

Jesus Labarta

List of Publications by Year in descending order

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239
papers

5,194
citations

218381

26
h-index

174990

52
g-index

254
all docs

254
docs citations

254
times ranked

2596
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerating FFT Using NEC SX-Aurora Vector Engine. Lecture Notes in Computer Science, 2022, , 179-190.	1.0	2
2	OmpSs@FPGA framework for high performance FPGA computing. IEEE Transactions on Computers, 2021, , 1-1.	2.4	10
3	sLASs: A fully automatic auto-tuned linear algebra library based on OpenMP extensions implemented in OmpSs (LASs Library). Journal of Parallel and Distributed Computing, 2020, 138, 153-171.	2.7	19
4	Towards an Auto-Tuned and Task-Based SpMV (LASs Library). Lecture Notes in Computer Science, 2020, , 115-129.	1.0	9
5	A Fast Solver for Large Tridiagonal Systems on Multi-Core Processors (Lass Library). IEEE Access, 2019, 7, 23365-23378.	2.6	16
6	MPI+X: task-based parallelisation and dynamic load balance of finite element assembly. International Journal of Computational Fluid Dynamics, 2019, 33, 115-136.	0.5	10
7	Studying the impact of the Full-Network embedding on multimodal pipelines. Semantic Web, 2019, 10, 909-923.	1.1	3
8	MPI+OpenMP tasking scalability for multi-morphology simulations of the human brain. Parallel Computing, 2019, 84, 50-61.	1.3	11
9	BLAS-3 Optimized by OmpSs Regions (LASs Library). , 2019, , .		9
10	Accelerating Conjugate Gradient using OmpSs. , 2019, , .		6
11	Integrating blocking and non-blocking MPI primitives with task-based programming models. Parallel Computing, 2019, 85, 153-166.	1.3	29
12	Optimization of Condensed Matter Physics Application with OpenMP Tasking Model. Lecture Notes in Computer Science, 2019, , 291-305.	1.0	4
13	The Cooperative Parallel: A Discussion About Run-Time Schedulers for Nested Parallelism. Lecture Notes in Computer Science, 2019, , 171-185.	1.0	2
14	Exploring the capabilities of support vector machines in detecting silent data corruptions. Sustainable Computing: Informatics and Systems, 2018, 19, 277-290.	1.6	11
15	Asynchronous and Exact Forward Recovery for Detected Errors in Iterative Solvers. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1961-1974.	4.0	3
16	Graph partitioning applied to DAG scheduling to reduce NUMA effects. , 2018, , .		3
17	Unified fault-tolerance framework for hybrid task-parallel message-passing applications. International Journal of High Performance Computing Applications, 2018, 32, 641-657.	2.4	11
18	Application Acceleration on FPGAs with OmpSs@FPGA. , 2018, , .		20

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19	MPI+OpenMP Tasking Scalability for the Simulation of the Human Brain. , 2018, , .		8
20	Improving the Interoperability between MPI and Task-Based Programming Models. , 2018, , .		13
21	Understanding memory access patterns using the BSC performance tools. Parallel Computing, 2018, 78, 1-14.	1.3	3
22	Graph partitioning applied to DAG scheduling to reduce NUMA effects. ACM SIGPLAN Notices, 2018, 53, 419-420.	0.2	3
23	Reducing Data Movement on Large Shared Memory Systems by Exploiting Computation Dependencies. , 2018, , .		14
24	Runtime-Guided Management of Stacked DRAM Memories in Task Parallel Programs. , 2018, , .		7
25	PyCOMPSs: Parallel computational workflows in Python. International Journal of High Performance Computing Applications, 2017, 31, 66-82.	2.4	88
26	ParaView + Alya + D8tree: Integrating High Performance Computing and High Performance Data Analytics. Procedia Computer Science, 2017, 108, 465-474.	1.2	2
27	Monitoring Heterogeneous Applications with the OpenMP Tools Interface. , 2017, , 41-57.		1
28	Performance Analysis of Parallel Python Applications. Procedia Computer Science, 2017, 108, 2171-2179.	1.2	16
29	Task Scheduling Techniques for Asymmetric Multi-Core Systems. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2074-2087.	4.0	36
30	Designing and Modelling Selective Replication for Fault-Tolerant HPC Applications. , 2017, , .		23
31	cuHinesBatch: Solving Multiple Hines systems on GPUs Human Brain Project. *This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 720270 (HBP SGA1), from the Spanish Ministry of Economy and Competitiveness under the project Computaci3n de Altas Prestaciones VII (TIN2015-65316-P) and the Departament d'Innovaci3n, Universitats i Empresa de la Generalitat de Catalunya, under project MPEXPAR: Models de Programaci3n i Entorns d'Execuci3n. Procedia Computer Science, 2017, 108, 566-575.	1.2	16
32	Improving the Integration of Task Nesting and Dependencies in OpenMP. , 2017, , .		29
33	Performance Analysis and Optimization of the FFTXlib on the Intel Knights Landing Architecture. , 2017, , .		3
34	Bio-Inspired Call-Stack Reconstruction for Performance Analysis. , 2016, , .		2
35	A Runtime Heuristic to Selectively Replicate Tasks for Application-Specific Reliability Targets. , 2016, , .		8
36	The Mont-Blanc Prototype: An Alternative Approach for HPC Systems. , 2016, , .		39

