

Jordi Guitart

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

2,382
citations

516215

16
h-index

414034

32
g-index

77
all docs

77
docs citations

77
times ranked

1901
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance characterization of containerization for HPC workloads on InfiniBand clusters: an empirical study. <i>Cluster Computing</i> , 2022, 25, 847-868.	3.5	6
2	Scanflow: A multi-graph framework for Machine Learning workflow management, supervision, and debugging. <i>Expert Systems With Applications</i> , 2022, 202, 117232.	4.4	4
3	Performance comparison of multi-container deployment schemes for HPC workloads: an empirical study. <i>Journal of Supercomputing</i> , 2021, 77, 6273-6312.	2.4	11
4	Big data deployment in containerized infrastructures through the interconnection of network namespaces. <i>Software - Practice and Experience</i> , 2020, 50, 1087-1113.	2.5	2
5	Energy-Aware Dynamic Pricing Model for Cloud Environments. <i>Lecture Notes in Computer Science</i> , 2019, , 71-80.	1.0	1
6	Toward sustainable data centers: a comprehensive energy management strategy. <i>Computing (Vienna/New York)</i> , 2017, 99, 597-615.	3.2	21
7	PaaS-IaaS Inter-Layer Adaptation in an Energy-Aware Cloud Environment. <i>IEEE Transactions on Sustainable Computing</i> , 2017, 2, 127-139.	2.2	19
8	Energy Efficiency Support Through Intra-layer Cloud Stack Adaptation. <i>Lecture Notes in Computer Science</i> , 2017, , 129-143.	1.0	1
9	A Risk Assessment Framework for Cloud Computing. <i>IEEE Transactions on Cloud Computing</i> , 2016, 4, 265-278.	3.1	52
10	Integrated policy management framework for IaaS Cloud middleware. <i>Computing (Vienna/New York)</i> , 2016, 98, 471-494.	3.2	0
11	A methodology for full-system power modeling in heterogeneous data centers. , 2016, , .		7
12	Experimental and numerical analysis for potential heat reuse in liquid cooled data centres. <i>Energy Conversion and Management</i> , 2016, 112, 135-145.	4.4	46
13	Estimation and forecasting of ecological efficiency of virtual machines. <i>Future Generation Computer Systems</i> , 2016, 55, 480-494.	4.9	7
14	Analysis of a trust model for SLA negotiation and enforcement in cloud markets. <i>Future Generation Computer Systems</i> , 2016, 55, 460-472.	4.9	22
15	Matching renewable energy supply and demand in green datacenters. <i>Ad Hoc Networks</i> , 2015, 25, 520-534.	3.4	70
16	Assessing and forecasting energy efficiency on Cloud computing platforms. <i>Future Generation Computer Systems</i> , 2015, 45, 70-94.	4.9	46
17	Methodology for Information Management and Data Assessment in Cloud Environments. <i>International Journal of Grid and High Performance Computing</i> , 2014, 6, 46-71.	0.7	2
18	Business-driven management of infrastructure-level risks in Cloud providers. <i>Future Generation Computer Systems</i> , 2014, 32, 41-53.	4.9	26

#	ARTICLE	IF	CITATIONS
19	SLA negotiation and enforcement policies for revenue maximization and client classification in cloud providers. Future Generation Computer Systems, 2014, 41, 19-31.	4.9	39
20	A Risk-Based Model for Service Level Agreement Differentiation in Cloud Market Providers. Lecture Notes in Computer Science, 2014, , 1-15.	1.0	3
21	A service framework for energy-aware monitoring and VM management in Clouds. Future Generation Computer Systems, 2013, 29, 2077-2091.	4.9	39
22	Risk-Driven Proactive Fault-Tolerant Operation of IaaS Providers. , 2013, , .		4
23	Client Classification Policies for SLA Enforcement in Shared Cloud Datacenters. , 2012, , .		19
24	Economic model of a Cloud provider operating in a federated Cloud. Information Systems Frontiers, 2012, 14, 827-843.	4.1	82
25	GreenHadoop. , 2012, , .		217
26	Cheat-Proof Trust Model for Cloud Computing Markets. Lecture Notes in Computer Science, 2012, , 154-168.	1.0	6
27	Business-driven IT Management for Cloud computing providers. , 2012, , .		4
28	Supporting CPU-based guarantees in cloud SLAs via resource-level QoS metrics. Future Generation Computer Systems, 2012, 28, 1295-1302.	4.9	29
29	On the Anticipation of Resource Demands to Fulfill the QoS of SaaS Web Applications. , 2012, , .		10
30	OPTIMIS: A holistic approach to cloud service provisioning. Future Generation Computer Systems, 2012, 28, 66-77.	4.9	307
31	Energy-efficient and multifaceted resource management for profit-driven virtualized data centers. Future Generation Computer Systems, 2012, 28, 718-731.	4.9	66
32	Client Classification Policies for SLA Negotiation and Allocation in Shared Cloud Datacenters. Lecture Notes in Computer Science, 2012, , 90-104.	1.0	10
33	Initial thoughts on business-driven IT management challenges in Cloud computing providers. , 2011, , .		3
34	GreenSlot. , 2011, , .		195
35	A genetic model for pricing in cloud computing markets. , 2011, , .		51
36	Intelligent Placement of Datacenters for Internet Services. , 2011, , .		97

