SÃ©bastien Lafond

List of Publications by Year
in descending order

47 papers	392 citations	1478505 6 h-index	1372567 10 g-index
49 all docs	49 docs citations	49 times ranked	311 citing authors

#	Article	IF	Citations
1	Enabling Fast Exploration and Validation of Thermal Dissipation Requirements for Heterogeneous SoCs. , 2021, , .		2
2	Online GANs for Automatic Performance Testing. , 2021, , .		4
3	Data Collection and Utilization Framework for Edge AI Applications. , 2021, , .		3
4	Evolutionary computational platform for the automatic discovery of nanocarriers for cancer treatment. Npj Computational Materials, 2021, 7, .	8.7	12
5	A Experimental Research Platform for Maritime Automation and Autonomous Surface Ship Applications. IFAC-PapersOnLine, 2021, 54, 390-394.	0.9	1
6	Towards Very Low-Power Mobile Terminals through Optimized Computational Offloading. , 2020, , .		0
7	Automatic exploratory performance testing using a discriminator neural network. , 2020, , .		6
8	On the Verification and Validation of AI Navigation Algorithms. , 2020, , .		5
9	Energy aware ultrascale systems. , 2019, , 127-188.		0
10	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
11	IoT at Sea. , 2018, , .		7
12	Energy-Efficient Actor Execution for SDF Application on Heterogeneous Architectures. , 2018, , .		0
13	Exploring Energy Efficiency Model Generalization on Multicore Embedded Platforms. , 2018, , .		0
14	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
15	Energy-Awareness and Performance Management with Parallel Dataflow Applications. Journal of Signal Processing Systems, 2017, 87, 33-48.	2.1	6
16	Core Level Utilization for Achieving Energy Efficiency in Heterogeneous Systems. , 2017, , .		10
17	Energy aware software: Issues, approaches and challenges. , 2016, , .		1
18	Datacenters powered by renewable energy: A case study for 60 degrees latitude north. , 2016, , .		5

#	Article	IF	Citations
19	Frame Synchronization of Live Video Streams Using Visible Light Communication. , 2015, , .		2
20	Integration of dataflow components within a legacy video transcoding framework. , 2015, , .		0
21	Analysis and Transcoding Time Prediction of Online Videos. , 2015, , .		5
22	Fast coding unit selection based on local texture characteristics for HEVC intra frame. , 2015, , .		5
23	Cost-Efficient, Utility-Based Caching of Expensive Computations in the Cloud. , 2015, , .		0
24	A run-time power manager exploiting software parallelism. , 2014, , .		1
25	Energy efficiency and performance management of parallel dataflow applications. , 2014, , .		15
26	Video transcoding time prediction for proactive load balancing. , 2014, , .		11
27	A task migration mechanism for distributed many-core operating systems. Journal of Supercomputing, 2014, 68, 1141-1162.	3.6	8
28	QoS Manager for Energy Efficient Many-Core Operating Systems. , 2013, , .		2
29	Parallel decoder for low density parity check codes: A MPSoC study. , 2013, , .		0
30	Energy efficient thresholds for cached content in Content Centric Networking. , 2013, , .		3
31	Thermal influence on the energy efficiency of workload consolidation in many-core architectures. , 2013, , .		10
32	Prediction-Based Dynamic Resource Allocation for Video Transcoding in Cloud Computing. , 2013, , .		71
33	Stream-Based Admission Control and Scheduling for Video Transcoding in Cloud Computing. , 2013, , .		32
34	Task Migration for Dynamic Power and Performance Characteristics on Many-Core Distributed Operating Systems. , 2013, , .		11
35	A Computation and Storage Trade-off Strategy for Cost-Efficient Video Transcoding in the Cloud. , 2013, , .		26
36	Bit Rate Reduction Video Transcoding with Distributed Computing. , 2012, , .		17

#	Article	IF	Citations
37	Power proportional characteristics of an energy manager for web clusters. , 2011, , .		1
38	Analysis of video segmentation for spatial resolution reduction video transcoding. , 2011, , .		18
39	Quasi-Static Scheduling of CAL Actor Networks for Reconfigurable Video Coding. Journal of Signal Processing Systems, 2011, 63, 191-202.	2.1	18
40	Cost and Energy Reduction Evaluation for ARM Based Web Servers. , 2011, , .		6
41	A PID-Controlled Power Manager for Energy Efficient Web Clusters. , 2011, , .		3
42	Receiver Coding Gain in DVB-H Terminals Using Application Layer FEC Codes. , 2008, , .		2
43	Interrupt Costs in Embedded System with Short Latency Hardware Accelerators. , 2008, , .		7
44	Energy efficiency analysis of multi-stream MPEG-4 decoder systems. Proceedings of SPIE, 2008, , .	0.8	3
45	Energy consumption analysis for two embedded Java virtual machines. Journal of Systems Architecture, 2007, 53, 328-337.	4.3	17
46	Static Energy Saving Through Multi-Bank Memory Architecture. , 2006, , .		2
47	Green Data Centers. , 0, , 159-196.		8