

Stefano Salsano

List of Publications by Year in descending order

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121
papers

2,043
citations

623188

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433756

31
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123
all docs

123
docs citations

123
times ranked

1644
citing authors

#	ARTICLE	IF	CITATIONS
1	SIP security issues: the SIP authentication procedure and its processing load. IEEE Network, 2002, 16, 38-44.	4.9	145
2	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
3	Information centric networking over SDN and OpenFlow: Architectural aspects and experiments on the OFELIA testbed. Computer Networks, 2013, 57, 3207-3221.	3.2	110
4	CONET. , 2011, , .		105
5	Wireless Mesh Software Defined Networks (wmSDN). , 2013, , .		93
6	Transport-layer issues in information centric networks. , 2012, , .		74
7	Advanced QoS provisioning in IP networks: the European premium IP projects. , 2003, 41, 30-36.		65
8	AQUILA: adaptive resource control for QoS using an IP-based layered architecture. , 2003, 41, 46-53.		64
9	Design and implementation of the OFELIA FP7 facility: The European OpenFlow testbed. Computer Networks, 2014, 61, 132-150.	3.2	60
10	Supporting information-centric functionality in software defined networks. , 2012, , .		55
11	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
12	Superfluidity: a flexible functional architecture for 5G networks. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1178-1186.	2.6	52
13	Implementation of virtual network function chaining through segment routing in a linux-based NFV infrastructure. , 2017, , .		51
14	QoS control by means of COPS to support SIP-based applications. IEEE Network, 2002, 16, 27-33.	4.9	50
15	Supporting the Web with an information centric network that routes by name. Computer Networks, 2012, 56, 3705-3722.	3.2	48
16	Offloading cellular networks with Information-Centric Networking: The case of video streaming. , 2012, , .		47
17	Traffic Engineering with Segment Routing: SDN-Based Architectural Design and Open Source Implementation. , 2015, , .		46
18	SIP-based mobility management in next generation networks. IEEE Wireless Communications, 2008, 15, 92-99.	6.6	43

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19	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
20	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
21	Off-line configuration of a MPLS over WDM network under time-varying offered traffic. , 0, , .		35
22	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
23	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
24	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
25	Hybrid IP/SDN Networking: Open Implementation and Experiment Management Tools. IEEE Transactions on Network and Service Management, 2016, 13, 138-153.	3.2	27
26	Implementing integrated and differentiated services for the Internet with ATM networks: a practical approach. , 2000, 38, 132-141.		24
27	Seamless vertical handover of VoIP calls based on SIP Session Border Controllers. , 2006, , .		21
28	A push-based scheduling algorithm for large scale P2P live streaming. , 2008, , .		17
29	Energy-efficient path allocation heuristic for service function chaining. , 2018, , .		15
30	A framework for experimenting ICN over SDN solutions using physical and virtual testbeds. Computer Networks, 2018, 134, 245-259.	3.2	14
31	INSIGNIA: a pan European trial for the intelligent broadband network architecture. , 1998, 36, 68-76.		13
32	On the Fly TCP Acceleration with Miniproxy. , 2016, , .		13
33	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
34	OPSS. Performance Evaluation Review, 2007, 35, 25-27.	0.4	13
35	Internet like control for MPLS based traffic engineering: performance evaluation. Performance Evaluation, 2005, 59, 121-136.	0.9	11
36	Controlling TCP Fairness in WLAN access networks using a Rate Limiter approach. , 0, , .		11

