

Emilio E Luque

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

244
papers

1,172
citations

16
h-index

24
g-index

293
ext. papers

1,389
ext. citations

1.6
avg, IF

4.24
L-index

#	Paper	IF	Citations
244	Investigating the Components of Virtual Emergency Department.. <i>Studies in Health Technology and Informatics</i> , 2022 , 291, 118-130	0.5	
243	KP01 Solved by an n-Dimensional Sampling and Clustering Heuristic. <i>Lecture Notes in Computer Science</i> , 2022 , 229-236	0.9	
242	Analysis of parallel application checkpoint storage for system configuration. <i>Journal of Supercomputing</i> , 2021 , 77, 4582-4617	2.5	1
241	Middleware to Manage Fault Tolerance Using Semi-Coordinated Checkpoints. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 254-268	3.7	
240	Improving Analysis in SPMD Applications for Performance Prediction. <i>Transactions on Computational Science and Computational Intelligence</i> , 2021 , 387-404	0.9	
239	A Method for Projections of the Emergency Department Behaviour by Non-Communicable Diseases From 2019 to 2039. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2490-2498	7.2	1
238	An Intelligent Scheduling of Non-Critical Patients Admission for Emergency Department. <i>IEEE Access</i> , 2020 , 8, 9209-9220	3.5	1
237	Analysis of Checkpoint I/O Behavior. <i>Lecture Notes in Computer Science</i> , 2020 , 191-205	0.9	2
236	Soft errors detection and automatic recovery based on replication combined with different levels of checkpointing. <i>Future Generation Computer Systems</i> , 2020 , 113, 240-254	7.5	1
235	Investigating Impacts of Telemedicine on Emergency Department Through Decreasing Non-Urgent Patients in Spain. <i>IEEE Access</i> , 2020 , 8, 164238-164245	3.5	1
234	Prediction of Energy Consumption by Checkpoint/Restart in HPC. <i>IEEE Access</i> , 2019 , 7, 71791-71803	3.5	1
233	Heap-Based Algorithms to Accelerate Fingerprint Matching on Parallel Platforms. <i>Communications in Computer and Information Science</i> , 2019 , 61-72	0.3	
232	Benchmark Based on Application Signature to Analyze and Predict Their Behavior. <i>Communications in Computer and Information Science</i> , 2019 , 28-40	0.3	
231	Analyzing the data behavior of parallel application for extracting performance knowledge. 2019 ,		1
230	P3S: A Methodology to Analyze and Predict Application Scalability. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018 , 29, 642-658	3.7	4
229	RADIC Based Fault Tolerance System with Dynamic Resource Controller. <i>Lecture Notes in Computer Science</i> , 2018 , 624-631	0.9	
228	Agile Tuning Method in Successive Steps for a River Flow Simulator. <i>Lecture Notes in Computer Science</i> , 2018 , 639-646	0.9	

227	An Approach for Efficient Execution of SPMD Applications on Multicore Clusters 2017 , 431-450		
226	Hybrid Message Pessimistic Logging. Improving current pessimistic message logging protocols. <i>Journal of Parallel and Distributed Computing</i> , 2017 , 104, 206-222	4.4	11
225	An agent-based model for quantitatively analyzing and predicting the complex behavior of emergency departments. <i>Journal of Computational Science</i> , 2017 , 21, 11-23	3.4	17
224	A simulation and optimization based method for calibrating agent-based emergency department models under data scarcity. <i>Computers and Industrial Engineering</i> , 2017 , 103, 300-309	6.4	35
223	Improving the Network of Search Engine Services Through Application-Driven Routing. <i>Lecture Notes in Computer Science</i> , 2017 , 638-650	0.9	
222	Analyzing the Parallel I/O Severity of MPI Applications 2017 ,		3
221	Virtual Clinical Trials: A tool for the Study of Transmission of Nosocomial Infections. <i>Procedia Computer Science</i> , 2017 , 108, 109-118	1.6	
220	Support managing population aging stress of emergency departments in a computational way. <i>Procedia Computer Science</i> , 2017 , 108, 149-158	1.6	4
219	Simulating a Search Engine Service focusing on Network Performance. <i>Procedia Computer Science</i> , 2017 , 108, 79-88	1.6	1
218	An approach for an efficient execution of SPMD applications on Multi-core environments. <i>Future Generation Computer Systems</i> , 2017 , 66, 11-26	7.5	3
217	Care HPS: A high performance simulation tool for parallel and distributed agent-based modeling. <i>Future Generation Computer Systems</i> , 2017 , 68, 59-73	7.5	8
216	Scheduling model for non-critical patients admission into a hospital emergency department 2017 ,		3
215	A Fault Tolerance Manager with Distributed Coordinated Checkpoints for Automatic Recovery 2017 ,		2
214	PIOM-PX: A Framework for Modeling the I/O Behavior of Parallel Scientific Applications. <i>Lecture Notes in Computer Science</i> , 2017 , 160-173	0.9	2
213	Predicting robustness against transient faults of MPI based programs. <i>International Journal of Computational Science and Engineering</i> , 2016 , 12, 155	0.4	2
212	How a Computational Method Can Help to Improve the Quality of River Flood Prediction by Simulation. <i>Progress in IS</i> , 2016 , 337-351	0.9	1
211	Synthetic Signature Program for Performance Scalability. <i>Lecture Notes in Computer Science</i> , 2016 , 345-355		
210	Crowd Turbulence with ABM and Verlet Integration on GPU Cards. <i>Procedia Computer Science</i> , 2016 , 80, 2428-2432	1.6	

