

# Alberto NÃ³Ã±ez

## List of Publications by Year in descending order

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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	CloudExpert: An intelligent system for selecting cloud system simulators. Expert Systems With Applications, 2022, 187, 115955.	7.6	6
2	Evaluating cloud interactions with costs and SLAs. Journal of Supercomputing, 2022, 78, 7529-7555.	3.6	1
3	Chaos as a Software Product Lineâ€™A platform for improving open hybridâ€™cloud systems resiliency. Software - Practice and Experience, 2022, 52, 1581-1614.	3.6	1
4	TEA-Cloud: A Formal Framework for Testing Cloud Computing Systems. IEEE Transactions on Reliability, 2021, 70, 261-284.	4.6	16
5	Profiling SLAs for cloud system infrastructures and user interactions. PeerJ Computer Science, 2021, 7, e513.	4.5	4
6	New ideas: automated engineering of metamorphic testing environments for domain-specific languages. , 2021, , .		4
7	Analyzing the Cloud Performance Using Different User Subscription Times. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 1699-1720.	0.8	0
8	MT-EA4Cloud: A Methodology For testing and optimising energy-aware cloud systems. Journal of Systems and Software, 2020, 163, 110522.	4.5	20
9	Probabilistic software product lines. Journal of Logical and Algebraic Methods in Programming, 2019, 107, 54-78.	0.5	2
10	SIMCAN: A simulator to improve the learning of distributed and highâ€™performance computing systems in engineering degrees. Computer Applications in Engineering Education, 2019, 27, 1126-1138.	3.4	3
11	Improving cloud architectures using UML profiles and M2T transformation techniques. Journal of Supercomputing, 2019, 75, 8012-8058.	3.6	13
12	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
13	A Framework for Modeling Cloud Infrastructures and User Interactions. IEEE Access, 2019, 7, 43269-43285.	4.2	12
14	Mutomvo: Mutation testing framework for simulated cloud and HPC environments. Journal of Systems and Software, 2018, 143, 187-207.	4.5	23
15	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
16	OUTRIDER: Optimizing the mUTation Testing pROcess In Distributed EnviRONments. Procedia Computer Science, 2017, 108, 505-514.	2.0	2
17	A hybrid ant colony based system for assist the prevention and mitigation of wildfires in forests. , 2017, , .		1
18	Using Ants to Fight Wildfire. Lecture Notes in Computer Science, 2017, , 371-380.	1.3	0

#	ARTICLE	IF	CITATIONS
19	MAGICIAN: Model-based design for optimizing the configuration of data-centers. , 2017, , .		2
20	EMINENT: Embarrassingly Parallel Mutation Testing. Procedia Computer Science, 2016, 80, 63-73.	2.0	4
21	Cost-related interface for software product lines. Journal of Logical and Algebraic Methods in Programming, 2016, 85, 227-244.	0.5	5
22	FARTHEST: FormAl distRibuTed scHema to dEtect Suspicious arTefacts. Lecture Notes in Computer Science, 2016, , 770-779.	1.3	0
23	A Methodology for Testing Simulated Environments. DEStech Transactions on Environment Energy and Earth Science, 2016, , .	0.0	0
24	A Methodology for Designing Energy-aware Systems for Computational Science. Procedia Computer Science, 2015, 51, 2804-2808.	2.0	4
25	A methodology for validating cloud models using metamorphic testing. Annales Des Telecommunications/Annals of Telecommunications, 2015, 70, 127-135.	2.5	17
26	Passive testing of communicating systems with timeouts. Information and Software Technology, 2015, 64, 19-35.	4.4	9
27	A Methodology for Aiding Users to Design and Model Cloud Computing Architectures. , 2014, , .		1
28	A formal framework to analyze cost and performance in Map-Reduce based applications. Journal of Computational Science, 2014, 5, 106-118.	2.9	10
29	E-mc2: A formal framework for energy modelling in cloud computing. Simulation Modelling Practice and Theory, 2013, 39, 56-75.	3.8	53
30	Using genetic algorithms to generate test sequences for complex timed systems. Soft Computing, 2013, 17, 301-315.	3.6	18
31	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
32	Dimensioning Scientific Computing Systems to Improve Performance of Map-Reduce based Applications. Procedia Computer Science, 2012, 9, 226-235.	2.0	6
33	Optimizing the Trade-offs Between Cost and Performance in Scientific Computing. Procedia Computer Science, 2012, 9, 498-507.	2.0	3
34	An Adaptive, Scalable, and Portable Technique for Speeding Up MPI-Based Applications. Lecture Notes in Computer Science, 2012, , 729-740.	1.3	4
35	iCanCloud: A Brief Architecture Overview. , 2012, , .		13
36	iCanCloud: A Flexible and Scalable Cloud Infrastructure Simulator. Journal of Grid Computing, 2012, 10, 185-209.	3.9	236

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37	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
38	Dynamic-CoMPI: dynamic optimization techniques for MPI parallel applications. Journal of Supercomputing, 2012, 59, 361-391.	3.6	16
39	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
40	OCE: An Online Colaborative Editor. Lecture Notes in Computer Science, 2012, , 89-98.	1.3	0
41	Optimizing Distributed Architectures to Improve Performance on Checkpointing Applications. , 2011, , .		2
42	A Power-Aware Based Storage Architecture for High Performance Computing. , 2011, , .		0
43	New techniques for simulating high performance MPI applications on large storage networks. Journal of Supercomputing, 2010, 51, 40-57.	3.6	31
44	New Contributions for Simulating Large Distributed Systems. , 2010, , .		1
45	Using Architectural Simulation Models to Aid the Design of Data Intensive Application. , 2009, , .		3
46	Using Black-Box Modeling Techniques for Modern Disk Drives Service Time Simulation. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	7
47	New Techniques for Modeling File Data Distribution on Storage Nodes. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	4
48	M-PLAT: Multi-Programming Language Adaptive Tutor. , 2008, , .		1
49	New techniques for simulating high performance MPI applications on large storage networks. , 2008, , .		9
50	SIMCAN: A SIMulator Framework for Computer Architectures and Storage Networks. , 2008, , .		8