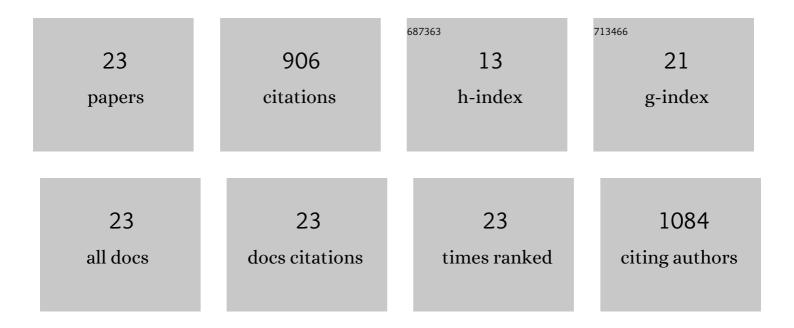
Gian Giacomo Guerreschi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5066885/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Boson sampling for molecular vibronic spectra. Nature Photonics, 2015, 9, 615-620.	31.4	230
2	Quantum Control and Entanglement in a Chemical Compass. Physical Review Letters, 2010, 104, 220502.	7.8	143
3	QAOA for Max-Cut requires hundreds of qubits for quantum speed-up. Scientific Reports, 2019, 9, 6903.	3.3	139
4	Resource-efficient digital quantum simulation of d-level systems for photonic, vibrational, and spin-s Hamiltonians. Npj Quantum Information, 2020, 6, .	6.7	74
5	Intel Quantum Simulator: a cloud-ready high-performance simulator of quantum circuits. Quantum Science and Technology, 2020, 5, 034007.	5.8	55
6	Proposal for Microwave Boson Sampling. Physical Review Letters, 2016, 117, 140505.	7.8	40
7	Two-step approach to scheduling quantum circuits. Quantum Science and Technology, 2018, 3, 045003.	5.8	40
8	Motional effects on the efficiency of excitation transfer. New Journal of Physics, 2010, 12, 075019.	2.9	29
9	Efficient photon triplet generation in integrated nanophotonic waveguides. Optics Express, 2016, 24, 9932.	3.4	23
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	Impact of qubit connectivity on quantum algorithm performance. Quantum Science and Technology, 2020, 5, 025009.	5.8	21
12	Approaches to Measuring Entanglement in Chemical Magnetometers. Journal of Physical Chemistry A, 2014, 118, 13-20.	2.5	16
13	Adiabatic quantum optimization in the presence of discrete noise: Reducing the problem dimensionality. Physical Review A, 2015, 92, .	2.5	15
14	Quantum Computer-Aided Design: Digital Quantum Simulation of Quantum Processors. Physical Review Applied, 2021, 16, .	3.8	12
15	Repeat-until-success circuits with fixed-point oblivious amplitude amplification. Physical Review A, 2019, 99, .	2.5	11
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	Evaluation of QAOA based on the approximation ratio of individual samples. Quantum Science and Technology, 2022, 7, 045014.	5.8	7
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	Optical switching of radical pair conformation enhances magnetic sensitivity. Chemical Physics Letters, 2013, 572, 106-110.	2.6	6
20	Fast simulation of quantum algorithms using circuit optimization. Quantum - the Open Journal for Quantum Science, 0, 6, 706.	0.0	5
21	Quantum measures for density correlations in optical lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3516-3521.	2.1	2
22	On connectivity-dependent resource requirements for digital quantum simulation of d-level particles. , 2020, , .		2
23	Noise-induced interference fringes in trapped ultracold bosonic gases. Physical Review A, 2008, 78, .	2.5	1