209	Agent Based Model and Simulation of MRSA Transmission in Emergency Departments. <i>Procedia Computer Science</i> , 2015 , 51, 443-452	1.6	5
208	Strip Partitioning for Ant Colony Parallel and Distributed Discrete-event Simulation. <i>Procedia Computer Science</i> , 2015 , 51, 483-492	1.6	3
207	Quantitative Evaluation of Decision Effects in the Management of Emergency Department Problems. <i>Procedia Computer Science</i> , 2015 , 51, 433-442	1.6	11
206	Fault tolerance at system level based on RADIC architecture. <i>Journal of Parallel and Distributed Computing</i> , 2015 , 86, 98-111	4.4	6
205	Simulating the micro-level behavior of emergency department for macro-level features prediction 2015 ,		6
204	2015 ,		1
203	Crowd Evacuations SaaS: An ABM Approach. <i>Procedia Computer Science</i> , 2015 , 51, 473-482	1.6	8
202	Parallel Application Signature for Performance Analysis and Prediction. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 2009-2019	3.7	25
201	Defining Asymptotic Parallel Time Complexity of Data-dependent Algorithms. <i>New Generation Computing</i> , 2014 , 32, 123-144	0.9	
200	Computing, a Powerful Tool for Improving the Parameters Simulation Quality in Flood Prediction. <i>Procedia Computer Science</i> , 2014 , 29, 299-309	1.6	3
199	Individual-oriented Model Crowd Evacuations Distributed Simulation. <i>Procedia Computer Science</i> , 2014 , 29, 1600-1609	1.6	14
198	A Hybrid MPI+OpenMP Solution of the Distributed Cluster-based Fish Schooling Simulator. <i>Procedia Computer Science</i> , 2014 , 29, 2111-2120	1.6	2
197	Optimal Run Length for Discrete-event Distributed Cluster-based Simulations. <i>Procedia Computer Science</i> , 2014 , 29, 73-83	1.6	2
196	Hybrid Message Logging. Combining advantages of Sender-based and Receiver-based Approaches. <i>Procedia Computer Science</i> , 2014 , 29, 2380-2390	1.6	2
195	Simulation and Big Data: A Way to Discover Unusual Knowledge in Emergency Departments: Work-in-Progress Paper 2014 ,		6
194	Evacuation Simulation Supporting High Level Behaviour-based Agents. <i>Procedia Computer Science</i> , 2013 , 18, 1495-1504	1.6	11
193	Using an Agent-based Simulation for Predicting the Effects of Patients Derivation Policies in Emergency Departments. <i>Procedia Computer Science</i> , 2013 , 18, 641-650	1.6	21
192	A Tool for Selecting the Right Target Machine for Parallel Scientific Applications. <i>Procedia Computer Science</i> , 2013 , 18, 1824-1833	1.6	5

