Porfidio HernÃ¡ndez

List of Publications by Year
in descending order

48 papers	180 citations	1683354 5 h-index	1372195 10 g-index
52 all docs	52 docs citations	52 times ranked	116 citing authors

#	Article	IF	Citations
1	A Critical Path File Location (CPFL) algorithm for data-aware multiworkflow scheduling on HPC clusters. Future Generation Computer Systems, 2017, 74, 51-62.	4.9	5
2	Optimized Next-Generation Sequencing Genotype-Haplotype Calling for Genome Variability Analysis. Evolutionary Bioinformatics, 2017, 13, 117693431772388.	0.6	1
3	Improving Bioinformatics Analysis of Large Sequence Datasets Parallelizing Tools for Population Genomics. Lecture Notes in Computer Science, 2017, , 457-467.	1.0	0
4	Approaching Long Genomic Regions and Large Recombination Rates with msParSm as an Alternative to MaCS. Evolutionary Bioinformatics, 2016, 12, EBO.S40268.	0.6	0
5	A Data-Aware MultiWorkflow Cluster Scheduler. , 2016, , .		1
6	Efficient mapping of genomic sequences to optimize multiple pairwise alignment in hybrid cluster platforms. Journal of Integrative Bioinformatics, 2014, 11, 60-71.	1.0	0
7	Job scheduling in Hadoop with Shared Input Policy and RAMDISK. , 2014, , .		8
8	msPar: A Parallel Coalescent Simulator. Lecture Notes in Computer Science, 2014, , 321-330.	1.0	2
9	Efficient mapping of genomic sequences to optimize multiple pairwise alignment in hybrid cluster platforms. Journal of Integrative Bioinformatics, 2014, 11, 251.	1.0	0
10	Performance analysis of computational approaches to solve Multiple Sequence Alignment. Journal of Supercomputing, 2013, 64, 69-78.	2.4	4
11	Job scheduling for optimizing data locality in Hadoop clusters. , 2013, , .		9
12	State-based predictions with self-correction on Enterprise Desktop Grid environments. Journal of Parallel and Distributed Computing, 2013, 73, 777-789.	2.7	10
13	An Optimization for MapReduce Frameworks in Multi-core Architectures. Procedia Computer Science, 2013, 18, 2587-2590.	1.2	2
14	n-step FM-Index for Faster Pattern Matching. Procedia Computer Science, 2013, 18, 70-79.	1.2	28
15	Pairwise Sequence Alignment Method for Distributed Shared Memory Systems. , 2013, , .		2
16	Analysis and improvement of map-reduce data distribution in read mapping applications. Journal of Supercomputing, 2012, 62, 1305-1317.	2.4	5
17	On/Off-Line Prediction Applied to Job Scheduling on Non-Dedicated NOWs. Journal of Computer Science and Technology, 2011, 26, 99-116.	0.9	2
18	Scheduling Soft Real-Time Applications on NOWs. , 2010, , .		0

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19	Cost models for Failure Management on a Peer to peer VoD system. , 2009, , .		0
20	Resource manager with multi-core support for parallel desktop. , 2009, , .		0
21	Enhancing Prediction on Non-dedicated Clusters. Lecture Notes in Computer Science, 2008, , 233-242.	1.0	0
22	Analytical Evaluation of Clientsâ€™ Failures in a LVoD Architecture Based on P2P and Multicast Paradigms. Lecture Notes in Computer Science, 2008, , 856-865.	1.0	0
23	Cooperating CoScheduling: A Coscheduling Proposal Aimed at Non-Dedicated Heterogeneous NOWs. Journal of Computer Science and Technology, 2007, 22, 695-710.	0.9	3
24	Using Simulation, Historical and Hybrid Estimation Systems for Enhacing Job Scheduling on NOWs. , 2006, , .		1
25	DVoDP/sup 2/P: distributed P2P assisted multicast VoD architecture. , 2006, , .		1
26	Multi-Collaboration Domain Multicast P2P Delivery Architecture for VoD System. , 2006, , .		2
27	Designing a Video-on-Demand System for a Brazilian High Speed Network. , 2006, , .		8
28	Using On-the-Fly Simulation for Estimating the Turnaround Time on Non-dedicated Clusters. Lecture Notes in Computer Science, 2006, , 177-187.	1.0	4
29	CISNE: A New Integral Approach for Scheduling Parallel Applications on Non-dedicated Clusters. Lecture Notes in Computer Science, 2005, , 220-230.	1.0	11
30	A Space and Time Sharing Scheduling Approach for PVM Non-dedicated Clusters. Lecture Notes in Computer Science, 2005, , 379-387.	1.0	3
31	Coscheduling and Multiprogramming Level in a Non-dedicated Cluster. Lecture Notes in Computer Science, 2004, , 327-336.	1.0	8
32	Providing interactive video on demand services in distributed architecture. , 2003, , .		6
33	IMPROVING BANDWIDTH EFFICIENCY IN DISTRIBUTED VIDEO-ON-DEMAND ARCHITECTURES. Parallel Processing Letters, 2003, 13, 589-600.	0.4	4
34	Cooperating Coscheduling in a Non-dedicated Cluster. Lecture Notes in Computer Science, 2003, , 212-217.	1.0	5
35	Exploiting Traffic Balancing and Multicast Efficiency in Distributed Video-on-Demand Architectures. Lecture Notes in Computer Science, 2003, , 859-869.	1.0	0
36	Minimizing Paging Tradeoffs Applying Coscheduling Techniques in a Linux Cluster. Lecture Notes in Computer Science, 2003, , 593-607.	1.0	1

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37	Multiprogramming Level of PVM Jobs in a Non-dedicated Linux NOW. Lecture Notes in Computer Science, 2003, , 577-585.	1.0	1
38	Adjusting Time Slices to Apply Coscheduling Techniques in a Non-dedicated NOW. Lecture Notes in Computer Science, 2002, , 234-239.	1.0	2
39	Adjusting the Lengths of Time Slices when Scheduling PVM Jobs with High Memory Requirements. Lecture Notes in Computer Science, 2002, , 156-164.	1.0	1
40	Predictive Coscheduling Implementation in a Non-dedicated Linux Cluster. Lecture Notes in Computer Science, 2001, , 732-742.	1.0	5
41	MemTo: A Memory Monitoring Tool for a Linux Cluster. Lecture Notes in Computer Science, 2001, , 225-232.	1.0	1
42	Coscheduling under Memory Constraints in a NOW Environment. Lecture Notes in Computer Science, 2001, , 41-65.	1.0	6
43	Implementing and Analysing an Effective Explicit Coscheduling Algorithm on a NOW. Lecture Notes in Computer Science, 2001, , 75-88.	1.0	2
44	Implementing Explicit and Implicit Coscheduling in a PVM Environment. Lecture Notes in Computer Science, 2000, , 1165-1170.	1.0	4
45	Monito: A Communication Monitoring Tool for a PVM-Linux Environment. Lecture Notes in Computer Science, 2000, , 233-241.	1.0	0
46	Programming environment for a transputer based computer. Future Generation Computer Systems, 1994, 10, 295-299.	4.9	0
47	Impact of task duplication on static-scheduling performance in multiprocessor systems with variable execution-time tasks. , 1990, , .		3
48	Distributed P2P Merging Policy to Decentralize the Multicasting Delivery. , 0, , .		6