

LÃ³cia Drummond

List of Publications by Year in descending order

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42
papers

760
citations

858243

12
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620720

26
g-index

44
all docs

44
docs citations

44
times ranked

790
citing authors

#	ARTICLE	IF	CITATIONS
1	A dynamic task scheduler tolerant to multiple hibernations in cloud environments. Cluster Computing, 2021, 24, 1051-1073.	3.5	11
2	Kernel concurrency opportunities based on GPU benchmarks characterization. Cluster Computing, 2020, 23, 177-188.	3.5	8
3	Provenance-based fault tolerance technique recommendation for cloud-based scientific workflows: a practical approach. Cluster Computing, 2020, 23, 123-148.	3.5	11
4	Using machine learning techniques to analyze the performance of concurrent kernel execution on GPUs. Future Generation Computer Systems, 2020, 113, 528-540.	4.9	7
5	An Interference-Aware Strategy for Co-locating High Performance Computing Applications in Clouds. Communications in Computer and Information Science, 2020, , 3-20.	0.4	1
6	A Bag-of-Tasks Scheduler Tolerant to Temporal Failures in Clouds. , 2019, , .		9
7	Maximizing the GPU resource usage by reordering concurrent kernels submission. Concurrency Computation Practice and Experience, 2019, 31, e4409.	1.4	9
8	Eeny Meeny Miny Moe: Choosing the Fault Tolerance Technique for my Cloud Workflow. Communications in Computer and Information Science, 2018, , 321-336.	0.4	2
9	An Interference-Aware Virtual Machine Placement Strategy for High Performance Computing Applications in Clouds. , 2018, , .		0
10	Analysis and Characterization of GPU Benchmarks for Kernel Concurrency Efficiency. Communications in Computer and Information Science, 2018, , 71-86.	0.4	1
11	Evaluating balancing on social networks through the efficient solution of correlation clustering problems. EURO Journal on Computational Optimization, 2017, 5, 467-498.	1.5	23
12	A hybrid evolutionary algorithm for task scheduling and data assignment of data-intensive scientific workflows on clouds. Future Generation Computer Systems, 2017, 76, 1-17.	4.9	49
13	A multivariate and quantitative model for predicting cross-application interference in virtual environments. Journal of Systems and Software, 2017, 128, 150-163.	3.3	14
14	A Graphics Processing Unit Algorithm to Solve the Quadratic Assignment Problem Using Level-2 Reformulation-Linearization Technique. INFORMS Journal on Computing, 2017, 29, 676-687.	1.0	7
15	Accelerating Pre-Stack Kirchhoff Time Migration by Manual Vectorization. Concurrency Computation Practice and Experience, 2017, 29, e3935.	1.4	3
16	A Dynamic Cloud Dimensioning Approach for Parallel Scientific Workflows: a Case Study in the Comparative Genomics Domain. Journal of Grid Computing, 2016, 14, 443-461.	2.5	5
17	Memory aware load balance strategy on a parallel branch-and-bound application. Concurrency Computation Practice and Experience, 2015, 27, 1122-1144.	1.4	9
18	On the Evaluation of Contention-Aware List Schedulers on Multicore Cluster. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	An ILS algorithm to evaluate structural balance in signed social networks. , 2015, , .		10
20	Handling flash-crowd events to improve the performance of web applications. , 2015, , .		8
21	Optimizing virtual machine allocation for parallel scientific workflows in federated clouds. Future Generation Computer Systems, 2015, 46, 51-68.	4.9	46
22	Evaluating Grasp-based cloud dimensioning for comparative genomics: A practical approach. , 2014, , .		8
23	A distributed transportation simplex applied to a Content Distribution Network problem. RAIRO - Operations Research, 2014, 48, 189-210.	1.0	1
24	Towards an efficient parallel raycasting of unstructured volumetric data on distributed environments. Cluster Computing, 2014, 17, 423-439.	3.5	3
25	Optimization of a Cloud Resource Management Problem from a Consumer Perspective. Lecture Notes in Computer Science, 2014, , 218-227.	1.0	11
26	Efficient Solution of the Correlation Clustering Problem: An Application to Structural Balance. Lecture Notes in Computer Science, 2013, , 674-683.	1.0	8
27	An efficient weighted bi-objective scheduling algorithm for heterogeneous systems. Parallel Computing, 2011, 37, 349-364.	1.3	19
28	Fault Tolerance in an Industrial Seismic Processing Application for Multicore Clusters. Lecture Notes in Computer Science, 2011, , 264-271.	1.0	1
29	A distributed dual ascent algorithm for the Hop-constrained Steiner Tree Problem. Operations Research Letters, 2010, 38, 57-62.	0.5	13
30	A parallel heuristic for the Vehicle Routing Problem with Simultaneous Pickup and Delivery. Computers and Operations Research, 2010, 37, 1899-1911.	2.4	216
31	Solving Replica Placement and Request Distribution in Content Distribution Networks. Electronic Notes in Discrete Mathematics, 2010, 36, 89-96.	0.4	22
32	Dynamic screen division for load balancing the raycasting of irregular data. , 2009, , .		0
33	A distributed dual ascent algorithm for Steiner problems in multicast routing. Networks, 2009, 53, 170-183.	1.6	11
34	A Distributed Primal-Dual Heuristic for Steiner Problems in Networks. , 2007, , 175-188.		0
35	A grid-enabled distributed branch-and-bound algorithm with application on the Steiner Problem in graphs. Parallel Computing, 2006, 32, 629-642.	1.3	13
36	Combining an evolutionary algorithm with data mining to solve a single-vehicle routing problem. Neurocomputing, 2006, 70, 70-77.	3.5	37

#	ARTICLE	IF	CITATIONS
37	On reducing the complexity of matrix clocks. <i>Parallel Computing</i> , 2003, 29, 895-905.	1.3	4
38	An asynchronous parallel metaheuristic for the period vehicle routing problem. <i>Future Generation Computer Systems</i> , 2001, 17, 379-386.	4.9	69
39	A parallel evolutionary algorithm for the vehicle routing problem with heterogeneous fleet. <i>Future Generation Computer Systems</i> , 1998, 14, 285-292.	4.9	73
40	Distributed Breakpoint Detection in Message-Passing Programs. <i>Journal of Parallel and Distributed Computing</i> , 1996, 39, 153-167.	2.7	13
41	From distributed algorithms to OCCAM programs by successive refinements. <i>Journal of Systems and Software</i> , 1994, 26, 257-272.	3.3	2
42	An integrated software environment for large-scale Occam programming. <i>Microprocessing and Microprogramming</i> , 1991, 32, 393-400.	0.3	1