 2013, , .		0
53	On the Likelihood of an Equivalence. Lecture Notes in Computer Science, 2013, , 2-11.	1.0	0
54	From linked data to linked entities. , 2012, , .		0

#	Article	IF	Citations
55	Efficient measurements of IP level performance to drive interface selection in heterogeneous wireless networks. , 2012, , .		2
56	UPMT per-application mobility management solution. , 2012, , .		0
57	Supporting information-centric functionality in software defined networks. , 2012, , .		55
58	Message from the Organizers. , 2012, , .		0
59	Offloading cellular networks with Information-Centric Networking: The case of video streaming. , 2012, , .		47
60	Route discovery and caching: A way to improve the scalability of Information-Centric Networking. , 2012, , .		7
61	Supporting the Web with an information centric network that routes by name. Computer Networks, 2012, 56, 3705-3722.	3.2	48
62	Transport-layer issues in information centric networks. , 2012, , .		74
63	CONET. , 2011, , .		105
64	Mobile Electronic Memos. Lecture Notes in Computer Science, 2011, , 178-187.	1.0	0
65	Per-application Mobility management: Performance evaluation of the UPMT solution. , 2011, , .		1
66	Streamline: An Optimal Distribution Algorithm for Peer-to-Peer Real-Time Streaming. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 857-871.	4.0	27
67	UPMT: Universal Per-Application Mobility Management Using Tunnels. , 2009, , .		11
68	User plane security alternatives in the 3G evolved Multimedia Broadcast Multicast Service (e-MBMS). Security and Communication Networks, 2008, 1, 473-485.	1.0	4
69	SIP-based mobility management in next generation networks. IEEE Wireless Communications, 2008, 15, 92-99.	6.6	43
70	SMILE- Simple Middleware Independent LayEr for Distributed Mobile Applications. , 2008, , .		5
71	Extending SIP authentication to exploit user credentials stored in existing authentication databases. , 2008, , .		2
72	A push-based scheduling algorithm for large scale P2P live streaming. , 2008, , .		17

#	Article	IF	Citations
73	User plane security alternatives in the 3G evolved Multimedia Broadcast Multicast Service (e-MBMS). , 2008, , .		1
74	Design and development of a context oriented language for middleware based applications. , 2008, , .		0
75	Performance Evaluation of Vertical Handover Mechanisms in IP Networks. , 2008, , .		4
76	A Theory-Driven Distribution Algorithm for Peer-to-Peer Real Time Streaming. , 2008, , .		1
77	Simple Mobile Services for IMS. , 2008, , .		1
78	SMILE-JS, a SIP-based middleware for J2ME devices. , 2008, , .		2
79	Context-aware Service Discovery in Mobile Heterogeneous Environments. , 2007, , .		11
80	Design and XDI/XRI-based Implementation of a Profile Management Architecture for Next Generation Networks. , 2007, , .		0
81	Modeling Context Information for Realizing Simple Mobile Services. , 2007, , .		8
82	Design and Development Tools for Next Generation Mobile Services. , 2007, , .		3
83	A mechanism to enforce TCP Fairness in 802.11 wireless LANs and its performance evaluation in a real test-bed. , 2007, , .		5
84	TCP Fairness Issues in IEEE 802.11 Networks: Problem Analysis and Solutions Based on Rate Control. IEEE Transactions on Wireless Communications, 2007, 6, 1346-1355.	6.1	41
85	Reconfigurable Systems with a User-Centric Focus. , 2007, , .		3
86	Architecture and testbed implementation of vertical handovers based on SIP session border controllers. Wireless Personal Communications, 2007, 43, 1019-1034.	1.8	8
87	OPSS. Performance Evaluation Review, 2007, 35, 25-27.	0.4	13
88	GENp2-2: The Simplicity Project and its Demonstrator: Improving Ease of Use and Personalization of ICT Services. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
89	SMS: Simplifying Mobile Services - for Users and Service Providers. , 2006, , .		10
90	Exploiting Access Control Information in User Profiles to Reconfigure User Equipment. , 2006, , .		0