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37	MUSA: A Multi-level Simulation Approach for Next-Generation HPC Machines. , 2016, , .		18
38	Runtime-Guided Mitigation of Manufacturing Variability in Power-Constrained Multi-Socket NUMA Nodes. , 2016, , .		12
39	Reducing Cache Coherence Traffic with Hierarchical Directory Cache and NUMA-Aware Runtime Scheduling. , 2016, , .		8
40	Spatial Support Vector Regression to Detect Silent Errors in the Exascale Era. , 2016, , .		13
41	CATA: Criticality Aware Task Acceleration for Multicore Processors. , 2016, , .		10
42	Dynamic load balance applied to particle transport in fluids. International Journal of Computational Fluid Dynamics, 2016, 30, 408-418.	0.5	20
43	CRC-Based Memory Reliability for Task-Parallel HPC Applications. , 2016, , .		4
44	Heterogeneous Streaming. , 2016, , .		12
45	Detailed and simultaneous power and performance analysis. Concurrency Computation Practice and Experience, 2016, 28, 252-273.	1.4	6
46	PARSECSs. Transactions on Architecture and Code Optimization, 2016, 12, 1-22.	1.6	32
47	The Secrets of the Accelerators Unveiled: Tracing Heterogeneous Executions Through OMPT. Lecture Notes in Computer Science, 2016, , 217-236.	1.0	5
48	Multiple Target Task Sharing Support for the OpenMP Accelerator Model. Lecture Notes in Computer Science, 2016, , 268-280.	1.0	1
49	Supporting Adaptive Privatization Techniques for Irregular Array Reductions in Task-Parallel Programming Models. Lecture Notes in Computer Science, 2016, , 336-349.	1.0	3
50	Runtime-Guided Management of Scratchpad Memories in Multicore Architectures. , 2015, , .		10
51	Tareador. , 2015, , .		7
52	Exploiting asynchrony from exact forward recovery for DUE in iterative solvers. , 2015, , .		23
53	Marriage Between Coordinated and Uncoordinated Checkpointing for the Exascale Era. , 2015, , .		5
54	Boosting irregular array Reductions through In-lined Block-ordering on fast processors. , 2015, , .		2

