

Borja Peropadre

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,222
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2175
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum algorithm for credit valuation adjustments. <i>New Journal of Physics</i> , 2022, 24, 023036.	2.9	4
2	Quantum Chemistry in the Age of Quantum Computing. <i>Chemical Reviews</i> , 2019, 119, 10856-10915.	47.7	748
3	Dynamical Casimir Effect for Gaussian Boson Sampling. <i>Scientific Reports</i> , 2018, 8, 3751.	3.3	11
4	Equivalence between spin Hamiltonians and boson sampling. <i>Physical Review A</i> , 2017, 95, .	2.5	13
5	Simulating superluminal physics with superconducting circuit technology. <i>Physical Review A</i> , 2017, 96, .	2.5	11
6	Quantum Emulation of Molecular Force Fields: A Blueprint for a Superconducting Architecture. <i>Physical Review Applied</i> , 2017, 8, .	3.8	6
7	Quantum simulation with a boson sampling circuit. <i>Physical Review A</i> , 2016, 94, .	2.5	7
8	Proposal for Microwave Boson Sampling. <i>Physical Review Letters</i> , 2016, 117, 140505.	7.8	40
9	Tunable coupling of transmission-line microwave resonators mediated by an rf SQUID. <i>EPJ Quantum Technology</i> , 2016, 3, .	6.3	46
10	Tunable and switchable coupling between two superconducting resonators. <i>Physical Review B</i> , 2015, 91, .	3.2	55
11	Boson sampling for molecular vibronic spectra. <i>Nature Photonics</i> , 2015, 9, 615-620.	31.4	230
12	Quantum Nonlinear Optics with Polar J-Aggregates in Microcavities. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3708-3715.	4.6	34
13	Tunable coupling engineering between superconducting resonators: From sidebands to effective gauge fields. <i>Physical Review B</i> , 2013, 87, .	3.2	106
14	Scattering of coherent states on a single artificial atom. <i>New Journal of Physics</i> , 2013, 15, 035009.	2.9	55
15	Microwave quantum optics with an artificial atom in one-dimensional open space. <i>New Journal of Physics</i> , 2013, 15, 025011.	2.9	80
16	Nonequilibrium and Nonperturbative Dynamics of Ultrastrong Coupling in Open Lines. <i>Physical Review Letters</i> , 2013, 111, 243602.	7.8	96
17	From Josephson junction metamaterials to tunable pseudo-cavities. <i>Superconductor Science and Technology</i> , 2013, 26, 074006.	3.5	11
18	Extracting Past-Future Vacuum Correlations Using Circuit QED. <i>Physical Review Letters</i> , 2012, 109, 033602.	7.8	58

#	ARTICLE	IF	CITATIONS
19	Approaching perfect microwave photodetection in circuit QED. Physical Review A, 2011, 84, .	2.5	85
20	Demonstration of a Single-Photon Router in the Microwave Regime. Physical Review Letters, 2011, 107, 073601.	7.8	377
21	Switchable Ultrastrong Coupling in Circuit QED. Physical Review Letters, 2010, 105, 023601.	7.8	149