Luigi Rizzo

List of Publications by Year
in descending order

40	3,072	687363	526287
papers	citations	13	27
		h-index	g-index

41	41	41	1487
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cache‑aware design of general‑purpose Single‑Producer–Single‑Consumer queues. Software - Practice and Experience, 2019, 49, 748-779.	3.6	5
2	BPFHV: Adaptive Network Paravirtualization for Continuous Cloud Provider Evolution. , 2019, , .		0
3	PSPAT: Software packet scheduling at hardware speed. Computer Communications, 2018, 120, 32-45.	5.1	6
4	A Survey of Fast Packet I/O Technologies for Network Function Virtualization. Lecture Notes in Computer Science, 2017, , 579-590.	1.3	20
5	Flexible virtual machine networking using netmap passthrough. , 2016, , .		19
6	Very high speed link emulation with TLEM. , 2016, , .		2
7	A Study of Speed Mismatches Between Communicating Virtual Machines. , 2016, , .		7
8	On service guarantees of fair-queueing schedulers in real systems. Computer Communications, 2015, 67, 34-44.	5.1	4
9	Virtual device passthrough for high speed VM networking. , 2015, , .		17
10	E2. , 2015, , .		236
11	mSwitch. , 2015, , .		45
12	Rollback-Recovery for Middleboxes. , 2015, , .		96
13	Rollback-Recovery for Middleboxes. Computer Communication Review, 2015, 45, 227-240.	1.8	28
14	Rekindling network protocol innovation with user-level stacks. Computer Communication Review, 2014, 44, 52-58.	1.8	41
15	Portable packet processing modules for OS kernels. IEEE Network, 2014, 28, 6-11.	6.9	13
16	QFQ: Efficient Packet Scheduling With Tight Guarantees. IEEE/ACM Transactions on Networking, 2013, 21, 802-816.	3.8	27
17	Speeding up packet I/O in virtual machines. , 2013, , .		17
18	Revisiting network I/O APIs. Communications of the ACM, 2012, 55, 45-51.	4.5	115

#	Article	IF	Citations
19	VALE, a switched ethernet for virtual machines. , 2012, , .		121
20	Transparent acceleration of software packet forwarding using netmap. , 2012, , .		55
21	DXR. Computer Communication Review, 2012, 42, 29-36.	1.8	53
22	Revisiting Network I/O APIs: The netmap Framework. Queue, 2012, 10, 30-39.	1.1	12
23	An emulation tool for PlanetLab. Computer Communications, 2011, 34, 1980-1990.	5.1	10
24	netmap. , 2011, , .		31
25	Dummynet revisited. Computer Communication Review, 2010, 40, 12-20.	1.8	221
26	The ACM SIGCOMM 2009 technical program committee process. Computer Communication Review, 2009, 39, 43-48.	1.8	5
27	Adding emulation to planetlab nodes. , 2009, , .		1
28	Guest editorial - network support for multicast communications. IEEE Journal on Selected Areas in Communications, 2002, 20, 1441-1443.	14.0	4
29	pgmcc. Computer Communication Review, 2000, 30, 17-28.	1.8	139
30	Replacement policies for a proxy cache. IEEE/ACM Transactions on Networking, 2000, 8, 158-170.	3.8	183
31	RMDP. Mobile Computing and Communications Review, 1998, 2, 23-31.	1.7	145
32	Dummynet. Computer Communication Review, 1997, 27, 31-41.	1.8	634
33	A very fast algorithm for RAM compression. Operating Systems Review (ACM), 1997, 31, 36-45.	1.9	24
34	Effective erasure codes for reliable computer communication protocols. Computer Communication Review, 1997, 27, 24-36.	1.8	706
35	A hybrid approach to adaptive load sharing and its performance. Journal of Systems Architecture, 1997, 42, 679-696.	4.3	10
36	Hardware support for load sharing in parallel systems. Journal of Systems Architecture, 1996, 42, 129-143.	4.3	1

#	Article	IF	Citations
37	Using transputers in a TCP/IP environment: the PCserver approach. Microprocessors and Microsystems, 1993, 17, 529-536.	2.8	0
38	SSCSSC: a tool for the teaching of digital circuits. IEEE Transactions on Education, 1991, 34, 70-75.	2.4	7
39	Simulation and performance evaluation of parallel software on multiprocessor systems. Microprocessors and Microsystems, 1989, 13, 39-46.	2.8	6
40	Implementing a parallel PROLOG interpreter by using OCCAM and transputers. Microprocessors and Microsystems, 1989, 13, 271-279.	2.8	5