

Alessio Botta

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,723
citations

759233

12
h-index

434195

31
g-index

63
all docs

63
docs citations

63
times ranked

3989
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of Cloud computing and Internet of Things: A survey. Future Generation Computer Systems, 2016, 56, 684-700.	7.5	1,726
2	Cloud monitoring: A survey. Computer Networks, 2013, 57, 2093-2115.	5.1	462
3	A tool for the generation of realistic network workload for emerging networking scenarios. Computer Networks, 2012, 56, 3531-3547.	5.1	410
4	On the Integration of Cloud Computing and Internet of Things. , 2014, , .		357
5	Do you trust your software-based traffic generator?. , 2010, 48, 158-165.		69
6	Traffic analysis of peer-to-peer IPTV communities. Computer Networks, 2009, 53, 470-484.	5.1	66
7	A comprehensive survey on internet outages. Journal of Network and Computer Applications, 2018, 113, 36-63.	9.1	47
8	Quality of service statistics over heterogeneous networks: Analysis and applications. European Journal of Operational Research, 2008, 191, 1075-1088.	5.7	43
9	Cloud monitoring: Definitions, issues and future directions. , 2012, , .		40
10	Challenges and solution for measuring available bandwidth in software defined networks. Computer Communications, 2017, 99, 48-61.	5.1	39
11	Measuring network throughput in the cloud: The case of Amazon EC2. Computer Networks, 2015, 93, 408-422.	5.1	36
12	MagNets - experiences from deploying a joint research-operational next-generation wireless access network testbed. , 2007, , .		32
13	Experimental evaluation and characterization of the magnets wireless backbone. , 2006, , .		28
14	On the performance of the wide-area networks interconnecting public-cloud datacenters around the globe. Computer Networks, 2017, 112, 67-83.	5.1	27
15	Unified architecture for network measurement: The case of available bandwidth. Journal of Network and Computer Applications, 2012, 35, 1402-1414.	9.1	25
16	A Markovian Approach to Multipath Data Transfer in Overlay Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1398-1411.	5.6	22
17	Do you know what you are generating?. , 2007, , .		20
18	Available bandwidth measurement in software defined networks. , 2016, , .		17

#	ARTICLE	IF	CITATIONS
19	On Network Throughput Variability in Microsoft Azure Cloud. , 2015, , .		16
20	Monitoring Internet Censorship with UBICA. Lecture Notes in Computer Science, 2015, , 143-157.	1.3	15
21	Characterizing Cloud-to-User Latency as Perceived by AWS and Azure Users Spread over the Globe. , 2019, , .		13
22	Discovering Topologies at Router Level: Part II. , 2007, , .		12
23	Astrophysics and Big Data: Challenges, Methods, and Tools. Proceedings of the International Astronomical Union, 2016, 12, 345-348.	0.0	12
24	Dissecting Round Trip Time on the Slow Path with a Single Packet. Lecture Notes in Computer Science, 2014, , 88-97.	1.3	12
25	A customer service assurance platform for mobile broadband networks. , 2011, 49, 101-109.		11
26	On the performance of new generation satellite broadband internet services. , 2014, 52, 202-209.		11
27	Characterization and analysis of cloud-to-user latency: The case of Azure and AWS. Computer Networks, 2021, 184, 107693.	5.1	10
28	IP packet interleaving for UDP bursty losses. Journal of Systems and Software, 2015, 109, 177-191.	4.5	9
29	Systematic performance modeling and characterization of heterogeneous IP networks. Journal of Computer and System Sciences, 2006, 72, 1134-1143.	1.2	8
30	High-speed wireless backbones: measurements from MagNets. , 2007, , .		8
31	A First Look at Public-Cloud Inter-Datacenter Network Performance. , 2016, , .		8
32	2 Years in the anti-phishing group of a large company. Computers and Security, 2021, 105, 102259.	6.0	8
33	Networking for Cloud Robotics: The DewROS Platform and Its Application. Journal of Sensor and Actuator Networks, 2021, 10, 34.	3.9	7
34	Searching for invariants in network games traffic. , 2006, , .		6
35	UANM: a platform for experimenting with available bandwidth estimation tools. , 2010, , .		6
36	An efficient storage technique for network monitoring data. , 2011, , .		6

#	ARTICLE	IF	CITATIONS
37	Analyzing internet censorship in Pakistan. , 2016, , .		6
38	IP packet interleaving: Bridging the gap between theory and practice. , 2011, , .		5
39	Experiment-Driven Modeling of Open-Source Internet Traffic Generators. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2529-2538.	4.7	5
40	Active Techniques for Available Bandwidth Estimation: Comparison and Application. Lecture Notes in Computer Science, 2013, , 28-43.	1.3	5
41	Identification of Network Bricks in Heterogeneous Scenarios. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	4
42	Long Horizon End-to-End Delay Forecasts: A Multi-Step-Ahead Hybrid Approach. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	4
43	An approach to the identification of network elements composing heterogeneous end-to-end paths. Computer Networks, 2008, 52, 2975-2987.	5.1	4
44	Seismic risk analysis of a data communication network. Sustainable and Resilient Infrastructure, 2022, 7, 655-672.	2.8	4
45	New generation satellite broadband Internet services: Should ADSL and 3G worry?. , 2013, , .		3
46	DewROS: A Platform for Informed Dew Robotics in ROS. , 2020, , .		3
47	A Machine Learning approach for dynamic selection of available bandwidth measurement tools. , 2021, , .		3
48	Providing UMTS connectivity to PlanetLab nodes. , 2008, , .		3
49	Spark-based port and net scan detection. , 2020, , .		3
50	Predicting the Severity of Lockdown-Induced Psychiatric Symptoms with Machine Learning. Diagnostics, 2022, 12, 957.	2.6	3
51	High-speed backhaul networks: Myth or reality?. Computer Communications, 2008, 31, 1540-1550.	5.1	2
52	Evaluation of Various Interference Models for Joint Routing and Scheduling in Wireless Mesh Networks. , 2008, , .		2
53	Networked Embedded Systems: A Quantitative Performance Comparison. , 2008, , .		2
54	Integration of 3G Connectivity in PlanetLab Europe. Mobile Networks and Applications, 2010, 15, 344-355.	3.3	2

#	ARTICLE	IF	CITATIONS
55	Open Source Platforms for Internet Monitoring and Measurement. , 2012, , .		2
56	An experimental characterization of the internal generation cycle of an open-source software traffic generator. , 2013, , .		2
57	New generation satellite broadband Internet services: Should ADSL and 3G worry?. , 2013, , .		2
58	A user-oriented performance comparison of video hosting services. Computer Communications, 2018, 116, 118-131.	5.1	2
59	Measuring Networks Using IP Options. IEEE Network, 2017, 31, 30-36.	6.9	1
60	On Network Throughput Variability in Microsoft Azure Cloud. , 2014, , .		0
61	Wireless Networks Test-beds: When Heterogeneity Plays with Us. , 2008, , 1-17.		0
62	Putting It All Together: Using the ArtDeco Approach in the Wine Business Domain. Lecture Notes in Computer Science, 2012, , 415-452.	1.3	0