Ignacio Martin Llorente

List of Publications by Year
in descending order

52 papers	3,150 citations	394421 19 h-index	276875 41 g-index
52 all docs	52 docs citations	52 times ranked	2286 citing authors

#	Article	IF	Citations
1	Orchestrating the Deployment of High Availability Services on Multi-zone and Multi-cloud Scenarios. Journal of Grid Computing, 2018, 16, 39-53.	3.9	23
2	Cross-Site Virtual Network in Cloud and Fog Computing. IEEE Cloud Computing, 2017, 4, 46-53.	3.9	48
3	Extending the Cloud to the Network Edge. Computer, 2017, 50, 91-95.	1.1	30
4	A High-Availability Cloud for Research Computing. Computer, 2017, 50, 92-95.	1.1	5
5	Implementation and Provisioning of Federated Networks in Hybrid Clouds. Journal of Grid Computing, 2017, 15, 141-160.	3.9	11
6	Interoperable Federated Cloud Networking. IEEE Internet Computing, 2017, 21, 54-59.	3.3	9
7	SaaS enabled admission control for MCMC simulation in cloud computing infrastructures. Computer Physics Communications, 2017, 211, 88-97.	7.5	15
8	Cost optimization of virtual infrastructures in dynamic multiâ€cloudâ€‰scenarios. Concurrency Computation Practice and Experience, 2015, 27, 2260-2277.	2.2	23
9	A Cloud for Clouds: Weather Research and Forecasting on a Public Cloud Infrastructure. Communications in Computer and Information Science, 2015, , 3-11.	0.5	2
10	Interoperating grid infrastructures with the GridWay metascheduler. Concurrency Computation Practice and Experience, 2015, 27, 2278-2290.	2.2	5
11	A Model to Calculate Amazon EC2 Instance Performance in Frost Prediction Applications. Communications in Computer and Information Science, 2014, , 68-82.	0.5	1
12	Solidifying the foundations of the cloud for the next generation Software Engineering. Journal of Systems and Software, 2013, 86, 2321-2326.	4.5	2
13	Scheduling strategies for optimal service deployment across multiple clouds. Future Generation Computer Systems, 2013, 29, 1431-1441.	7.5	133
14	Simulations of fast ions distribution in stellarators based on coupled Monte Carlo fuelling and orbit codes. Plasma Physics and Controlled Fusion, 2013, 55, 085014.	2.1	3
15	Opportunities to observe solar eclipses by Phobos with the Mars Science Laboratory. Monthly Notices of the Royal Astronomical Society, 2012, 426, 3195-3200.	4.4	1
16	iCanCloud: A Flexible and Scalable Cloud Infrastructure Simulator. Journal of Grid Computing, 2012, 10, 185-209.	3.9	236
17	Cloud brokering mechanisms for optimized placement of virtual machines across multiple providers. Future Generation Computer Systems, 2012, 28, 358-367.	7.5	283
18	More Efficient Executions of Monte Carlo Fusion Codes by Means of Montera: The ISDEP Use Case. , 2011, , .		5

#	Article	IF	Citations
19	Spatial chronogram to detect Phobos eclipses on Mars with the MetNet Precursor Lander. Planetary and Space Science, 2011, 59, 1542-1550.	1.7	8
20	Elastic management of web server clusters on distributed virtual infrastructures. Concurrency Computation Practice and Experience, 2011, 23, 1474-1490.	2.2	7
21	The Grid[Way] Job Template Manager, a tool for parameter sweeping. Computer Physics Communications, 2011, 182, 1047-1060.	7.5	3
22	On the use of clouds for grid resource provisioning. Future Generation Computer Systems, 2011, 27, 600-605.	7.5	35
23	An elasticity model for High Throughput Computing clusters. Journal of Parallel and Distributed Computing, 2011, 71, 750-757.	4.1	53
24	Multicloud Deployment of Computing Clusters for Loosely Coupled MTC Applications. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 924-930.	5.6	72
25	Performanceâ€based scheduling strategies for HTC applications in complex federated grids. Concurrency Computation Practice and Experience, 2010, 22, 1416-1432.	2.2	4
26	Data location-aware job scheduling in the grid. Application to the GridWay metascheduler. Journal of Physics: Conference Series, 2010, 219, 062043.	0.4	6
27	From infrastructure delivery to service management in clouds. Future Generation Computer Systems, 2010, 26, 1226-1240.	7.5	173
28	Federation of TeraGrid, EGEE and OSG infrastructures through a metascheduler. Future Generation Computer Systems, 2010, 26, 979-985.	7.5	11
29	End-To-End Cache System for Grid Computing: Design and Efficiency Analysis of a High-Throughput Bioinformatic Docking Application. International Journal of High Performance Computing Applications, 2010, 24, 243-264.	3.7	1
30	A Grid Version of the Fusion Code FAFNER. , 2010, , .		0
31	Improvements on the Fusion Code FAFNER2. IEEE Transactions on Plasma Science, 2010, 38, 2102-2110.	1.3	8
32	A recursive architecture for hierarchical grid resource management. Future Generation Computer Systems, 2009, 25, 401-405.	7.5	24
33	A decentralized model for scheduling independent tasks in Federated Grids. Future Generation Computer Systems, 2009, 25, 840-852.	7.5	61
34	The Reservoir model and architecture for open federated cloud computing. IBM Journal of Research and Development, 2009, 53, 4:1-4:11.	3.1	570
35	Virtual Infrastructure Management in Private and Hybrid Clouds. IEEE Internet Computing, 2009, 13, 14-22.	3.3	715
36	Resource Leasing and the Art of Suspending Virtual Machines. , 2009, , .		92

#	Article	IF	Citations
37	Dynamic Provision of Computing Resources from Grid Infrastructures and Cloud Providers. , 2009, , .		25
38	Dynamic Deployment of Custom Execution Environments in Grids. , 2008, , .		14
39	A Performance Model for Federated Grid Infrastructures. , 2008, , .		7
40	CD-HIT Workflow Execution on Grids Using Replication Heuristics. , 2008, , .		1
41	Integration of GRID Superscalar and GridWay Metascheduler with the DRMAA OGF Standard. Lecture Notes in Computer Science, 2008, , 445-455.	1.3	4
42	A modular meta-scheduling architecture for interfacing with pre-WS and WS Grid resource management services. Future Generation Computer Systems, 2007, 23, 252-261.	7.5	77
43	A Grid Infrastructure for Utility Computing. , 2006, , .		13
44	Benchmarking of high throughput computing applications on Grids. Parallel Computing, 2006, 32, 267-279.	2.1	33
45	Evaluating the reliability of computational grids from the end userâ€™s point of view. Journal of Systems Architecture, 2006, 52, 727-736.	4.3	41
46	Coordinated harnessing of the IRISGrid and EGEE testbeds with GridWay. Journal of Parallel and Distributed Computing, 2006, 66, 763-771.	4.1	14
47	Experiences on adaptive grid scheduling of parameter sweep applications. , 2004, , .		41
48	A framework for adaptive execution in grids. Software - Practice and Experience, 2004, 34, 631-651.	3.6	183
49	A parallel multigrid solver for viscous flows on anisotropic structured grids. Parallel Computing, 2003, 29, 907-923.	2.1	5
50	A Robust Multigrid Algorithm for the Simulation of a Yawed Flat Plate. Journal of Scientific Computing, 2002, 17, 481-490.	2.3	0
51	Some aspects about the scalability of scientific applications on parallel architectures. Parallel Computing, 1996, 22, 1169-1195.	2.1	12
52	Beowulf performance in CFD multigrid applications. , 0, , .		2