191	Predictive and Distributed Routing Balancing, an Application-Aware Approach. <i>Procedia Computer Science</i> , 2013 , 18, 179-188	1.6	1
190	Improving Communication Patterns for Distributed Cluster-based Individual-oriented Fish School Simulations. <i>Procedia Computer Science</i> , 2013 , 18, 702-711	1.6	4
189	Tuning SPMD Applications in Order to Increase Performability 2013 ,		1
188	An Innovative Teaching Strategy to Understand High-Performance Systems through Performance Evaluation. <i>Procedia Computer Science</i> , 2012 , 9, 1733-1742	1.6	5
187	Simulation Optimization for Healthcare Emergency Departments. <i>Procedia Computer Science</i> , 2012 , 9, 1464-1473	1.6	48
186	Proximity Load Balancing for Distributed Cluster-based Individual-oriented Fish School Simulations. <i>Procedia Computer Science</i> , 2012 , 9, 328-337	1.6	9
185	Modeling Parallel Scientific Applications through their Input/Output Phases 2012 ,		5
184	Optimization of emergency departments by agent-based modeling and simulation 2012 ,		4
183	A decision support system for hospital emergency departments designed using agent-based modeling and simulation 2012 ,		2
182	A Hybrid Simulation Model to Test Behaviour Designs in an Emergency Evacuation. <i>Procedia Computer Science</i> , 2012 , 9, 266-275	1.6	16
181	A methodology for transparent knowledge specification in a dynamic tuning environment. <i>Software - Practice and Experience</i> , 2012 , 42, 281-302	2.5	
180	Transparent fault tolerance middleware at user level 2012 ,		3
179	ABMS optimization for emergency departments 2012 ,		12
178	PAS2P Tool, Parallel Application Signature for Performance Prediction. <i>Lecture Notes in Computer Science</i> , 2012 , 293-302	0.9	2
177	A Fault-Tolerant Cache Service for Web Search Engines: RADIC Evaluation. <i>Lecture Notes in Computer Science</i> , 2012 , 298-310	0.9	
176	A Decision Support System for Hospital Emergency Departments Built Using Agent-Based Techniques. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 247-253		
175	Optimization of Healthcare Emergency Departments by Agent-Based Simulation. <i>Procedia Computer Science</i> , 2011 , 4, 1880-1889	1.6	54
174	Impact of parallel programming models and CPUs clock frequency on energy consumption of HPC systems 2011 ,		8

173	Methodology for Performance Evaluation of the Input/Output System on Computer Clusters 2011 ,		3
172	What is Missing in Current Checkpoint Interval Models? 2011 ,		3
171	Predictive and Distributed Routing Balancing for High Speed Interconnection Networks 2011 ,		1
170	High performance distributed cluster-based individual-oriented fish school simulation. <i>Procedia Computer Science</i> , 2011 , 4, 76-85	1.6	10
169	An Agent-Based Decision Support System for Hospitals Emergency Departments. <i>Procedia Computer Science</i> , 2011 , 4, 1870-1879	1.6	50
168	Predicting parallel applications performance using signatures: The workload effect 2011 ,		1
167	Analytical Performance Prediction for Iterative Reconstruction Techniques in Electron Tomography of Biological Structures. <i>International Journal of High Performance Computing Applications</i> , 2010 , 24, 457-468	1.8	4
166	A reconfigurable cache memory with heterogeneous banks 2010 ,		6
165	Extraction of Parallel Application Signatures for Performance Prediction 2010 ,		8
164	Methodology for Efficient Execution of SPMD Applications on Multicore Environments 2010 ,		1
163	A Performance Tuning Strategy for Complex Parallel Application 2010 ,		4
162	Deadlock Avoidance for Interconnection Networks with Multiple Dynamic Faults 2010 ,		1
161	FT-DRB: A Method for Tolerating Dynamic Faults in High-Speed Interconnection Networks 2010 ,		1
160	High performance individual-oriented simulation using complex models. <i>Procedia Computer Science</i> , 2010 , 1, 447-456	1.6	4
159	Learning parallel programming: a challenge for university students. <i>Procedia Computer Science</i> , 2010 , 1, 875-883	1.6	8
158	A tool for efficient execution of SPMD applications on multicore clusters. <i>Procedia Computer Science</i> , 2010 , 1, 2599-2608	1.6	1
157	Active learning processes to study memory hierarchy on Multicore systems. <i>Procedia Computer Science</i> , 2010 , 1, 921-930	1.6	1
156	Selection methods for interactive creation and management of objects in 3D immersive environments. <i>Procedia Computer Science</i> , 2010 , 1, 2609-2617	1.6	5

