

Jorge Ejarque

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

575
citations

1163117

8
h-index

713466

21
g-index

42
all docs

42
docs citations

42
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic energy-aware scheduling for parallel task-based application in cloud computing. Future Generation Computer Systems, 2018, 78, 257-271.	7.5	160
2	ServiceSs: An Interoperable Programming Framework for the Cloud. Journal of Grid Computing, 2014, 12, 67-91.	3.9	87
3	The impact of non-additive genetic associations on age-related complex diseases. Nature Communications, 2021, 12, 2436.	12.8	55
4	COMP Superscalar, an interoperable programming framework. SoftwareX, 2015, 3-4, 32-36.	2.6	48
5	A Multi-agent Approach for Semantic Resource Allocation. , 2010, , .		25
6	PaaS-IaaS Inter-Layer Adaptation in an Energy-Aware Cloud Environment. IEEE Transactions on Sustainable Computing, 2017, 2, 127-139.	3.1	19
7	Transparent Orchestration of Task-based Parallel Applications in Containers Platforms. Journal of Grid Computing, 2018, 16, 137-160.	3.9	19
8	Enabling dynamic and intelligent workflows for HPC, data analytics, and AI convergence. Future Generation Computer Systems, 2022, 134, 414-429.	7.5	17
9	SLA-Driven Semantically-Enhanced Dynamic Resource Allocator for Virtualized Service Providers. , 2008, , .		11
10	Introducing Virtual Execution Environments for Application Lifecycle Management and SLA-Driven Resource Distribution within Service Providers. , 2009, , .		11
11	Using Semantics for Resource Allocation in Computing Service Providers. , 2008, , .		10
12	A programming model for Hybrid Workflows: Combining task-based workflows and dataflows all-in-one. Future Generation Computer Systems, 2020, 113, 281-297.	7.5	9
13	Heterogeneous Hierarchical Workflow Composition. Computing in Science and Engineering, 2019, 21, 76-86.	1.2	8
14	Exploiting semantics and virtualization for SLA-driven resource allocation in service providers. Concurrency Computation Practice and Experience, 2010, 22, 541-572.	2.2	7
15	A Cloud-unaware Programming Model for Easy Development of Composite Services. , 2011, , .		7
16	Managing Failures in Task-Based Parallel Workflows in Distributed Computing Environments. Lecture Notes in Computer Science, 2020, , 411-425.	1.3	7
17	A Rule-based Approach for Infrastructure Providers' Interoperability. , 2011, , .		6
18	Enabling Python to execute efficiently in heterogeneous distributed infrastructures with PyCOMPSs. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
19	Executing linear algebra kernels in heterogeneous distributed infrastructures with PyCOMPSs. Oil and Gas Science and Technology, 2018, 73, 47.	1.4	6
20	Towards Automatic Application Migration to Clouds. , 2015, , .		5
21	Energy-Aware Programming Model for Distributed Infrastructures. , 2016, , .		5
22	Energy-Aware Self-Adaptation for Application Execution on Heterogeneous Parallel Architectures. IEEE Transactions on Sustainable Computing, 2020, 5, 81-94.	3.1	4
23	A survey on the Distributed Computing stack. Computer Science Review, 2021, 42, 100422.	15.3	4
24	Storage-Heterogeneity Aware Task-based Programming Models to Optimize I/O Intensive Applications. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 3589-3599.	5.6	4
25	An Architecture for Programming Distributed Applications on Fog to Cloud Systems. Lecture Notes in Computer Science, 2018, , 325-337.	1.3	3
26	A hierarchic task-based programming model for distributed heterogeneous computing. International Journal of High Performance Computing Applications, 2019, 33, 987-997.	3.7	3
27	Workflow Environments for Advanced Cyberinfrastructure Platforms. , 2019, , .		3
28	AutoParallel: Automatic parallelisation and distributed execution of affine loop nests in Python. International Journal of High Performance Computing Applications, 2020, 34, 659-675.	3.7	3
29	Accelerated execution via eager-release of dependencies in task-based workflows. International Journal of High Performance Computing Applications, 2021, 35, 325-343.	3.7	3
30	Job Scheduling with License Reservation: A Semantic Approach. , 2011, , .		2
31	Transparent Execution of Task-Based Parallel Applications in Docker with COMP Superscalar. , 2017, , .		2
32	Towards an Energy-Aware Framework for Application Development and Execution in Heterogeneous Parallel Architectures. , 2019, , 129-148.		2
33	Performance Meets Programmability: Enabling Native Python MPI Tasks In PyCOMPSs. , 2020, , .		2
34	Resource Allocation for Cloud Computing. , 0, , 90-112.		2
35	PyCOMPSs as an Instrument for Translational Computer Science. Computing in Science and Engineering, 2022, 24, 79-84.	1.2	2
36	Towards enabling I/O awareness in task-based programming models. Future Generation Computer Systems, 2021, 121, 74-89.	7.5	1

#	ARTICLE	IF	CITATIONS
37	Energy Efficiency Support Through Intra-layer Cloud Stack Adaptation. Lecture Notes in Computer Science, 2017, , 129-143.	1.3	1
38	ASCETiC - Adapting Service lifeCycle towards Efficient Clouds. , 2014, , .		1
39	DDS: integrating data analytics transformations in task-based workflows. Open Research Europe, 0, 2, 66.	2.0	1
40	Enabling System Wide Shared Memory for Performance Improvement in PyCOMPSs Applications. , 2020, , .		0