

# Borja Peropadre

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2960429/publications.pdf>

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 Chemistry in the Age of Quantum Computing. <i>Chemical Reviews</i> , 2019, 119, 10856-10915.	47.7	748
2	Demonstration of a Single-Photon Router in the Microwave Regime. <i>Physical Review Letters</i> , 2011, 107, 073601.	7.8	377
3	Boson sampling for molecular vibronic spectra. <i>Nature Photonics</i> , 2015, 9, 615-620.	31.4	230
4	Switchable Ultrastrong Coupling in Circuit QED. <i>Physical Review Letters</i> , 2010, 105, 023601.	7.8	149
5	Tunable coupling engineering between superconducting resonators: From sidebands to effective gauge fields. <i>Physical Review B</i> , 2013, 87, .	3.2	106
6	Nonequilibrium and Nonperturbative Dynamics of Ultrastrong Coupling in Open Lines. <i>Physical Review Letters</i> , 2013, 111, 243602.	7.8	96
7	Approaching perfect microwave photodetection in circuit QED. <i>Physical Review A</i> , 2011, 84, .	2.5	85
8	Microwave quantum optics with an artificial atom in one-dimensional open space. <i>New Journal of Physics</i> , 2013, 15, 025011.	2.9	80
9	Extracting Past-Future Vacuum Correlations Using Circuit QED. <i>Physical Review Letters</i> , 2012, 109, 033602.	7.8	58
10	Scattering of coherent states on a single artificial atom. <i>New Journal of Physics</i> , 2013, 15, 035009.	2.9	55
11	Tunable and switchable coupling between two superconducting resonators. <i>Physical Review B</i> , 2015, 91, .	3.2	55
12	Tunable coupling of transmission-line microwave resonators mediated by an rf SQUID. <i>EPJ Quantum Technology</i> , 2016, 3, .	6.3	46
13	Proposal for Microwave Boson Sampling. <i>Physical Review Letters</i> , 2016, 117, 140505.	7.8	40
14	Quantum Nonlinear Optics with Polar J-Aggregates in Microcavities. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3708-3715.	4.6	34
15	Equivalence between spin Hamiltonians and boson sampling. <i>Physical Review A</i> , 2017, 95, .	2.5	13
16	From Josephson junction metamaterials to tunable pseudo-cavities. <i>Superconductor Science and Technology</i> , 2013, 26, 074006.	3.5	11
17	Simulating superluminal physics with superconducting circuit technology. <i>Physical Review A</i> , 2017, 96, .	2.5	11
18	Dynamical Casimir Effect for Gaussian Boson Sampling. <i>Scientific Reports</i> , 2018, 8, 3751.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Quantum simulation with a boson sampling circuit. Physical Review A, 2016, 94, .	2.5	7
20	Quantum Emulation of Molecular Force Fields: A Blueprint for a Superconducting Architecture. Physical Review Applied, 2017, 8, .	3.8	6
21	Quantum algorithm for credit valuation adjustments. New Journal of Physics, 2022, 24, 023036.	2.9	4