155	Wildland fire growth prediction method based on Multiple Overlapping Solution. <i>Journal of Computational Science</i> , 2010 , 1, 229-237	3.4	29
154	Scalable dynamic Monitoring, Analysis and Tuning Environment for parallel applications. <i>Journal of Parallel and Distributed Computing</i> , 2010 , 70, 330-337	4.4	9
153	Designing an effective P2P system for a VoD system to exploit the multicast communication. <i>Journal of Parallel and Distributed Computing</i> , 2010 , 70, 1175-1192	4.4	5
152	Increasing the availability provided by RADIC with low overhead 2009 ,		1
151	AMTHA: An Algorithm for Automatically Mapping Tasks to Processors in Heterogeneous Multiprocessor Architectures 2009 ,		3
150	Task distribution using factoring load balancing in Master-Worker applications. <i>Information Processing Letters</i> , 2009 , 109, 902-906	0.8	1
149	Towards an Agent-Based Simulation of Hospital Emergency Departments 2009 ,		21
148	Dynamic and Distributed Multipath Routing Policy for High-Speed Cluster Networks 2009 ,		7
147	Parallel application signature 2009 ,		6
146	2009 ,		4
145	Fast-Response Dynamic Routing Balancing for high-speed interconnection networks 2009 ,		1
144	A Fuzzy Logic Fish School Model. <i>Lecture Notes in Computer Science</i> , 2009 , 13-22	0.9	6
143	Teaching Model for Computational Science and Engineering Programme. <i>Lecture Notes in Computer Science</i> , 2009 , 34-43	0.9	2
142	Challenges and Issues of the Integration of RADIC into Open MPI. <i>Lecture Notes in Computer Science</i> , 2009 , 73-83	0.9	3
141	A Multipath Fault-Tolerant Routing Method for High-Speed Interconnection Networks. <i>Lecture Notes in Computer Science</i> , 2009 , 1078-1088	0.9	2
140	Dynamic on Demand Virtual Clusters in Grid. <i>Lecture Notes in Computer Science</i> , 2009 , 13-22	0.9	
139	An Adaptive System for Forest Fire Behavior Prediction 2008 ,		7
138	Performance models for dynamic tuning of parallel applications on Computational Grids 2008 ,		3

137	Increasing the Performability of Computer Clusters Using RADIC II 2008 ,		1
136	Software probes: towards a quick method for machine characterization and application performance prediction 2008 ,		7
135	A General Approach to Predict the Performance Order of TSP Family Problems 2008 , 97-108		
134	Performance Model for Parallel Mathematical Libraries Based on Historical Knowledgebase. <i>Lecture Notes in Computer Science</i> , 2008 , 110-119	0.9	1
133	Providing Non-stop Service for Message-Passing Based Parallel Applications with RADIC. <i>Lecture Notes in Computer Science</i> , 2008 , 58-67	0.9	4
132	Applying a Dynamic Data Driven Genetic Algorithm to Improve Forest Fire Spread Prediction. <i>Lecture Notes in Computer Science</i> , 2008 , 36-45	0.9	21
131	Increasing the Scalability and the Speedup of a Fish School Simulator. <i>Lecture Notes in Computer Science</i> , 2008 , 936-949	0.9	3
130	Adaptive L2 Cache for Chip Multiprocessors. <i>Lecture Notes in Computer Science</i> , 2008 , 28-37	0.9	1
129	Dynamic Pipeline Mapping (DPM). <i>Lecture Notes in Computer Science</i> , 2008 , 295-304	0.9	5
128	On-Line Performance Modeling for MPI Applications. <i>Lecture Notes in Computer Science</i> , 2008 , 68-77	0.9	5
127	MATE: Monitoring, Analysis and Tuning Environment for parallel/distributed applications. <i>Concurrency Computation Practice and Experience</i> , 2007 , 19, 1517-1531	1.4	17
126	Design and implementation of a dynamic tuning environment. <i>Journal of Parallel and Distributed Computing</i> , 2007 , 67, 474-490	4.4	22
125	The Convergence of Realistic Distributed Load-Balancing Algorithms. <i>Theory of Computing Systems</i> , 2007 , 41, 609-618	0.6	9
124	Cooperating CoScheduling: A Coscheduling Proposal Aimed at Non-Dedicated Heterogeneous NOWs. <i>Journal of Computer Science and Technology</i> , 2007 , 22, 695-710	1.7	3
123	A Computational Approach to TSP Performance Prediction Using Data Mining 2007 ,		1
122	Automatic Tuning in Computational Grids 2007 , 381-389		1
121	Automatic Generation of Dynamic Tuning Techniques. <i>Lecture Notes in Computer Science</i> , 2007 , 13-22	0.9	4
120	Multi-Collaboration Domain Multicast P2P Delivery Architecture for VoD System 2006 ,		2

