

Luigi Rizzo

List of Publications by Year in descending order

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40
papers

3,072
citations

687363

13
h-index

526287

27
g-index

41
all docs

41
docs citations

41
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective erasure codes for reliable computer communication protocols. Computer Communication Review, 1997, 27, 24-36.	1.8	706
2	Dummysnet. Computer Communication Review, 1997, 27, 31-41.	1.8	634
3	E2. , 2015, , .		236
4	Dummysnet revisited. Computer Communication Review, 2010, 40, 12-20.	1.8	221
5	Replacement policies for a proxy cache. IEEE/ACM Transactions on Networking, 2000, 8, 158-170.	3.8	183
6	RMDP. Mobile Computing and Communications Review, 1998, 2, 23-31.	1.7	145
7	pgmcc. Computer Communication Review, 2000, 30, 17-28.	1.8	139
8	VALE, a switched ethernet for virtual machines. , 2012, , .		121
9	Revisiting network I/O APIs. Communications of the ACM, 2012, 55, 45-51.	4.5	115
10	Rollback-Recovery for Middleboxes. , 2015, , .		96
11	Transparent acceleration of software packet forwarding using netmap. , 2012, , .		55
12	DXR. Computer Communication Review, 2012, 42, 29-36.	1.8	53
13	mSwitch. , 2015, , .		45
14	Rekindling network protocol innovation with user-level stacks. Computer Communication Review, 2014, 44, 52-58.	1.8	41
15	netmap. , 2011, , .		31
16	Rollback-Recovery for Middleboxes. Computer Communication Review, 2015, 45, 227-240.	1.8	28
17	QFQ: Efficient Packet Scheduling With Tight Guarantees. IEEE/ACM Transactions on Networking, 2013, 21, 802-816.	3.8	27
18	A very fast algorithm for RAM compression. Operating Systems Review (ACM), 1997, 31, 36-45.	1.9	24

#	ARTICLE	IF	CITATIONS
19	A Survey of Fast Packet I/O Technologies for Network Function Virtualization. Lecture Notes in Computer Science, 2017, , 579-590.	1.3	20
20	Flexible virtual machine networking using netmap passthrough. , 2016, , .		19
21	Speeding up packet I/O in virtual machines. , 2013, , .		17
22	Virtual device passthrough for high speed VM networking. , 2015, , .		17
23	Portable packet processing modules for OS kernels. IEEE Network, 2014, 28, 6-11.	6.9	13
24	Revisiting Network I/O APIs: The netmap Framework. Queue, 2012, 10, 30-39.	1.1	12
25	A hybrid approach to adaptive load sharing and its performance. Journal of Systems Architecture, 1997, 42, 679-696.	4.3	10
26	An emulation tool for PlanetLab. Computer Communications, 2011, 34, 1980-1990.	5.1	10
27	SSCSSC: a tool for the teaching of digital circuits. IEEE Transactions on Education, 1991, 34, 70-75.	2.4	7
28	A Study of Speed Mismatches Between Communicating Virtual Machines. , 2016, , .		7
29	Simulation and performance evaluation of parallel software on multiprocessor systems. Microprocessors and Microsystems, 1989, 13, 39-46.	2.8	6
30	PSPAT: Software packet scheduling at hardware speed. Computer Communications, 2018, 120, 32-45.	5.1	6
31	Implementing a parallel PROLOG interpreter by using OCCAM and transputers. Microprocessors and Microsystems, 1989, 13, 271-279.	2.8	5
32	The ACM SIGCOMM 2009 technical program committee process. Computer Communication Review, 2009, 39, 43-48.	1.8	5
33	Cache-aware design of general-purpose Single-Producer/Single-Consumer queues. Software - Practice and Experience, 2019, 49, 748-779.	3.6	5
34	Guest editorial - network support for multicast communications. IEEE Journal on Selected Areas in Communications, 2002, 20, 1441-1443.	14.0	4
35	On service guarantees of fair-queueing schedulers in real systems. Computer Communications, 2015, 67, 34-44.	5.1	4
36	Very high speed link emulation with TLEM. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Hardware support for load sharing in parallel systems. Journal of Systems Architecture, 1996, 42, 129-143.	4.3	1
38	Adding emulation to planetlab nodes. , 2009, , .		1
39	Using transputers in a TCP/IP environment: the PCserver approach. Microprocessors and Microsystems, 1993, 17, 529-536.	2.8	0
40	BPFHV: Adaptive Network Paravirtualization for Continuous Cloud Provider Evolution. , 2019, , .		0