

# Jose Luis Vazquez-Poletti

## List of Publications by Citations

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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.

42  
papers

479  
citations

10  
h-index

20  
g-index

46  
ext. papers

563  
ext. citations

2.8  
avg, IF

3.7  
L-index

#	Paper	IF	Citations
42	iCanCloud: A Flexible and Scalable Cloud Infrastructure Simulator. <i>Journal of Grid Computing</i> , <b>2012</b> , 10, 185-209	4.2	173
41	Provisioning data analytic workloads in a cloud. <i>Future Generation Computer Systems</i> , <b>2013</b> , 29, 1452-1458	7.5	49
40	A multi-dimensional job scheduling. <i>Future Generation Computer Systems</i> , <b>2016</b> , 54, 123-131	7.5	27
39	A comparison between two grid scheduling philosophies: EGEE WMS and Grid Way1. <i>Multiagent and Grid Systems</i> , <b>2007</b> , 3, 429-439	0.5	20
38	RNA-seq analysis in forest tree species: bioinformatic problems and solutions. <i>Tree Genetics and Genomes</i> , <b>2016</b> , 12, 1	2.1	20
37	Applications of neural-based spot market prediction for cloud computing <b>2013</b> ,		19
36	Design of a New Cloud Computing Simulation Platform. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 582-593	3.9	14
35	Coordinated harnessing of the IRISGrid and EGEE testbeds with GridWay. <i>Journal of Parallel and Distributed Computing</i> , <b>2006</b> , 66, 763-771	4.4	12
34	Autonomic resource contention-aware scheduling. <i>Software - Practice and Experience</i> , <b>2015</b> , 45, 161-175	2.5	11
33	Autonomic management of elastic services in the cloud <b>2011</b> ,		11
32	SaaS enabled admission control for MCMC simulation in cloud computing infrastructures. <i>Computer Physics Communications</i> , <b>2017</b> , 211, 88-97	4.2	10
31	A performance/cost model for a CUDA drug discovery application on physical and public cloud infrastructures. <i>Concurrency Computation Practice and Experience</i> , <b>2014</b> , 26, 1787-1798	1.4	9
30	Challenges and Opportunities of Amazon Serverless Lambda Services in Bioinformatics <b>2019</b> ,		8
29	High performance computing for advanced modeling and simulation of materials. <i>Computer Physics Communications</i> , <b>2017</b> , 211, 1	4.2	7
28	Spatial chronogram to detect Phobos eclipses on Mars with the MetNet Precursor Lander. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 1542-1550	2	7
27	Estimating resource costs of data-intensive workloads in public clouds <b>2012</b> ,		7
26	About Some Possible Implementations of the Fractional Calculus. <i>Mathematics</i> , <b>2020</b> , 8, 893	2.3	6

25	PCS: Predictive Component-Level Scheduling for Reducing Tail Latency in Cloud Online Services <b>2015,</b>		6
24	NGScloud: RNA-seq analysis of non-model species using cloud computing. <i>Bioinformatics</i> , <b>2018</b> , 34, 3405-3407	3.4	5
23	Towards building performance models for data-intensive workloads in public clouds <b>2013,</b>		5
22	A Model for Efficient Onboard Actualization of an Instrumental Cyclogram for the Mars MetNet Mission on a Public Cloud Infrastructure. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 33-42	0.9	5
21	Serverless Computing: From Planet Mars to the Cloud. <i>Computing in Science and Engineering</i> , <b>2018</b> , 20, 73-79	1.5	5
20	SARP <b>2015,</b>		4
19	<b>2017,</b>		4
18	Dynamic Simulation of the Electron Bernstein Wave Heating Under NBI Conditions in TJII Plasmas. <i>Contributions To Plasma Physics</i> , <b>2011</b> , 51, 83-91	1.4	4
17	Workflow management in a protein clustering application <b>2007,</b>		4
16	TOA: A software package for automated functional annotation in non-model plant species. <i>Molecular Ecology Resources</i> , <b>2021</b> , 21, 621-636	8.4	4
15	A Multi-capacity Queuing Mechanism in Multi-dimensional Resource Scheduling. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 9-25	0.9	3
14	Interference-Aware Component Scheduling for Reducing Tail Latency in Cloud Interactive Services <b>2015,</b>		2
13	Solidifying the foundations of the cloud for the next generation Software Engineering. <i>Journal of Systems and Software</i> , <b>2013</b> , 86, 2321-2326	3.3	2
12	A Cloud for Clouds: Weather Research and Forecasting on a Public Cloud Infrastructure. <i>Communications in Computer and Information Science</i> , <b>2015</b> , 3-11	0.3	2
11	POSTER: Performance evaluation of a signal extraction algorithm for the Cherenkov Telescope Array's Real Time Analysis pipeline <b>2014,</b>		2
10	THOR: A Transparent Heterogeneous Open Resource framework <b>2010,</b>		2
9	Hardware Performance Evaluation of De novo Transcriptome Assembly Software in Amazon Elastic Compute Cloud. <i>Current Bioinformatics</i> , <b>2020</b> , 15, 420-430	4.7	2
8	Cost-Effective Resource Configurations for Multi-Tenant Database Systems in Public Clouds. <i>International Journal of Cloud Applications and Computing</i> , <b>2015</b> , 5, 1-22	3.1	2

7	NGScloud2: optimized bioinformatic analysis using Amazon Web Services. <i>PeerJ</i> , <b>2021</b> , 9, e11237	3.1	2
6	Opportunities to observe solar eclipses by Phobos with the Mars Science Laboratory. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 426, 3195-3200	4.3	1
5	CD-HIT Workflow Execution on Grids Using Replication Heuristics <b>2008</b> ,		1
4	Overview of the main radiation transport codes. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , <b>2020</b> , 9, 407-415	1.5	1
3	A Model to Calculate Amazon EC2 Instance Performance in Frost Prediction Applications. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 68-82	0.3	1
2	Performance study of a signal-extraction algorithm using different parallelisation strategies for the Cherenkov Telescope Array's real-time-analysis software. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e4086	1.4	
1	Admission Control in the Cloud. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , <b>2014</b> , 701-717	0.4	