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55	SSMART. , 2015, , .		6
56	Collective Offload for Heterogeneous Clusters. , 2015, , .		10
57	Spark deployment and performance evaluation on the MareNostrum supercomputer. , 2015, , .		14
58	Exploring dynamic parallelism in OpenMP. , 2015, , .		3
59	Runtime-Aware Architectures. Lecture Notes in Computer Science, 2015, , 16-27.	1.0	14
60	NanoCheckpoints: A Task-Based Asynchronous Dataflow Framework for Efficient and Scalable Checkpoint/Restart. , 2015, , .		20
61	AMA: Asynchronous Management of Accelerators for Task-based Programming Models. Procedia Computer Science, 2015, 51, 130-139.	1.2	6
62	Quiet Neighborhoods: Key to Protect Job Performance Predictability. , 2015, , .		35
63	Low-Overhead Detection of Memory Access Patterns and Their Time Evolution. Lecture Notes in Computer Science, 2015, , 57-69.	1.0	4
64	Programmer-directed partial redundancy for resilient HPC. , 2015, , .		16
65	Criticality-Aware Dynamic Task Scheduling for Heterogeneous Architectures. , 2015, , .		42
66	Evaluating the Impact of OpenMP 4.0 Extensions on Relevant Parallel Workloads. Lecture Notes in Computer Science, 2015, , 60-72.	1.0	12
67	Fault-Tolerant Protocol for Hybrid Task-Parallel Message-Passing Applications. , 2015, , .		11
68	Tareador: The Unbearable Lightness of Exploring Parallelism. , 2015, , 55-79.		2
69	Towards Task-Parallel Reductions in OpenMP. Lecture Notes in Computer Science, 2015, , 189-201.	1.0	1
70	ALOJA: A systematic study of Hadoop deployment variables to enable automated characterization of cost-effectiveness. , 2014, , .		20
71	Identifying Code Phases Using Piece-Wise Linear Regressions. , 2014, , .		0
72	Scheduling parallel jobs on multicore clusters using CPU oversubscription. Journal of Supercomputing, 2014, 68, 1113-1140.	2.4	8

#	ARTICLE	IF	CITATIONS
73	Hints to improve automatic load balancing with LeWI for hybrid applications. Journal of Parallel and Distributed Computing, 2014, 74, 2781-2794.	2.7	27
74	Automatic Exploration of Potential Parallelism in Sequential Applications. Lecture Notes in Computer Science, 2014, , 156-171.	1.0	5
75	Task-Based Programming with OmpSs and Its Application. Lecture Notes in Computer Science, 2014, , 601-612.	1.0	8
76	Performance Analysis and Parallelization Strategies in Neuron Simulation Codes. Lecture Notes in Computer Science, 2014, , 143-156.	1.0	1
77	Self-Adaptive OmpSs Tasks in Heterogeneous Environments. , 2013, , .		44
78	Programmability and portability for exascale: Top down programming methodology and tools with StarSs. Journal of Computational Science, 2013, 4, 450-456.	1.5	13
79	Framework for a productive performance optimization. Parallel Computing, 2013, 39, 336-353.	1.3	18
80	Identifying Critical Code Sections in Dataflow Programming Models. , 2013, , .		1
81	On the usefulness of object tracking techniques in performance analysis. , 2013, , .		17
82	Implementing OmpSs support for regions of data in architectures with multiple address spaces. , 2013, , .		40
83	On the trade-off of mixing scientific applications on capacity high-performance computing systems. IET Computers and Digital Techniques, 2013, 7, 81-92.	0.9	3
84	Programmable and Scalable Reductions on Clusters. , 2013, , .		5
85	On the Instrumentation of OpenMP and OmpSs Tasking Constructs. Lecture Notes in Computer Science, 2013, , 414-428.	1.0	9
86	Topic 1: Support Tools and Environments. Lecture Notes in Computer Science, 2013, , 3-3.	1.0	0
87	Tools for Power-Energy Modelling and Analysis of Parallel Scientific Applications. , 2012, , .		46
88	Automatic Refinement of Parallel Applications Structure Detection. , 2012, , .		6
89	The Network Adapter: The Missing Link between MPI Applications and Network Performance. , 2012, , .		1
90	On-the-Fly Adaptive Routing in High-Radix Hierarchical Networks. , 2012, , .		54