119	Evaluation of the field-programmable cache 2006,		5
118	Designing a Video-on-Demand System for a Brazilian High Speed Network 2006,		5
117	Increasing the cluster availability using RADIC 2006,		7
116	Using Simulation, Historical and Hybrid Estimation Systems for Enhancing Job Scheduling on NOWs 2006,		1
115	DVoDP/sup 2/P: distributed P2P assisted multicast VoD architecture 2006,		1
114	Improving forest-fire prediction by applying a statistical approach. <i>Forest Ecology and Management,</i> 2006, 234, S210	3.9	3
113	Modeling Master/Worker applications for automatic performance tuning. <i>Parallel Computing,</i> 2006, 32, 568-589	1	29
112	Between classical and ideal: enhancing wildland fire prediction using cluster computing. <i>Cluster Computing,</i> 2006, 9, 329-343	2.1	3
111	Providing VCR in a Distributed Client Collaborative Multicast Video Delivery Scheme. <i>Lecture Notes in Computer Science,</i> 2006, 777-787	0.9	
110	Using On-the-Fly Simulation for Estimating the Turnaround Time on Non-dedicated Clusters. <i>Lecture Notes in Computer Science,</i> 2006, 177-187	0.9	3
109	Tuning Application in a Multi-cluster Environment. <i>Lecture Notes in Computer Science,</i> 2006, 78-88	0.9	3
108	Search of Performance Inefficiencies in Message Passing Applications with KappaPI 2 Tool 2006, 409-419		2
107	Efficient Execution of Scientific Computation on Geographically Distributed Clusters. <i>Lecture Notes in Computer Science,</i> 2006, 691-698	0.9	2
106	Improved Prediction Methods for Wildfires Using High Performance Computing: A Comparison. <i>Lecture Notes in Computer Science,</i> 2006, 539-546	0.9	5
105	A Reconfigurable Data Cache for Adaptive Processors. <i>Lecture Notes in Computer Science,</i> 2006, 230-242	0.9	4
104	Exploiting Throughput for Pipeline Execution in Streaming Image Processing Applications. <i>Lecture Notes in Computer Science,</i> 2006, 1095-1105	0.9	3
103	An Intelligent Management of Fault Tolerance in Cluster Using RADICMPI. <i>Lecture Notes in Computer Science,</i> 2006, 150-157	0.9	7
102	Optimizing Latency under Throughput Requirements for Streaming Applications on Cluster Execution 2005,		8

