

Alberto Nã°Ã±ez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1731505/publications.pdf>

Version: 2024-02-01

50
papers

657
citations

759233

12
h-index

610901

24
g-index

52
all docs

52
docs citations

52
times ranked

544
citing authors

#	ARTICLE	IF	CITATIONS
1	iCanCloud: A Flexible and Scalable Cloud Infrastructure Simulator. Journal of Grid Computing, 2012, 10, 185-209.	3.9	236
2	E-mc2: A formal framework for energy modelling in cloud computing. Simulation Modelling Practice and Theory, 2013, 39, 56-75.	3.8	53
3	New techniques for simulating high performance MPI applications on large storage networks. Journal of Supercomputing, 2010, 51, 40-57.	3.6	31
4	SIMCAN: A flexible, scalable and expandable simulation platform for modelling and simulating distributed architectures and applications. Simulation Modelling Practice and Theory, 2012, 20, 12-32.	3.8	26
5	Mutomvo: Mutation testing framework for simulated cloud and HPC environments. Journal of Systems and Software, 2018, 143, 187-207.	4.5	23
6	MT-EA4Cloud: A Methodology For testing and optimising energy-aware cloud systems. Journal of Systems and Software, 2020, 163, 110522.	4.5	20
7	Using genetic algorithms to generate test sequences for complex timed systems. Soft Computing, 2013, 17, 301-315.	3.6	18
8	A methodology for validating cloud models using metamorphic testing. Annales Des Telecommunications/Annals of Telecommunications, 2015, 70, 127-135.	2.5	17
9	Dynamic-CoMPI: dynamic optimization techniques for MPI parallel applications. Journal of Supercomputing, 2012, 59, 361-391.	3.6	16
10	TEA-Cloud: A Formal Framework for Testing Cloud Computing Systems. IEEE Transactions on Reliability, 2021, 70, 261-284.	4.6	16
11	iCanCloud: A Brief Architecture Overview. , 2012, , .		13
12	Improving cloud architectures using UML profiles and M2T transformation techniques. Journal of Supercomputing, 2019, 75, 8012-8058.	3.6	13
13	A Framework for Modeling Cloud Infrastructures and User Interactions. IEEE Access, 2019, 7, 43269-43285.	4.2	12
14	An expert system for checking the correctness of memory systems using simulation and metamorphic testing. Expert Systems With Applications, 2019, 132, 44-62.	7.6	11
15	A formal framework to analyze cost and performance in Map-Reduce based applications. Journal of Computational Science, 2014, 5, 106-118.	2.9	10
16	New techniques for simulating high performance MPI applications on large storage networks. , 2008, , .		9
17	Passive testing of communicating systems with timeouts. Information and Software Technology, 2015, 64, 19-35.	4.4	9
18	FORTIFIER: a FORMal disTRibuted Framework to Improve the dETection of thREATening objects in baggage. Journal of Information and Telecommunication, 2018, 2, 2-18.	2.8	9

#	ARTICLE	IF	CITATIONS
19	SIMCAN: A SIMulator Framework for Computer Architectures and Storage Networks. , 2008, , .		8
20	Using Black-Box Modeling Techniques for Modern Disk Drives Service Time Simulation. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	7
21	MAScloud: A Framework Based on Multi-Agent Systems for Optimizing Cost in Cloud Computing. Lecture Notes in Computer Science, 2012, , 436-445.	1.3	7
22	Dimensioning Scientific Computing Systems to Improve Performance of Map-Reduce based Applications. Procedia Computer Science, 2012, 9, 226-235.	2.0	6
23	CloudExpert: An intelligent system for selecting cloud system simulators. Expert Systems With Applications, 2022, 187, 115955.	7.6	6
24	Cost-related interface for software product lines. Journal of Logical and Algebraic Methods in Programming, 2016, 85, 227-244.	0.5	5
25	New Techniques for Modeling File Data Distribution on Storage Nodes. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	4
26	An Adaptive, Scalable, and Portable Technique for Speeding Up MPI-Based Applications. Lecture Notes in Computer Science, 2012, , 729-740.	1.3	4
27	A Methodology for Designing Energy-aware Systems for Computational Science. Procedia Computer Science, 2015, 51, 2804-2808.	2.0	4
28	EMINENT: Embarrassingly Parallel Mutation Testing. Procedia Computer Science, 2016, 80, 63-73.	2.0	4
29	Profiling SLAs for cloud system infrastructures and user interactions. PeerJ Computer Science, 2021, 7, e513.	4.5	4
30	New ideas: automated engineering of metamorphic testing environments for domain-specific languages. , 2021, , .		4
31	Using Architectural Simulation Models to Aid the Design of Data Intensive Application. , 2009, , .		3
32	Optimizing the Trade-offs Between Cost and Performance in Scientific Computing. Procedia Computer Science, 2012, 9, 498-507.	2.0	3
33	SANComSim: A Scalable, Adaptive and Non-intrusive Framework to Optimize Performance in Computational Science Applications. Procedia Computer Science, 2013, 18, 230-239.	2.0	3
34	SIMCAN: A simulator to improve the learning of distributed and high-performance computing systems in engineering degrees. Computer Applications in Engineering Education, 2019, 27, 1126-1138.	3.4	3
35	Optimizing Distributed Architectures to Improve Performance on Checkpointing Applications. , 2011, , .		2
36	OUTRIDER: Optimizing the mUtation Testing pRocess In Distributed EnviRonments. Procedia Computer Science, 2017, 108, 505-514.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Probabilistic software product lines. Journal of Logical and Algebraic Methods in Programming, 2019, 107, 54-78.	0.5	2
38	MAGICIAN: Model-based design for optimizing the configuration of data-centers. , 2017, , .		2
39	M-PLAT: Multi-Programming Language Adaptive Tutor. , 2008, , .		1
40	New Contributions for Simulating Large Distributed Systems. , 2010, , .		1
41	A Methodology for Aiding Users to Design and Model Cloud Computing Architectures. , 2014, , .		1
42	A hybrid ant colony based system for assist the prevention and mitigation of wildfires in forests. , 2017, , .		1
43	Evaluating cloud interactions with costs and SLAs. Journal of Supercomputing, 2022, 78, 7529-7555.	3.6	1
44	Chaos as a Software Product Line – A platform for improving open hybrid cloud systems resiliency. Software - Practice and Experience, 2022, 52, 1581-1614.	3.6	1
45	A Power-Aware Based Storage Architecture for High Performance Computing. , 2011, , .		0
46	OCE: An Online Colaborative Editor. Lecture Notes in Computer Science, 2012, , 89-98.	1.3	0
47	FARTHEST: FormAl distRibuTed schEma to dEtect Suspicious arTefacts. Lecture Notes in Computer Science, 2016, , 770-779.	1.3	0
48	A Methodology for Testing Simulated Environments. DEStech Transactions on Environment Energy and Earth Science, 2016, , .	0.0	0
49	Using Ants to Fight Wildfire. Lecture Notes in Computer Science, 2017, , 371-380.	1.3	0
50	Analyzing the Cloud Performance Using Different User Subscription Times. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 1699-1720.	0.8	0