#	Article	IF	Citations
91	Seamless vertical handover of VoIP calls based on SIP Session Border Controllers. , 2006, , .		21
92	Exploiting Access Control Information in User Profiles to Reconfigure User Equipment. , 2006, , .		1
93	Traffic engineering with OSPF-TE and RSVP-TE: Flooding reduction techniques and evaluation of processing cost. Computer Communications, 2006, 29, 2034-2045.	3.1	9
94	Wireless LAN-3G Integration: Unified Mechanisms for Secure Authentication based on SIP. , 2006, , .		11
95	Internet like control for MPLS based traffic engineering: performance evaluation. Performance Evaluation, 2005, 59, 121-136.	0.9	11
96	An Architecture for Differentiated Protection Against Single and Double Faults in GMPLS. Photonic Network Communications, 2004, 8, 119-132.	1.4	8
97	Dynamic resource configuration in DiffServ networks: control plane mechanisms and performance evaluation of a traffic control API. Computer Networks, 2004, 44, 513-527.	3.2	2
98	A framework for providing differentiated QoS guarantees in IP-based network. Computer Communications, 2003, 26, 327-337.	3.1	7
99	Advanced QoS provisioning in IP networks: the European premium IP projects. , 2003, 41, 30-36.		65
100	AQUILA: adaptive resource control for QoS using an IP-based layered architecture. , 2003, 41, 46-53.		64
101	SIP Originated Dynamic Resource Configuration in DiffServ Networks: SIP / COPS / Traffic Control Mechanisms. Lecture Notes in Computer Science, 2003, , 581-591.	1.0	1
102	BGRP Plus: Quiet Grafting Mechanisms for Providing a Scalable End-to-End QoS Solution. Lecture Notes in Computer Science, 2003, , 177-188.	1.0	1
103	SIP security issues: the SIP authentication procedure and its processing load. IEEE Network, 2002, 16, 38-44.	4.9	145
104	QoS control by means of COPS to support SIP-based applications. IEEE Network, 2002, 16, 27-33.	4.9	50
105	Optimal Routing for Protection and Restoration in an Optical Network. Photonic Network Communications, 2002, 4, 409-422.	1.4	3
106	Delivering end-to-end statistical QoS guarantees for expedited forwarding. Computer Communications, 2001, 24, 822-832.	3.1	2
107	An Upper Bound to the Loss Probability in the Multiplexing of Jittered Flows. Lecture Notes in Computer Science, 2001, , 51-66.	1.0	0
108	Implementing integrated and differentiated services for the Internet with ATM networks: a practical approach. , 2000, 38, 132-141.		24

#	Article	IF	Citations
109	Internet integrated service over ATM: a solution for shortcut QoS virtual channels. , 1999, 37, 98-104.		1
110	INSIGNIA: a pan European trial for the intelligent broadband network architecture. , 1998, 36, 68-76.		13
111	IBIS: a testbed for the evolution of intelligent broadband networks toward TINA. , 1998, 36, 78-86, 91.		4
112	Off-line configuration of a MPLS over WDM network under time-varying offered traffic. , 0, , .		35
113	An intelligent broadband network architecture for multimedia multiparty service control. , 0, , .		1
114	Impact of signalling traffic for mobility management in an IN based PCS environment. , 0, , .		1
115	Interworking between IFMP switching and B-ISDN access protocols. , 0, , .		0
116	A prototype implementation for the IntServ operation over DiffServ networks. , 0, , .		6
117	Use of COPS for Intserv operations over Diffserv: architectural issues, protocol design and test-bed implementation. , 0, , .		6
118	The Simplicity Project: Architecture Concept. , 0, , .		0
119	Controlling TCP Fairness in WLAN access networks using a Rate Limiter approach. , 0, , .		11
120	Handling User Profiles for the Secure and Convenient Configuration and Management of Mobile Terminals and Services. , 0, , .		4
121	Measurement Study of the Mobile Agent JADE Platform. , 0, , .		3