101	S2F2M: A Statistical System for Forest Fire Management. <i>Lecture Notes in Computer Science</i> , 2005 , 427-434	0.9	2
100	Automatic Tuning of Data Distribution Using Factoring in Master/Worker Applications. <i>Lecture Notes in Computer Science</i> , 2005 , 132-139	0.9	3
99	Is evolution or revolution the way for improving the teaching methodology in computer science?. <i>SIGCSE Bulletin</i> , 2005 , 37, 2-2	0	
98	Enhancing wildland fire prediction on cluster systems applying evolutionary optimization techniques. <i>Future Generation Computer Systems</i> , 2005 , 21, 61-67	7.5	30
97	A Performance Prediction Model for Tomographic Reconstruction in Structural Biology. <i>Lecture Notes in Computer Science</i> , 2005 , 90-103	0.9	1
96	Performance and Power Evaluation of an Intelligently Adaptive Data Cache. <i>Lecture Notes in Computer Science</i> , 2005 , 363-375	0.9	2
95	Dynamic Distributed Collaborative Merging Policy to Optimize the Multicasting Delivery Scheme. <i>Lecture Notes in Computer Science</i> , 2005 , 879-889	0.9	5
94	Automatic Performance Analysis of Message Passing Applications Using the KappaPI 2 Tool. <i>Lecture Notes in Computer Science</i> , 2005 , 293-300	0.9	3
93	Target Encoding for Efficient Indirect Jump Prediction. <i>Lecture Notes in Computer Science</i> , 2005 , 497-507	0.9	0
92	Modeling Pipeline Applications in POETRIES. <i>Lecture Notes in Computer Science</i> , 2005 , 83-92	0.9	2
91	Automatic Tuning of Master/Worker Applications. <i>Lecture Notes in Computer Science</i> , 2005 , 95-103	0.9	5
90	CISNE: A New Integral Approach for Scheduling Parallel Applications on Non-dedicated Clusters. <i>Lecture Notes in Computer Science</i> , 2005 , 220-230	0.9	7
89	A Space and Time Sharing Scheduling Approach for PVM Non-dedicated Clusters. <i>Lecture Notes in Computer Science</i> , 2005 , 379-387	0.9	2
88	Simulation of Ecologic Systems Using MPI. <i>Lecture Notes in Computer Science</i> , 2005 , 449-456	0.9	1
87	Performance prediction using an application-oriented mapping tool 2004 ,		6
86	Modeling Clustered Task Graphs for Scheduling Large Parallel Programs in Distributed Systems. <i>Simulation</i> , 2004 , 80, 243-254	1.2	
85	Efficient resource management applied to master/worker applications. <i>Journal of Parallel and Distributed Computing</i> , 2004 , 64, 767-773	4.4	3
84	Accelerating Wildland Fire Prediction on Cluster Systems. <i>Lecture Notes in Computer Science</i> , 2004 , 220-227		

83	Supporting Caching and Mirroring in Distributed Video-on-Demand Architectures. <i>Lecture Notes in Computer Science</i> , 2004 , 792-798	0.9	
82	A Pipeline-Based Approach for Mapping Message-Passing Applications with an Input Data Stream. <i>Lecture Notes in Computer Science</i> , 2004 , 224-233	0.9	
81	Accelerating Optimization of Input Parameters in Wildland Fire Simulation. <i>Lecture Notes in Computer Science</i> , 2004 , 1067-1074	0.9	3
80	Efficient Execution on Long-Distance Geographically Distributed Dedicated Clusters. <i>Lecture Notes in Computer Science</i> , 2004 , 311-318	0.9	2
79	Graduate students learning strategies through research collaboration. <i>SIGCSE Bulletin</i> , 2004 , 36, 262-262		
78	Fish Schools: PDES Simulation and Real Time 3D Animation. <i>Lecture Notes in Computer Science</i> , 2004 , 505-512	0.9	2
77	MATE: Dynamic Performance Tuning Environment. <i>Lecture Notes in Computer Science</i> , 2004 , 98-107	0.9	10
76	Coscheduling and Multiprogramming Level in a Non-dedicated Cluster. <i>Lecture Notes in Computer Science</i> , 2004 , 327-336	0.9	7
75	IMPROVING BANDWIDTH EFFICIENCY IN DISTRIBUTED VIDEO-ON-DEMAND ARCHITECTURES. <i>Parallel Processing Letters</i> , 2003 , 13, 589-600	0.3	3
74	AUTOMATIC PERFORMANCE ANALYSIS AND DYNAMIC TUNING OF DISTRIBUTED APPLICATIONS. <i>Parallel Processing Letters</i> , 2003 , 13, 169-187	0.3	6
73	Predicting the Best Mapping for Efficient Exploitation of Task and Data Parallelism. <i>Lecture Notes in Computer Science</i> , 2003 , 218-223	0.9	2
72	POETRIES: Performance Oriented Environment for Transparent Resource-Management, Implementing End-User Parallel/Distributed Applications. <i>Lecture Notes in Computer Science</i> , 2003 , 141-148	0.9	1
71	Cooperating Coscheduling in a Non-dedicated Cluster. <i>Lecture Notes in Computer Science</i> , 2003 , 212-217	0.9	4
70	Exploiting Traffic Balancing and Multicast Efficiency in Distributed Video-on-Demand Architectures. <i>Lecture Notes in Computer Science</i> , 2003 , 859-869	0.9	
69	Clustering and reassignment-based mapping strategy for message-passing architectures. <i>Journal of Systems Architecture</i> , 2003 , 48, 267-283	5.5	8
68	Providing interactive video on demand services in distributed architecture 2003 ,		1
67	Optimizing a Decoupled Front-End Architecture: The Indexed Fetch Target Buffer (iFTB). <i>Lecture Notes in Computer Science</i> , 2003 , 566-575	0.9	1
66	Multiprogramming Level of PVM Jobs in a Non-dedicated Linux NOW. <i>Lecture Notes in Computer Science</i> , 2003 , 577-585	0.9	1