#	ARTICLE	IF	CITATIONS
37	Wireless LAN-3G Integration: Unified Mechanisms for Secure Authentication based on SIP. , 2006, , .		11
38	Context-aware Service Discovery in Mobile Heterogeneous Environments. , 2007, , .		11
39	UPMT: Universal Per-Application Mobility Management Using Tunnels. , 2009, , .		11
40	Millimeter-waves, MEC, and network softwarization as enablers of new 5G business opportunities. , 2018, , .		11
41	SMS: Simplifying Mobile Services - for Users and Service Providers. , 2006, , .		10
42	PMSR "Poor Man's Segment Routing, a minimalistic approach to Segment Routing and a Traffic Engineering use case. , 2016, , .		10
43	An economic analysis of 5G Superfluid networks. , 2017, , .		10
44	SRPerf: A Performance Evaluation Framework for IPv6 Segment Routing. IEEE Transactions on Network and Service Management, 2021, 18, 2320-2333.	3.2	10
45	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
46	ICONA: Inter Cluster Onos Network application. , 2015, , .		9
47	Performance evaluation and tuning of Virtual Infrastructure Managers for (Micro) Virtual Network Functions. , 2016, , .		9
48	SDN-Based IP and Layer 2 Services with an Open Networking Operating System in the GANT Service Provider Network. , 2017, 55, 71-79.		9
49	P5G: A Bio-Inspired Algorithm for the Superfluid Management of 5G Networks. , 2017, , .		9
50	SERA: SEgment Routing Aware Firewall for Service Function Chaining scenarios. , 2018, , .		9
51	An Efficient Linux Kernel Implementation of Service Function Chaining for Legacy VNFs Based on IPv6 Segment Routing. , 2019, , .		9
52	An Architecture for Differentiated Protection Against Single and Double Faults in GMPLS. Photonic Network Communications, 2004, 8, 119-132.	1.4	8
53	Modeling Context Information for Realizing Simple Mobile Services. , 2007, , .		8
54	Architecture and testbed implementation of vertical handovers based on SIP session border controllers. Wireless Personal Communications, 2007, 43, 1019-1034.	1.8	8

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55	Software defined service function chaining with failure consideration for fog computing. Concurrency Computation Practice and Experience, 2019, 31, e4953.	1.4	8
56	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
57	A framework for providing differentiated QoS guarantees in IP-based network. Computer Communications, 2003, 26, 327-337.	3.1	7
58	Route discovery and caching: A way to improve the scalability of Information-Centric Networking. , 2012, , .		7
59	Optimal superfluid management of 5G networks. , 2017, , .		7
60	Performance Monitoring with \hat{H} Hybrid Kernel/eBPF data plane for SRv6 based Hybrid SDN. Computer Networks, 2021, 185, 107705.	3.2	7
61	Micro SIDs: a solution for Efficient Representation of Segment IDs in SRv6 Networks. , 2020, , .		7
62	A prototype implementation for the IntServ operation over DiffServ networks. , 0, , .		6
63	Use of COPS for Intserv operations over Diffserv: architectural issues, protocol design and test-bed implementation. , 0, , .		6
64	Mantoo - A Set of Management Tools for Controlling SDN Experiments. , 2015, , .		6
65	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
66	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
67	A mechanism to enforce TCP Fairness in 802.11 wireless LANs and its performance evaluation in a real test-bed. , 2007, , .		5
68	SMILE- Simple Middleware Independent LayEr for Distributed Mobile Applications. , 2008, , .		5
69	Optimal management of reusable functional blocks in 5G superfluid networks. International Journal of Network Management, 2019, 29, e2045.	1.4	5
70	Implementation of Accurate Per-Flow Packet Loss Monitoring in Segment Routing over IPv6 Networks. , 2020, , .		5
71	IBIS: a testbed for the evolution of intelligent broadband networks toward TINA. , 1998, 36, 78-86, 91.		4
72	Handling User Profiles for the Secure and Convenient Configuration and Management of Mobile Terminals and Services. , 0, , .		4

