

Gian Giacomo Guerreschi

List of Publications by Year in descending order

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23
papers

906
citations

687363

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713466

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g-index

23
all docs

23
docs citations

23
times ranked

1084
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of QAOA based on the approximation ratio of individual samples. Quantum Science and Technology, 2022, 7, 045014.	5.8	7
2	Quantum Computer-Aided Design: Digital Quantum Simulation of Quantum Processors. Physical Review Applied, 2021, 16, .	3.8	12
3	Resource-efficient digital quantum simulation of d-level systems for photonic, vibrational, and spin-s Hamiltonians. Npj Quantum Information, 2020, 6, .	6.7	74
4	Intel Quantum Simulator: a cloud-ready high-performance simulator of quantum circuits. Quantum Science and Technology, 2020, 5, 034007.	5.8	55
5	Impact of qubit connectivity on quantum algorithm performance. Quantum Science and Technology, 2020, 5, 025009.	5.8	21
6	On connectivity-dependent resource requirements for digital quantum simulation of d-level particles. , 2020, , .		2
7	QAOA for Max-Cut requires hundreds of qubits for quantum speed-up. Scientific Reports, 2019, 9, 6903.	3.3	139
8	Repeat-until-success circuits with fixed-point oblivious amplitude amplification. Physical Review A, 2019, 99, .	2.5	11
9	Two-step approach to scheduling quantum circuits. Quantum Science and Technology, 2018, 3, 045003.	5.8	40
10	Faster than classical quantum algorithm for dense formulas of exact satisfiability and occupation problems. New Journal of Physics, 2016, 18, 073003.	2.9	21
11	Proposal for Microwave Boson Sampling. Physical Review Letters, 2016, 117, 140505.	7.8	40
12	Efficient photon triplet generation in integrated nanophotonic waveguides. Optics Express, 2016, 24, 9932.	3.4	23
13	Adiabatic quantum optimization in the presence of discrete noise: Reducing the problem dimensionality. Physical Review A, 2015, 92, .	2.5	15
14	Boson sampling for molecular vibronic spectra. Nature Photonics, 2015, 9, 615-620.	31.4	230
15	Approaches to Measuring Entanglement in Chemical Magnetometers. Journal of Physical Chemistry A, 2014, 118, 13-20.	2.5	16
16	Multiple re-encounter approach to radical pair reactions and the role of nonlinear master equations. Journal of Chemical Physics, 2014, 141, 054107.	3.0	8
17	Optical switching of radical pair conformation enhances magnetic sensitivity. Chemical Physics Letters, 2013, 572, 106-110.	2.6	6
18	Persistent dynamic entanglement from classical motion: how bio-molecular machines can generate nontrivial quantum states. New Journal of Physics, 2012, 14, 053043.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Motional effects on the efficiency of excitation transfer. <i>New Journal of Physics</i> , 2010, 12, 075019.	2.9	29
20	Quantum Control and Entanglement in a Chemical Compass. <i>Physical Review Letters</i> , 2010, 104, 220502.	7.8	143
21	Quantum measures for density correlations in optical lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3516-3521.	2.1	2
22	Noise-induced interference fringes in trapped ultracold bosonic gases. <i>Physical Review A</i> , 2008, 78, .	2.5	1
23	Fast simulation of quantum algorithms using circuit optimization. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 706.	0.0	5