65	Applying Load Balancing in Data Parallel Applications Using DASUD. <i>Lecture Notes in Computer Science</i> , 2003 , 237-241	0.9	2
64	Improving Wildland Fire Prediction on MPI Clusters. <i>Lecture Notes in Computer Science</i> , 2003 , 520-528	0.9	2
63	Minimizing Paging Tradeoffs Applying Coscheduling Techniques in a Linux Cluster. <i>Lecture Notes in Computer Science</i> , 2003 , 593-607	0.9	1
62	Dynamic Performance Tuning of Distributed Programming Libraries. <i>Lecture Notes in Computer Science</i> , 2003 , 191-200	0.9	4
61	Dynamic Performance Tuning Supported by Program Specification. <i>Scientific Programming</i> , 2002 , 10, 35-44	1.4	5
60	An asynchronous and iterative load balancing algorithm for discrete load model. <i>Journal of Parallel and Distributed Computing</i> , 2002 , 62, 1729-1746	4.4	22
59	The KScalar simulator. <i>Journal on Educational Resources in Computing</i> , 2002 , 2, 73-116		7
58	Parasite: Distributing Processing Using Java Applets. <i>Lecture Notes in Computer Science</i> , 2002 , 598-602	0.9	
57	Speeding Up Target Address Generation Using a Self-indexed FTB. <i>Lecture Notes in Computer Science</i> , 2002 , 517-521	0.9	1
56	Architectures for an Efficient Application Execution in a Collection of HNOWS. <i>Lecture Notes in Computer Science</i> , 2002 , 450-460	0.9	3
55	Adjusting Time Slices to Apply Coscheduling Techniques in a Non-dedicated NOW. <i>Lecture Notes in Computer Science</i> , 2002 , 234-239	0.9	2
54	Adjusting the Lengths of Time Slices when Scheduling PVM Jobs with High Memory Requirements. <i>Lecture Notes in Computer Science</i> , 2002 , 156-164	0.9	1
53	Web Remote Services Oriented Architecture for Cluster Management. <i>Lecture Notes in Computer Science</i> , 2002 , 368-375	0.9	1
52	Double P-Tree: A Distributed Architecture for Large-Scale Video-on-Demand. <i>Lecture Notes in Computer Science</i> , 2002 , 816-825	0.9	4
51	Optimization of Fire Propagation Model Inputs: A Grand Challenge Application on Metacomputers. <i>Lecture Notes in Computer Science</i> , 2002 , 447-451	0.9	3
50	Using PDES to Simulate Individual-Oriented Models in Ecology: A Case Study. <i>Lecture Notes in Computer Science</i> , 2002 , 107-116	0.9	8
49	Evolutionary Optimization Techniques on Computational Grids. <i>Lecture Notes in Computer Science</i> , 2002 , 513-522	0.9	8
48	Efficient Mapping for Message-Passing Applications Using the TTIG Model: A Case Study in Image Processing. <i>Lecture Notes in Computer Science</i> , 2001 , 370-377	0.9	

47	Implementing and Analysing an Effective Explicit Coscheduling Algorithm on a NOW. <i>Lecture Notes in Computer Science, 2001, 75-88</i>	0.9	0
46	Simulation of Forest Fire Propagation on Parallel & Distributed PVM Platforms. <i>Lecture Notes in Computer Science, 2001, 386-392</i>	0.9	1
45	PDES: A Case Study Using the Switch Time Warp. <i>Lecture Notes in Computer Science, 2001, 327-334</i>	0.9	
44	Predictive Coscheduling Implementation in a Non-dedicated Linux Cluster. <i>Lecture Notes in Computer Science, 2001, 732-742</i>	0.9	4
43	Dynamic Performance Tuning Environment. <i>Lecture Notes in Computer Science, 2001, 36-45</i>	0.9	3
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