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91	Effective Quality-of-Service Policy for Capacity High-Performance Computing Systems. , 2012, , .		13
92	Productive Programming of GPU Clusters with OmpSs. , 2012, , .		110
93	Parallel job scheduling for power constrained HPC systems. Parallel Computing, 2012, 38, 615-630.	1.3	99
94	A high-productivity task-based programming model for clusters. Concurrency Computation Practice and Experience, 2012, 24, 2421-2448.	1.4	11
95	Understanding the future of energy-performance trade-off via DVFS in HPC environments. Journal of Parallel and Distributed Computing, 2012, 72, 579-590.	2.7	62
96	Extracting the optimal sampling frequency of applications using spectral analysis. Concurrency Computation Practice and Experience, 2012, 24, 237-259.	1.4	4
97	A Job Scheduling Approach for Multi-core Clusters Based on Virtual Malleability. Lecture Notes in Computer Science, 2012, , 191-203.	1.0	15
98	Contention-aware node allocation policy for high-performance capacity systems. , 2012, , .		1
99	Folding: Detailed Analysis with Coarse Sampling. , 2012, , 105-118.		1
100	The Impact of Application's Micro-Imbalance on the Communication-Computation Overlap. , 2011, , .		2
101	Unveiling Internal Evolution of Parallel Application Computation Phases. , 2011, , .		10
102	Trace Spectral Analysis toward Dynamic Levels of Detail. , 2011, , .		2
103	A Study of Speculative Distributed Scheduling on the Cell/B.E.. , 2011, , .		0
104	OmpSs: A PROPOSAL FOR PROGRAMMING HETEROGENEOUS MULTI-CORE ARCHITECTURES. Parallel Processing Letters, 2011, 21, 173-193.	0.4	482
105	Parallel Implementation of the Integral Histogram. Lecture Notes in Computer Science, 2011, , 586-598.	1.0	14
106	Optimizing the Exploitation of Multicore Processors and GPUs with OpenMP and OpenCL. Lecture Notes in Computer Science, 2011, , 215-229.	1.0	21
107	Simulating Whole Supercomputer Applications. IEEE Micro, 2011, 31, 32-45.	1.8	11
108	The International Exascale Software Project roadmap. International Journal of High Performance Computing Applications, 2011, 25, 3-60.	2.4	495

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109	ClusterSs. , 2011, , .		14
110	Linear programming based parallel job scheduling for power constrained systems. , 2011, , .		15
111	Making the Best of Temporal Locality: Just-in-Time Renaming and Lazy Write-Back on the Cell/B.E. International Journal of High Performance Computing Applications, 2011, 25, 137-147.	2.4	3
112	Guided Performance Analysis Combining Profile and Trace Tools. Lecture Notes in Computer Science, 2011, , 513-521.	1.0	4
113	Quantifying the Potential Task-Based Dataflow Parallelism in MPI Applications. Lecture Notes in Computer Science, 2011, , 39-51.	1.0	10
114	Productive Cluster Programming with OmpSs. Lecture Notes in Computer Science, 2011, , 555-566.	1.0	52
115	Utilization driven power-aware parallel job scheduling. Computer Science - Research and Development, 2010, 25, 207-216.	2.7	27
116	Extending OpenMP to Survive the Heterogeneous Multi-Core Era. International Journal of Parallel Programming, 2010, 38, 440-459.	1.1	50
117	Automatic Phase Detection and Structure Extraction of MPI Applications. International Journal of High Performance Computing Applications, 2010, 24, 335-360.	2.4	33
118	Simulation environment for studying overlap of communication and computation. , 2010, , .		3
119	Effective communication and computation overlap with hybrid MPI/SMPSs. , 2010, , .		7
120	Effective communication and computation overlap with hybrid MPI/SMPSs. ACM SIGPLAN Notices, 2010, 45, 337-338.	0.2	4
121	Overlapping communication and computation by using a hybrid MPI/SMPSs approach. , 2010, , .		55
122	Task Superscalar: An Out-of-Order Task Pipeline. , 2010, , .		86
123	A Simulation Framework to Automatically Analyze the Communication-Computation Overlap in Scientific Applications. , 2010, , .		9
124	Performance Data Extrapolation in Parallel Codes. , 2010, , .		6
125	Detailed Load Balance Analysis of Large Scale Parallel Applications. , 2010, , .		7
126	Impact of Inter-application Contention in Current and Future HPC Systems. , 2010, , .		16

