Laurent Lefevre

List of Publications by Year
in descending order

36 papers	763 citations	933447 10 h-index	677142 22 g-index
37 all docs	37 docs citations	37 times ranked	666 citing authors

#	Article	IF	Citations
1	A survey on techniques for improving the energy efficiency of large-scale distributed systems. ACM Computing Surveys, 2014, 46, 1-31.	23.0	236
2	Designing and evaluating an energy efficient Cloud. Journal of Supercomputing, 2010, 51, 352-373.	3.6	85
3	Save Watts in Your Grid: Green Strategies for Energy-Aware Framework in Large Scale Distributed Systems. , 2008, , .		70
4	The GREEN-NET framework: Energy efficiency in large scale distributed systems. , 2009, , .		54
5	Toward an intelligent and efficient beehive: A survey of precision beekeeping systems and services. Computers and Electronics in Agriculture, 2022, 192, 106604.	7.7	33
6	Fault tolerance for highly available internet services: concepts, approaches, and issues. IEEE Communications Surveys and Tutorials, 2008, 10, 34-46.	39.4	27
7	Segment routing based traffic engineering for energy efficient backbone networks. , 2014, , .		24
8	The Green Gridâ€™5000: Instrumenting and Using a Grid with Energy Sensors. , 2012, , 25-42.		21
9	Chasing Gaps between Bursts: Towards Energy Efficient Large Scale Experimental Grids. , 2008, , .		20
10	Smart scheduling for saving energy in grid computing. Expert Systems With Applications, 2012, 39, 9443-9450.	7.6	17
11	Reducing the energy consumption of large-scale computing systems through combined shutdown policies with multiple constraints. International Journal of High Performance Computing Applications, 2018, 32, 176-188.	3.7	16
12	TOWARDS ENERGY AWARE RESERVATION INFRASTRUCTURE FOR LARGE-SCALE EXPERIMENTAL DISTRIBUTED SYSTEMS. Parallel Processing Letters, 2009, 19, 419-433.	0.6	15
13	Assessing Power Monitoring Approaches for Energy and Power Analysis of Computers. Sustainable Computing: Informatics and Systems, 2014, 4, 68-82.	2.2	15
14	Quantifying the impact of shutdown techniques for energyâ€efficient data centers. Concurrency Computation Practice and Experience, 2018, 30, e4471.	2.2	14
15	TOWARDS THE DESIGN OF A HIGH PERFORMANCE ACTIVE NODE. Parallel Processing Letters, 2003, 13, 149-167.	0.6	13
16	ERIDIS: ENERGY-EFFICIENT RESERVATION INFRASTRUCTURE FOR LARGE-SCALE DISTRIBUTED SYSTEMS. Parallel Processing Letters, 2011, 21, 133-154.	0.6	10
17	â€œBig, Medium, Littleâ€ Reaching Energy Proportionality with Heterogeneous Computing Scheduler. Parallel Processing Letters, 2015, 25, 1541006.	0.6	10
18	Energy Aware Dynamic Provisioning for Heterogeneous Data Centers. , 2016, , .		10

#	Article	IF	Citations
19	Your cluster is not power homogeneous: Take care when designing green schedulers!. , 2013, , .		9
20	Improving the energy efficiency of software-defined backbone networks. Photonic Network Communications, 2015, 30, 337-347.	2.7	9
21	Energy monitoring as an essential building block towards sustainable ultrascale systems. Sustainable Computing: Informatics and Systems, 2018, 17, 27-42.	2.2	8
22	FT-FW: A cluster-based fault-tolerant architecture for stateful firewalls. Computers and Security, 2012, 31, 524-539.	6.0	7
23	Analysis of energy consumption in a precision beekeeping system. , 2020, , .		7
24	Energy Aware Clouds. Computer Communications and Networks, 2011, , 143-166.	0.8	6
25	Demystifying Cluster-Based Fault-Tolerant Firewalls. IEEE Internet Computing, 2009, 13, 31-38.	3.3	5
26	Responsive algorithms for handling load surges and switching links on in green networks. , 2016, , .		4
27	Deployment of Collaborative Web Caching with Active Networks. Lecture Notes in Computer Science, 2004, , 80-91.	1.3	4
28	Designing and building SDN testbeds for energy-aware traffic engineering services. Photonic Network Communications, 2017, 34, 396-410.	2.7	3
29	Shutdown Policies with Power Capping forÂLarge Scale Computing Systems. Lecture Notes in Computer Science, 2017, , 134-146.	1.3	3
30	Active and logistical networking for grid computing: the e-Toile architecture. Future Generation Computer Systems, 2005, 21, 199-208.	7.5	2
31	TEMIC: a New Cooperative Platform for Industrial Tele-Maintenance. , 2006, , .		1
32	IAN2 : Industrial Autonomic Network Node architecture for supporting personalized network services in the industrial context. Future Generation Computer Systems, 2008, 24, 58-65.	7.5	1
33	Towards the Design of an Industrial Autonomic Network Node. Lecture Notes in Computer Science, 2009, , 96-107.	1.3	1
34	Green Wired Networks. , 0, , 41-80.		1
35	Flexibilité et performance dans les routeurs actifs logiciels pour un support efficace des services déployés sur des réseaux gigabits. Annales Des Telecommunications/Annals of Telecommunications, 2004, 59, 655-695.	2.5	0
36	Active and Logistical Networking for Grid Computing: The E-toile Architecture. Lecture Notes in Computer Science, 2004, , 202-209.	1.3	0