Jose Luis Vazquez-Poletti

List of Publications by Year in Descending Order

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	NGScloud2: optimized bioinformatic analysis using Amazon Web Services. *PeerJ*, **2021**, 9, e11237	3.1	2
41	TOA: A software package for automated functional annotation in non-model plant species. *Molecular Ecology Resources*, **2021**, 21, 621-636	8.4	4
40	About Some Possible Implementations of the Fractional Calculus. *Mathematics*, **2020**, 8, 893	2.3	6
39	Overview of the main radiation transport codes. *Geoscientific Instrumentation, Methods and Data Systems*, **2020**, 9, 407-415	1.5	1
38	Hardware Performance Evaluation of De novo Transcriptome Assembly Software in Amazon Elastic Compute Cloud. *Current Bioinformatics*, **2020**, 15, 420-430	4.7	2
37	Challenges and Opportunities of Amazon Serverless Lambda Services in Bioinformatics **2019**,		8
36	NGScloud: RNA-seq analysis of non-model species using cloud computing. *Bioinformatics*, **2018**, 34, 3405-3407	7.4	5
35	Serverless Computing: From Planet Mars to the Cloud. *Computing in Science and Engineering*, **2018**, 20, 73-79	1.5	5
34	**2017**,		4
33	Performance study of a signal-extraction algorithm using different parallelisation strategies for the Cherenkov Telescope Array's real-time-analysis software. *Concurrency Computation Practice and Experience*, **2017**, 29, e4086	1.4	
32	High performance computing for advanced modeling and simulation of materials. *Computer Physics Communications*, **2017**, 211, 1	4.2	7
31	SaaS enabled admission control for MCMC simulation in cloud computing infrastructures. *Computer Physics Communications*, **2017**, 211, 88-97	4.2	10
30	A multi-dimensional job scheduling. *Future Generation Computer Systems*, **2016**, 54, 123-131	7.5	27
29	RNA-seq analysis in forest tree species: bioinformatic problems and solutions. *Tree Genetics and Genomes*, **2016**, 12, 1	2.1	20
28	SARP **2015**,		4
27	Interference-Aware Component Scheduling for Reducing Tail Latency in Cloud Interactive Services **2015**,		2
26	PCS: Predictive Component-Level Scheduling for Reducing Tail Latency in Cloud Online Services **2015**,		6

25	A Cloud for Clouds: Weather Research and Forecasting on a Public Cloud Infrastructure. *Communications in Computer and Information Science*, **2015**, 3-11	0.3	2
24	Autonomic resource contention-aware scheduling. *Software - Practice and Experience*, **2015**, 45, 161-175	2.5	11
23	Cost-Effective Resource Configurations for Multi-Tenant Database Systems in Public Clouds. *International Journal of Cloud Applications and Computing*, **2015**, 5, 1-22	3.1	2
22	POSTER: Performance evaluation of a signal extraction algorithm for the Cherenkov Telescope Arrayâs Real Time Analysis pipeline **2014**,		2
21	A performance/cost model for a CUDA drug discovery application on physical and public cloud infrastructures. *Concurrency Computation Practice and Experience*, **2014**, 26, 1787-1798	1.4	9
20	A Multi-capacity Queuing Mechanism in Multi-dimensional Resource Scheduling. *Lecture Notes in Computer Science*, **2014**, 9-25	0.9	3
19	A Model to Calculate Amazon EC2 Instance Performance in Frost Prediction Applications. *Communications in Computer and Information Science*, **2014**, 68-82	0.3	1
18	Admission Control in the Cloud. *Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series*, **2014**, 701-717	0.4	
17	Solidifying the foundations of the cloud for the next generation Software Engineering. *Journal of Systems and Software*, **2013**, 86, 2321-2326	3.3	2
16	Provisioning data analytic workloads in a cloud. *Future Generation Computer Systems*, **2013**, 29, 1452-1458	2.5	49
15	Towards building performance models for data-intensive workloads in public clouds **2013**,		5
14	Applications of neural-based spot market prediction for cloud computing **2013**,		19
13	Opportunities to observe solar eclipses by Phobos with the Mars Science Laboratory. *Monthly Notices of the Royal Astronomical Society*, **2012**, 426, 3195-3200	4.3	1
12	iCanCloud: A Flexible and Scalable Cloud Infrastructure Simulator. *Journal of Grid Computing*, **2012**, 10, 185-209	4.2	173
11	Estimating resource costs of data-intensive workloads in public clouds **2012**,		7
10	A Model for Efficient Onboard Actualization of an Instrumental Cyclogram for the Mars MetNet Mission on a Public Cloud Infrastructure. *Lecture Notes in Computer Science*, **2012**, 33-42	0.9	5
9	Spatial chronogram to detect Phobos eclipses on Mars with the MetNet Precursor Lander. *Planetary and Space Science*, **2011**, 59, 1542-1550	2	7
8	Dynamic Simulation of the Electron Bernstein Wave Heating Under NBI Conditions in TJ Plasmas. *Contributions To Plasma Physics*, **2011**, 51, 83-91	1.4	4

7	Autonomic management of elastic services in the cloud **2011**,		11
6	Design of a New Cloud Computing Simulation Platform. *Lecture Notes in Computer Science*, **2011**, 582-593	3.9	14
5	THOR: A Transparent Heterogeneous Open Resource framework **2010**,		2
4	CD-HIT Workflow Execution on Grids Using Replication Heuristics **2008**,		1
3	A comparison between two grid scheduling philosophies: EGEE WMS and Grid Way1. *Multiagent and Grid Systems*, **2007**, 3, 429-439	0.5	20
2	Workflow management in a protein clustering application **2007**,		4
1	Coordinated harnessing of the IRISGrid and EGEE testbeds with GridWay. *Journal of Parallel and Distributed Computing*, **2006**, 66, 763-771	4.4	12