

Carlo Cavazzoni

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

19,084
citations

1684188

5
h-index

1720034

7
g-index

12
all docs

12
docs citations

12
times ranked

21589
citing authors

#	ARTICLE	IF	CITATIONS
1	QUANTUM ESPRESSO: a modular and open-source software project for quantum simulations of materials. Journal of Physics Condensed Matter, 2009, 21, 395502.	1.8	18,183
2	Quantum ESPRESSO toward the exascale. Journal of Chemical Physics, 2020, 152, 154105.	3.0	796
3	Integrated Energy-Aware Management of Supercomputer Hybrid Cooling Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 1299-1311.	11.3	22
4	Quantifying the impact of variability on the energy efficiency for a next-generation ultra-green supercomputer. , 2014, , .		18
5	Practical parallelization of scientific applications with OpenMP, OpenACC and MPI. Journal of Parallel and Distributed Computing, 2021, 157, 13-29.	4.1	16
6	Paving the Way Toward Energy-Aware and Automated Datacentre. , 2019, , .		15
7	Quantifying the Impact of Variability and Heterogeneity on the Energy Efficiency for a Next-Generation Ultra-Green Supercomputer. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1575-1588.	5.6	12
8	COUNTDOWN. , 2018, , .		10
9	Cooling-aware node-level task allocation for next-generation green HPC systems. , 2016, , .		8
10	Distributed workflows with Jupyter. Future Generation Computer Systems, 2022, 128, 282-298.	7.5	3
11	Thermal Characterization of a Tier0 Datacenter Room in Normal and Thermal Emergency Conditions. Lecture Notes in Computer Science, 2021, , 1-16.	1.3	1
12	Evaluating the Advantage of Reactive MPI-aware Power Control Policies. Lecture Notes in Computer Science, 2020, , 181-190.	1.3	0