Vicente Blanco

List of Publications by Year
in descending order

46	234	1162367 8	1281420 11
papers	citations	h-index	g-index

48	48	48	233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measuring energy consumption using EML (energy measurement library). Computer Science - Research and Development, 2015, 30, 135-143.	2.7	19
2	Towards the Dynamic Load Balancing on Heterogeneous Multi-GPU Systems. , 2012, , .		16
3	Modeling and improving locality for the sparse-matrixâ€“vector product on cache memories. Future Generation Computer Systems, 2001, 18, 55-67.	4.9	14
4	Adaptive load balancing of iterative computation onÂheterogeneous nondedicated systems. Journal of Supercomputing, 2011, 58, 385-393.	2.4	14
5	Predicting the performance of parallel programs. Parallel Computing, 2004, 30, 337-356.	1.3	12
6	Dynamic load balancing on heterogeneous multicore/multiGPU systems. , 2010, , .		11
7	Dynamic load balancing on heterogeneous multi-GPU systems. Computers and Electrical Engineering, 2013, 39, 2591-2602.	3.0	10
8	Accurate analytical performance model of communications in MPI applications. , 2009, , .		8
9	IDEWEP: Web service for astronomical parallel image deconvolution. Journal of Network and Computer Applications, 2009, 32, 293-313.	5.8	8
10	Defects in subventricular zone pigmented epitheliumâ€derived factor niche signaling in the senescenceâ€accelerated mouse proneâ€8. FASEB Journal, 2015, 29, 1480-1492.	0.2	8
11	Energy monitoring as an essential building block towards sustainable ultrascale systems. Sustainable Computing: Informatics and Systems, 2018, 17, 27-42.	1.6	8
12	A Dynamic Multiâ€“Objective Approach for Dynamic Load Balancing in Heterogeneous Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2421-2434.	4.0	8
13	: visualizing the performance prediction of parallel iterative solvers. Future Generation Computer Systems, 2003, 19, 721-733.	4.9	7
14	Software Tools for Performance Modeling of Parallel Programs. , 2007, , .		7
15	Analytical Modeling of the Energy Consumption for the High Performance Linpack. , 2013, , .		7
16	Lightweight Web Services for High Performace Computing. Lecture Notes in Computer Science, 2007, , 225-236.	1.0	7
17	An approach to reduce energy consumption and performance losses on heterogeneous servers using power capping. Journal of Scheduling, 2021, 24, 489-505.	1.3	7
18	A heuristic technique to improve energy efficiency with dynamic load balancing. Journal of Supercomputing, 2019, 75, 1610-1624.	2.4	6

#	Article	IF	Citations
19	Principal component analysis on vector computers. Lecture Notes in Computer Science, 1997, , 416-428.	1.0	6
20	Performance Modeling of MPI Applications Using Model Selection Techniques. , 2010, , .		5
21	Modeling energy consumption for masterâ€“slave applications. Journal of Supercomputing, 2013, 65, 1137-1149.	2.4	5
22	Modeling and improving locality for irregular problems: Sparse matrix-Vector product on cache memories as a case study. Lecture Notes in Computer Science, 1999, , 201-210.	1.0	3
23	From Complexity Analysis to Performance Analysis. Lecture Notes in Computer Science, 2003, , 704-711.	1.0	3
24	Performance Prediction for Parallel Iterative Solvers. Journal of Supercomputing, 2004, 28, 177-191.	2.4	3
25	Parallelization of the GNU Scientific Library on Heterogeneous Systems. , 0, , .		3
26	Modeling the performance of parallel applications using model selection techniques. Concurrency Computation Practice and Experience, 2014, 26, 586-599.	1.4	3
27	Energy Measurement Library (EML) Usage and Overhead Analysis. , 2015, , .		3
28	Web Services Based Platform for the Cell Counting Problem. Lecture Notes in Computer Science, 2014, , 83-92.	1.0	3
29	Towards automatic service generation and scheduling in the OpenCF project. International Journal of Web and Grid Services, 2008, 4, 367.	0.4	2
30	Toward the parallelization of GSL. Journal of Supercomputing, 2009, 48, 88-114.	2.4	2
31	Automatic parameter assessment of logp-based communication models in MPI environments. Procedia Computer Science, 2010, 1, 2155-2164.	1.2	2
32	Using accurate AIC-based performance models toÂimprove the scheduling of parallel applications. Journal of Supercomputing, 2011, 58, 332-340.	2.4	2
33	Analytical Energy Models for MPI Communications on a Sandy-Bridge Architecture. , 2013, , .		2
34	Energy Efficient Dynamic Load Balancing over MultiGPU Heterogeneous Systems. Lecture Notes in Computer Science, 2018, , 123-132.	1.0	2
35	Parallelization of GSL: Performance of Case Studies. Lecture Notes in Computer Science, 2006, , 444-453.	1.0	2
36	Parallelization of GSL: the Web service interface. , 2006, , .		1

#	Article	IF	Citations
37	Using Web Services for Performance Monitoring and Scheduling. , 2009, , .		1
38	Exposing Metaheuristics as Web Services in Distributed Systems using OpenCF. Electronic Notes in Discrete Mathematics, 2010, 36, 151-158.	0.4	1
39	Web services based scheduling in OpenCF. Journal of Supercomputing, 2011, 58, 168-176.	2.4	1
40	Improving Energy Consumption in Iterative Problems Using Machine Learning. Lecture Notes in Computer Science, 2020, , 134-143.	1.0	1
41	Modelling superlinear speedup on distributed memory multiprocessors. Advances in Parallel Computing, 1998, , 689-692.	0.3	0
42	Towards the Automatic Service Generation and Scheduling in the OpenCF Project. , 2008, , .		0
43	PETransWS: Web Service Computing Platform for Logistics and Transportation. , 2011, , .		0
44	EDAPPLETS: A WEB TOOL FOR TEACHING DATA STRUCTURES AND ALGORITHMIC TECHNIQUES. , 2009, , .		0
45	Energy Performance Modeling with TIA and EML. Lecture Notes in Computer Science, 2016, , 57-65.	1.0	0
46	The OpenCF: An Open Source Computational Framework Based on Web Services Technologies. , 2007, , 788-797.		0