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127	On-line detection of large-scale parallel application's structure. , 2010, , .		32
128	BSLD threshold driven power management policy for HPC centers. , 2010, , .		2
129	Optimizing job performance under a given power constraint in HPC centers. , 2010, , .		45
130	Detailed Performance Analysis Using Coarse Grain Sampling. Lecture Notes in Computer Science, 2010, , 185-198.	1.0	17
131	Handling task dependencies under strided and aliased references. , 2010, , .		25
132	MareIncognito: A Perspective towards Exascale. Lecture Notes in Computer Science, 2010, , 2-2.	1.0	0
133	CellSs: Scheduling Techniques to Better Exploit Memory Hierarchy. Scientific Programming, 2009, 17, 77-95.	0.5	15
134	Just-in-Time Renaming and Lazy Write-Back on the Cell/B.E.. , 2009, , .		1
135	Automatic detection of parallel applications computation phases. , 2009, , .		51
136	Hierarchical Task-Based Programming With StarSs. International Journal of High Performance Computing Applications, 2009, 23, 284-299.	2.4	136
137	Programmability Issues. International Journal of High Performance Computing Applications, 2009, 23, 328-331.	2.4	0
138	Exploring pattern-aware routing in generalized fat tree networks. , 2009, , .		15
139	BSC Vision Towards Exascale. International Journal of High Performance Computing Applications, 2009, 23, 340-343.	2.4	0
140	Parallelizing dense and banded linear algebra libraries using SMPs. Concurrency Computation Practice and Experience, 2009, 21, 2438-2456.	1.4	53
141	A Proposal to Extend the OpenMP Tasking Model with Dependent Tasks. International Journal of Parallel Programming, 2009, 37, 292-305.	1.1	39
142	Automatic Evaluation of the Computation Structure of Parallel Applications. , 2009, , .		12
143	Graph-Based Task Replication for Workflow Applications. , 2009, , .		3
144	Power-aware load balancing of large scale MPI applications. , 2009, , .		22

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145	LeWI: A Runtime Balancing Algorithm for Nested Parallelism. , 2009, , .		18
146	Impact of the Memory Hierarchy on Shared Memory Architectures in Multicore Programming Models. , 2009, , .		3
147	Oblivious routing schemes in extended generalized Fat Tree networks. , 2009, , .		31
148	A Proposal to Extend the OpenMP Tasking Model for Heterogeneous Architectures. Lecture Notes in Computer Science, 2009, , 154-167.	1.0	48
149	Exploiting Locality on the Cell/B.E. through Bypassing. Lecture Notes in Computer Science, 2009, , 318-328.	1.0	4
150	An Extension of the StarSs Programming Model for Platforms with Multiple GPUs. Lecture Notes in Computer Science, 2009, , 851-862.	1.0	80
151	A dependency-aware task-based programming environment for multi-core architectures. , 2008, , .		152
152	Prediction of behavior of MPI applications. , 2008, , .		6
153	An Evaluation of Marenstrum Performance. International Journal of High Performance Computing Applications, 2008, 22, 81-96.	2.4	5
154	Automatic analysis of speedup of MPI applications. , 2008, , .		21
155	Balancing HPC applications through smart allocation of resources in MT processors. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	14
156	Experiences Parallelizing a Web Server with OpenMP. Lecture Notes in Computer Science, 2008, , 191-202.	1.0	2
157	A Simulation of Seismic Wave Propagation at High Resolution in the Inner Core of the Earth on 2166 Processors of MareNostrum. Lecture Notes in Computer Science, 2008, , 364-377.	1.0	19
158	Performance Visualization Of Grid Applications Based On OCM-G And Paraver. , 2008, , 109-120.		0
159	Supercomputing for the Future, Supercomputing from the Past (Keynote). Lecture Notes in Computer Science, 2008, , 3-5.	1.0	0
160	Integration of the Enanos Execution Framework with GRMS. , 2008, , 25-39.		0
161	Monitoring and Analysis Framework for Grid Middleware. Parallel, Distributed and Network-based Processing, Proceedings of the Euromicro Workshop on, 2007, , .	0.0	0
162	Uniform job monitoring in the HPC-Europa project: data model, API and services. International Journal of Web and Grid Services, 2007, 3, 333.	0.4	4