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73	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
74	Performance Evaluation of Vertical Handover Mechanisms in IP Networks. , 2008, , .		4
75	RDCL 3D, a model agnostic web framework for the design and composition of NFV services. , 2017, , .		4
76	D-STREAMON " NFV-Capable Distributed Framework for Network Monitoring. , 2017, , .		4
77	Optimal design of 5G superfluid networks: Problem formulation and solutions. , 2018, , .		4
78	Optimal Routing for Protection and Restoration in an Optical Network. Photonic Network Communications, 2002, 4, 409-422.	1.4	3
79	Measurement Study of the Mobile Agent JADE Platform. , 0, , .		3
80	Design and Development Tools for Next Generation Mobile Services. , 2007, , .		3
81	Reconfigurable Systems with a User-Centric Focus. , 2007, , .		3
82	The EXPRESS SDN experiment in the OpenLab large scale shared experimental Facility. , 2014, , .		3
83	D-StreaMon: From middlebox to distributed NFV framework for network monitoring. , 2017, , .		3
84	SR-Snort: IPv6 Segment Routing Aware IDS/IPS. , 2018, , .		3
85	EveryWAN- An Open Source SD-WAN solution. , 2021, , .		3
86	Delivering end-to-end statistical QoS guarantees for expedited forwarding. Computer Communications, 2001, 24, 822-832.	3.1	2
87	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
88	Extending SIP authentication to exploit user credentials stored in existing authentication databases. , 2008, , .		2
89	Efficient measurements of IP level performance to drive interface selection in heterogeneous wireless networks. , 2012, , .		2
90	Generalized virtual networking: An enabler for service centric networking and network function virtualization. , 2014, , .		2

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91	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
92	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
93	SMILE-JS, a SIP-based middleware for J2ME devices. , 2008, , .		2
94	An intelligent broadband network architecture for multimedia multiparty service control. , 0, , .		1
95	Impact of signalling traffic for mobility management in an IN based PCS environment. , 0, , .		1
96	Internet integrated service over ATM: a solution for shortcut QoS virtual channels. , 1999, 37, 98-104.		1
97	Exploiting Access Control Information in User Profiles to Reconfigure User Equipment. , 2006, , .		1
98	User plane security alternatives in the 3G evolved Multimedia Broadcast Multicast Service (e-MBMS). , 2008, , .		1
99	A Theory-Driven Distribution Algorithm for Peer-to-Peer Real Time Streaming. , 2008, , .		1
100	Simple Mobile Services for IMS. , 2008, , .		1
101	Per-application Mobility management: Performance evaluation of the UPMT solution. , 2011, , .		1
102	GEANT SDX - SDN based Open eXchange Point. , 2016, , .		1
103	TCP Proxy Bypass. , 2017, , .		1
104	Busoni: Policy Composition and Northbound Interface for IPv6 Segment Routing Networks. , 2019, , .		1
105	SIP Originated Dynamic Resource Configuration in DiffServ Networks: SIP / COPS / Traffic Control Mechanisms. Lecture Notes in Computer Science, 2003, , 581-591.	1.0	1
106	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
107	A Resilient Distributed Measurement System for Smart Grid Application. Communications in Computer and Information Science, 2020, , 139-153.	0.4	1
108	Interworking between IFMP switching and B-ISDN access protocols. , 0, , .		0

#	ARTICLE	IF	CITATIONS
109	The Simplicity Project: Architecture Concept. , 0, , .		0
110	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
111	Exploiting Access Control Information in User Profiles to Reconfigure User Equipment. , 2006, , .		0
112	Design and XDI/XRI-based Implementation of a Profile Management Architecture for Next Generation Networks. , 2007, , .		0
113	Design and development of a context oriented language for middleware based applications. , 2008, , .		0
114	Mobile Electronic Memos. Lecture Notes in Computer Science, 2011, , 178-187.	1.0	0
115	From linked data to linked entities. , 2012, , .		0
116	UPMT per-application mobility management solution. , 2012, , .		0
117	Message from the Organizers. , 2012, , .		0
118	Message from Organizers. , 2013, , .		0
119	Revisiting Open eXchange Points with Software Defined Networking. , 2016, , .		0
120	An Upper Bound to the Loss Probability in the Multiplexing of Jittered Flows. Lecture Notes in Computer Science, 2001, , 51-66.	1.0	0
121	On the Likelihood of an Equivalence. Lecture Notes in Computer Science, 2013, , 2-11.	1.0	0