#	ARTICLE	IF	CITATIONS
37	Optimal Resource Allocation in a Virtualized Software Aging Platform with Software Rejuvenation. , 2011, , .		8
38	Demonstration of the OPTIMIS Toolkit for Cloud Service Provisioning. Lecture Notes in Computer Science, 2011, , 331-333.	1.0	3
39	Exploiting semantics and virtualization for SLA-driven resource allocation in service providers. Concurrency Computation Practice and Experience, 2010, 22, 541-572.	1.4	7
40	Maximizing revenue in Grid markets using an economically enhanced resource manager. Concurrency Computation Practice and Experience, 2010, 22, 1990-2011.	1.4	15
41	A survey on performance management for internet applications. Concurrency Computation Practice and Experience, 2010, 22, 68-106.	1.4	20
42	Toward business-driven risk management for Cloud computing. , 2010, , .		28
43	Characterizing Cloud Federation for Enhancing Providers' Profit. , 2010, , .		132
44	SLA-driven Elastic Cloud Hosting Provider. , 2010, , .		34
45	Multifaceted resource management for dealing with heterogeneous workloads in virtualized data centers. , 2010, , .		11
46	Checkpoint-based fault-tolerant infrastructure for virtualized service providers. , 2010, , .		39
47	Energy-Aware Scheduling in Virtualized Datacenters. , 2010, , .		74
48	Prediction of Job Resource Requirements for Deadline Schedulers to Manage High-Level SLAs on the Cloud. , 2010, , .		36
49	Rule-based SLA management for revenue maximisation in Cloud Computing Markets. , 2010, , .		36
50	Using resource-level information into nonadditive negotiation models for cloud Market environments. , 2010, , .		21
51	Towards energy-aware scheduling in data centers using machine learning. , 2010, , .		169
52	Efficient Data Management Support for Virtualized Service Providers. , 2009, , .		3
53	Introducing Virtual Execution Environments for Application Lifecycle Management and SLA-Driven Resource Distribution within Service Providers. , 2009, , .		11
54	Extended Resource Management Using Client Classification and Economic Enhancements. , 2009, , 129-141.		2

#	ARTICLE	IF	CITATIONS
55	Enforcing Service Level Agreements Using an Economically Enhanced Resource Manager. , 2009, , 109-127.		3
56	Dynamic CPU provisioning for self-managed secure web applications in SMP hosting platforms. Computer Networks, 2008, 52, 1390-1409.	3.2	17
57	Using Semantics for Resource Allocation in Computing Service Providers. , 2008, , .		10
58	SLA-Driven Semantically-Enhanced Dynamic Resource Allocator for Virtualized Service Providers. , 2008, , .		11
59	Tailoring Resources: The Energy Efficient Consolidation Strategy Goes Beyond Virtualization. , 2008, , .		12
60	Differentiated Quality of Service for e-Commerce Applications through Connection Scheduling based on System-Level Thread Priorities. , 2007, , .		7
61	Designing an overload control strategy for secure e-commerce applications. Computer Networks, 2007, 51, 4492-4510.	3.2	15
62	Economically Enhanced Resource Management for Internet Service Utilities. , 2007, , 335-348.		13
63	Experiences with simulations - a light and fast model for secure Web applications. , 2006, , .		1
64	A Hybrid Web Server Architecture for Secure e-Business Web Applications. Lecture Notes in Computer Science, 2005, , 366-377.	1.0	2
65	Performance analysis tools for parallel Java applications on shared-memory systems. , 2001, , .		4
66	Strategies for the efficient exploitation of loop-level parallelism in Java. Concurrency Computation Practice and Experience, 2001, 13, 663-680.	1.4	3
67	Complete instrumentation requirements for performance analysis of Web based technologies. , 0, , .		13
68	Application/kernel cooperation towards the efficient execution of shared-memory parallel Java codes. , 0, , .		1
69	Tuning Dynamic Web Applications using Fine-Grain Analysis. , 0, , .		4
70	Session-Based Adaptive Overload Control for Secure Dynamic Web Applications. , 0, , .		24
71	Characterizing Secure Dynamic Web Applications Scalability. , 0, , .		23
72	EMOTIVE Cloud. , 0, , 44-60.		0