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163	CellSs: Making it easier to program the Cell Broadband Engine processor. IBM Journal of Research and Development, 2007, 51, 593-604.	3.2	94
164	Modeling the Impact of Resource Sharing in Backfilling Policies using the Alvio Simulator. Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS), Proceedings of the International Symposium on, 2007, , .	0.0	11
165	A Proposal for Error Handling in OpenMP. International Journal of Parallel Programming, 2007, 35, 393-416.	1.1	8
166	Transactional Memory and OpenMP. Lecture Notes in Computer Science, 2007, , 37-53.	1.0	13
167	Automatic Structure Extraction from MPI Applications Tracefiles. Lecture Notes in Computer Science, 2007, , 3-12.	1.0	16
168	The Palantir Grid Meta-Information System. , 2006, , .		2
169	Including SMP in Grids as Execution Platform and Other Extensions in GRID Superscalar. , 2006, , .		1
170	CellSs: a Programming Model for the Cell BE Architecture. , 2006, , .		105
171	How the JSDL can exploit the parallelism?. , 2006, , .		7
172	Running OpenMP applications efficiently on an everything-shared SDSM. Journal of Parallel and Distributed Computing, 2006, 66, 647-658.	2.7	17
173	Automatic Grid workflow based on imperative programming languages. Concurrency Computation Practice and Experience, 2006, 18, 1169-1186.	1.4	15
174	2. Performance Analysis: From Art to Science. , 2006, , 9-32.		2
175	Memory--CellSs. , 2006, , .		113
176	Monitoring and analysing a Grid Middleware Node. , 2006, , .		2
177	An Expert Assistant for Computer Aided Parallelization. Lecture Notes in Computer Science, 2006, , 665-674.	1.0	4
178	eNANOS Grid Resource Broker. Lecture Notes in Computer Science, 2005, , 111-121.	1.0	30
179	Another approach to backfilled jobs. , 2005, , .		2
180	Implementing phylogenetic inference with GRID superscalar. , 2005, , .		1

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181	Performance-driven processor allocation. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 599-611.	4.0	34
182	Runtime Adjustment of Parallel Nested Loops. Lecture Notes in Computer Science, 2005, , 137-147.	1.0	7
183	Dynamic Load Balancing in MPI Jobs. , 2005, , 117-129.		2
184	What Multilevel Parallel Programs Do When You Are Not Watching: A Performance Analysis Case Study Comparing MPI/OpenMP, MLP, and Nested OpenMP. Lecture Notes in Computer Science, 2005, , 29-40.	1.0	5
185	Data Distribution Strategies for Domain Decomposition Applications in Grid Environments. Lecture Notes in Computer Science, 2005, , 214-224.	1.0	1
186	Performance Analysis of Domain Decomposition Applications Using Unbalanced Strategies in Grid Environments. Lecture Notes in Computer Science, 2005, , 1031-1042.	1.0	1
187	Paramedir: A Tool for Programmable Performance Analysis. Lecture Notes in Computer Science, 2004, , 466-469.	1.0	5
188	Page Migration with Dynamic Space-Sharing Scheduling Policies: The Case of the SGI O2000. International Journal of Parallel Programming, 2004, 32, 263-288.	1.1	13
189	Generation of Simple Analytical Models for Message Passing Applications. Lecture Notes in Computer Science, 2004, , 183-188.	1.0	17
190	Scheduling of MPI Applications: Self-co-scheduling. Lecture Notes in Computer Science, 2004, , 238-245.	1.0	3
191	Deriving analytical models from a limited number of runs. Advances in Parallel Computing, 2004, , 769-776.	0.3	8
192	Performance modeling of HPC applications. Advances in Parallel Computing, 2004, , 777-784.	0.3	17
193	Performance Prediction in a Grid Environment. Lecture Notes in Computer Science, 2004, , 257-264.	1.0	18
194	A Domain Decomposition Strategy for GRID Environments. Lecture Notes in Computer Science, 2004, , 353-361.	1.0	2
195	Predicting MPI Buffer Addresses. Lecture Notes in Computer Science, 2004, , 10-17.	1.0	1
196	Programming Grid Applications with GRID Superscalar. Journal of Grid Computing, 2003, 1, 151-170.	2.5	63
197	Taking advantage of heterogeneity in disk arrays. Journal of Parallel and Distributed Computing, 2003, 63, 448-464.	2.7	14
198	Exploiting pipelined executions in OpenMP. , 2003, , .		16

