

# SÃ©bastien Lafond

## List of Publications by Year in descending order

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47  
papers

392  
citations

1478505

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1372567

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49  
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49  
docs citations

49  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction-Based Dynamic Resource Allocation for Video Transcoding in Cloud Computing. , 2013, , .		71
2	Stream-Based Admission Control and Scheduling for Video Transcoding in Cloud Computing. , 2013, , .		32
3	A Computation and Storage Trade-off Strategy for Cost-Efficient Video Transcoding in the Cloud. , 2013, , .		26
4	Analysis of video segmentation for spatial resolution reduction video transcoding. , 2011, , .		18
5	Quasi-Static Scheduling of CAL Actor Networks for Reconfigurable Video Coding. Journal of Signal Processing Systems, 2011, 63, 191-202.	2.1	18
6	Energy consumption analysis for two embedded Java virtual machines. Journal of Systems Architecture, 2007, 53, 328-337.	4.3	17
7	Bit Rate Reduction Video Transcoding with Distributed Computing. , 2012, , .		17
8	Energy efficiency and performance management of parallel dataflow applications. , 2014, , .		15
9	Evolutionary computational platform for the automatic discovery of nanocarriers for cancer treatment. Npj Computational Materials, 2021, 7, .	8.7	12
10	Task Migration for Dynamic Power and Performance Characteristics on Many-Core Distributed Operating Systems. , 2013, , .		11
11	Video transcoding time prediction for proactive load balancing. , 2014, , .		11
12	Thermal influence on the energy efficiency of workload consolidation in many-core architectures. , 2013, , .		10
13	Core Level Utilization for Achieving Energy Efficiency in Heterogeneous Systems. , 2017, , .		10
14	Feasibility of using renewable energy to supply data centers in 60° north latitude. Sustainable Computing: Informatics and Systems, 2018, 17, 96-106.	2.2	10
15	A task migration mechanism for distributed many-core operating systems. Journal of Supercomputing, 2014, 68, 1141-1162.	3.6	8
16	Green Data Centers. , 0, , 159-196.		8
17	Interrupt Costs in Embedded System with Short Latency Hardware Accelerators. , 2008, , .		7
18	IoT at Sea. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
19	Cost and Energy Reduction Evaluation for ARM Based Web Servers. , 2011, , .		6
20	Energy-Awareness and Performance Management with Parallel Dataflow Applications. Journal of Signal Processing Systems, 2017, 87, 33-48.	2.1	6
21	Automatic exploratory performance testing using a discriminator neural network. , 2020, , .		6
22	Analysis and Transcoding Time Prediction of Online Videos. , 2015, , .		5
23	Fast coding unit selection based on local texture characteristics for HEVC intra frame. , 2015, , .		5
24	Datacenters powered by renewable energy: A case study for 60 degrees latitude north. , 2016, , .		5
25	On the Verification and Validation of AI Navigation Algorithms. , 2020, , .		5
26	Online GANs for Automatic Performance Testing. , 2021, , .		4
27	Energy efficiency analysis of multi-stream MPEG-4 decoder systems. Proceedings of SPIE, 2008, , .	0.8	3
28	A PID-Controlled Power Manager for Energy Efficient Web Clusters. , 2011, , .		3
29	Energy efficient thresholds for cached content in Content Centric Networking. , 2013, , .		3
30	Data Collection and Utilization Framework for Edge AI Applications. , 2021, , .		3
31	Battery Size Impact in Green Coverage of Datacenters Powered by Renewable Energy: A Latitude Comparison. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 548-559.	0.7	3
32	Static Energy Saving Through Multi-Bank Memory Architecture. , 2006, , .		2
33	Receiver Coding Gain in DVB-H Terminals Using Application Layer FEC Codes. , 2008, , .		2
34	QoS Manager for Energy Efficient Many-Core Operating Systems. , 2013, , .		2
35	Frame Synchronization of Live Video Streams Using Visible Light Communication. , 2015, , .		2
36	Enabling Fast Exploration and Validation of Thermal Dissipation Requirements for Heterogeneous SoCs. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	Power proportional characteristics of an energy manager for web clusters. , 2011, , .		1
38	A run-time power manager exploiting software parallelism. , 2014, , .		1
39	Energy aware software: Issues, approaches and challenges. , 2016, , .		1
40	A Experimental Research Platform for Maritime Automation and Autonomous Surface Ship Applications. IFAC-PapersOnLine, 2021, 54, 390-394.	0.9	1
41	Parallel decoder for low density parity check codes: A MPSoC study. , 2013, , .		0
42	Integration of dataflow components within a legacy video transcoding framework. , 2015, , .		0
43	Cost-Efficient, Utility-Based Caching of Expensive Computations in the Cloud. , 2015, , .		0
44	Energy-Efficient Actor Execution for SDF Application on Heterogeneous Architectures. , 2018, , .		0
45	Exploring Energy Efficiency Model Generalization on Multicore Embedded Platforms. , 2018, , .		0
46	Towards Very Low-Power Mobile Terminals through Optimized Computational Offloading. , 2020, , .		0
47	Energy aware ultrascale systems. , 2019, , 127-188.		0