Vinicius Facco Rodrigues

List of Publications by Year
in descending order

38 papers	**303** citations

1040056
9 h-index

888059
17 g-index

38 all docs	**38** docs citations	**38** times ranked	**281** citing authors

#	Article	IF	Citations
1	AutoElastic: Automatic Resource Elasticity for High Performance Applications in the Cloud. IEEE Transactions on Cloud Computing, 2016, 4, 6-19.	4.4	63
2	Serverless computing for Internet of Things: A systematic literature review. Future Generation Computer Systems, 2022, 128, 299-316.	7.5	38
3	FogChain: A Fog Computing Architecture Integrating Blockchain and Internet of Things for Personal Health Records. IEEE Access, 2021, 9, 122723-122737.	4.2	26
4	Looking at Fog Computing for E-Health through the Lens of Deployment Challenges and Applications. Sensors, 2020, 20, 2553.	3.8	24
5	A Survey of Sensors in Healthcare Workflow Monitoring. ACM Computing Surveys, 2019, 51, 1-37.	23.0	23
6	A lightweight plug-and-play elasticity service for self-organizing resource provisioning on parallel applications. Future Generation Computer Systems, 2018, 78, 176-190.	7.5	14
7	A Survey About Real-Time Location Systems in Healthcare Environments. Journal of Medical Systems, 2021, 45, 35.	3.6	11
8	Monocular multi-person pose estimation: A survey. Pattern Recognition, 2021, 118, 108046.	8.1	11
9	Smart Hospitals and IoT Sensors: Why Is QoS Essential Here?. Journal of Sensor and Actuator Networks, 2022, 11, 33.	3.9	11
10	Joint€analysis of performance and energy consumption when enabling cloud elasticity for synchronous HPC applications. Concurrency Computation Practice and Experience, 2016, 28, 1548-1571.	2.2	9
11	Baptizo: A sensor fusion based model for tracking the identity of human poses. Information Fusion, 2020, 62, 1-13.	19.1	8
12	A multi-sensor architecture combining human pose estimation and real-time location systems for workflow monitoring on hybrid operating suites. Future Generation Computer Systems, 2022, 135, 283-298.	7.5	7
13	Towards Enabling Live Thresholding as Utility to Manage Elastic Master-Slave Applications in the Cloud. Journal of Grid Computing, 2017, 15, 535-556.	3.9	6
14	On Providing Multi-Level Quality of Service for Operating Rooms of the Future. Sensors, 2019, 19, 2303.	3.8	6
15	Elastic-RAN: An adaptable multi-level elasticity model for Cloud Radio Access Networks. Computer Communications, 2019, 142-143, 34-47.	5.1	6
16	Toward analyzing mutual interference on infrared-enabled depth cameras. Computer Vision and Image Understanding, 2019, 178, 1-15.	4.7	6
17	MigPF: Towards on self-organizing process rescheduling of Bulk-Synchronous Parallel applications. Future Generation Computer Systems, 2018, 78, 272-286.	7.5	5
18	Exploring publish/subscribe, multilevel cloud elasticity, and data compression in telemedicine. Computer Methods and Programs in Biomedicine, 2020, 191, 105403.	4.7	4

#	Article	IF	Citations
19	Towards Cloud-based Asynchronous Elasticity for Iterative HPC Applications. Journal of Physics: Conference Series, 2015, 649, 012006.	0.4	3
20	GreenHPC: a novel framework to measure energy consumption on HPC applications. , 2015, , .		3
21	On exploring proactive cloud elasticity for internet of things demands. , 2017, , .		3
22	Pipel: exploiting resource reorganisation to optimise performance of pipeline-structured applications in the cloud. International Journal of Computational Systems Engineering, 2019, 5, 1.	0.2	3
23	Use of Internet of Things With Data Prediction on Healthcare Environments. International Journal of E-Health and Medical Communications, 2020, 11, 1-19.	1.6	3
24	Towards Combining Reactive and Proactive Cloud Elasticity on Running HPC Applications. , 2018, , .		3
25	Brokel: Towards enabling multi-level cloud elasticity on publish/subscribe brokers. International Journal of Distributed Sensor Networks, 2017, 13, 155014771772886.	2.2	2
26	Towards providing middleware-level proactive resource reorganisation for elastic HPC applications in the cloud. International Journal of Grid and Utility Computing, 2019, 10, 76.	0.2	2
27	Rescheduling and checkpointing as strategies to run synchronous parallel programs on P2P desktop grids. , 2015, , .		1
28	Exploiting Data-Parallelism on Multicore and SMT Systems for Implementing the Fractal Image Compressing Problem. Journal of Computer and Information Science, 2016, 10, 34.	0.3	1
29	Educational data modelling using curve fitting and average uniform algorithm. International Journal of Grid and Utility Computing, 2019, 10, 3.	0.2	1
30	A novel framework for supporting the exponential worldwide adoption of electronic transactions. , 2014, , .		0
31	MigBSP++: Improving process rescheduling on Bulk-Synchronous Parallel applications. , 2015, , .		0
32	Cloud elasticity for HPC applications: Observing energy, performance and cost. , 2015, , .		0
33	On providing on-the-fly resizing of the elasticity grain when executing HPC applications in the cloud. International Journal of Computational Science and Engineering, 2019, 20, 439.	0.5	0
34	ElBench: a microbenchmark to evaluate virtual machine and container strategies on executing elastic applications in the cloud. International Journal of Computational Science and Engineering, 2020, 21, 457.	0.5	0
35	Using Computational Geometry to Improve Process Rescheduling on Round-Based Parallel Applications. Scalable Computing, 2016, 17, .	1.0	0
36	Impact of Thresholds and Load Patterns when Executing HPC Applications with Cloud Elasticity. CLEI Electronic Journal, 0, , .	0.3	0

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37	On providing on-the-fly resizing of the elasticity grain when executing HPC applications in the cloud. International Journal of Computational Science and Engineering, 2017, 1, 1.	0.5	0
38	Towards providing middleware-level proactive resource reorganisation for elastic HPC applications in the cloud. International Journal of Grid and Utility Computing, 2019, 10, 76.	0.2	0