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199	Scaling Non-Regular Shared-Memory Codes by Reusing Custom Loop Schedules. Scientific Programming, 2003, 11, 143-158.	0.5	1
200	Evaluation of OpenMP for the Cyclops Multithreaded Architecture. Lecture Notes in Computer Science, 2003, , 69-83.	1.0	4
201	A Modified Dual-Priority Scheduling Algorithm for Hard Real-Time Systems to Improve Energy Savings. , 2003, , 17-36.		1
202	Interfacing Computer Aided Parallelization and Performance Analysis. Lecture Notes in Computer Science, 2003, , 181-190.	1.0	6
203	Scheduler-Activated Dynamic Page Migration for Multiprogrammed DSM Multiprocessors. Journal of Parallel and Distributed Computing, 2002, 62, 1069-1103.	2.7	3
204	On the Scalability of Tracing Mechanisms. Lecture Notes in Computer Science, 2002, , 97-104.	1.0	9
205	Dual-Level Parallelism Exploitation with OpenMP in Coastal Ocean Circulation Modeling. Lecture Notes in Computer Science, 2002, , 469-478.	1.0	0
206	A framework for integrating data alignment, distribution, and redistribution in distributed memory multiprocessors. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 416-431.	4.0	15
207	Complex pipelined executions in OpenMP parallel applications. , 2001, , .		7
208	A Dynamic Tracing Mechanism for Performance Analysis of OpenMP Applications. Lecture Notes in Computer Science, 2001, , 53-67.	1.0	17
209	OpenMP Extensions for Thread Groups and Their Run-Time Support. Lecture Notes in Computer Science, 2001, , 324-338.	1.0	15
210	NanosCompiler: supporting flexible multilevel parallelism exploitation in OpenMP. Concurrency and Computation: Practice and Experience, 2000, 12, 1205-1218.	0.6	27
211	Sensitivity of Performance Prediction of Message Passing Programs. Journal of Supercomputing, 2000, 17, 291-298.	2.4	4
212	A Transparent Runtime Data Distribution Engine for OpenMP. Scientific Programming, 2000, 8, 143-162.	0.5	8
213	A case for user-level dynamic page migration. , 2000, , .		30
214	Leveraging Transparent Data Distribution in OpenMP via User-Level Dynamic Page Migration. Lecture Notes in Computer Science, 2000, , 415-427.	1.0	3
215	UPMLIB: A Runtime System for Tuning the Memory Performance of OpenMP Programs on Scalable Shared-Memory Multiprocessors. , 2000, , 85-99.		19
216	Sparse Matrix Structure for Dynamic Parallelisation Efficiency. Lecture Notes in Computer Science, 2000, , 519-526.	1.0	6

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217	Validation of Dimemas Communication Model for MPI Collective Operations. Lecture Notes in Computer Science, 2000, , 39-46.	1.0	58
218	A Tool to Schedule Parallel Applications on Multiprocessors: The NANOS CPU Manager. Lecture Notes in Computer Science, 2000, , 87-112.	1.0	8
219	Thread fork/join techniques for multi-level parallelism exploitation in NUMA multiprocessors. , 1999, , .		48
220	Dynamic task scheduling in distributed real time systems using fuzzy rules. Microprocessors and Microsystems, 1998, 21, 299-311.	1.8	9
221	Run-time parallelization of large FEM analyses with PERMAS. Advances in Engineering Software, 1998, 29, 241-248.	1.8	5
222	Kernel-level scheduling for the nano-threads programming model. , 1998, , .		7
223	Exploiting parallelism through directives on the nano-threads programming model. Lecture Notes in Computer Science, 1998, , 307-321.	1.0	5
224	Runtime Parallelization of the Finite Element Code Permas. International Journal of High Performance Computing Applications, 1997, 11, 328-335.	1.6	5
225	Data distribution and loop parallelization for shared-memory multiprocessors. Lecture Notes in Computer Science, 1997, , 41-55.	1.0	2
226	Avoiding the cache-coherence problem in a parallel/distributed file system. Lecture Notes in Computer Science, 1997, , 860-869.	1.0	6
227	DDT: A Research Tool for Automatic Data Distribution in High Performance Fortran. Scientific Programming, 1997, 6, 73-94.	0.5	7
228	Analyzing scheduling policies using Dimemas. Parallel Computing, 1997, 23, 23-34.	1.3	26
229	Analyzing reference patterns in automatic data distribution tools. International Journal of Parallel Programming, 1995, 23, 515-535.	1.1	0
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