

# Frederico Brito

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7273303/publications.pdf>

Version: 2024-02-01

24  
papers

382  
citations

759233

12  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault-tolerant computing with biased-noise superconducting qubits: a case study. <i>New Journal of Physics</i> , 2009, 11, 013061.	2.9	63
2	Measurements of nanoresonator-qubit interactions in a hybrid quantum electromechanical system. <i>Nanotechnology</i> , 2016, 27, 364003.	2.6	33
3	Temperature-induced spin-coherence dissipation in quantum dots. <i>Physical Review B</i> , 2008, 78, .	3.2	26
4	A knob for Markovianity. <i>New Journal of Physics</i> , 2015, 17, 072001.	2.9	26
5	Non-Thermal Quantum Engine in Transmon Qubits. <i>Entropy</i> , 2019, 21, 545.	2.2	25
6	Decoherence rates in complex Josephson qubit circuits. <i>Physical Review B</i> , 2006, 74, .	3.2	23
7	Probing the Unruh effect with an accelerated extended system. <i>Nature Communications</i> , 2019, 10, 3030.	12.8	20
8	Nonadditivity of decoherence rates in superconducting qubits. <i>Physical Review B</i> , 2005, 72, .	3.2	17
9	Spin-phase-space-entropy production. <i>Physical Review A</i> , 2018, 97, .	2.5	17
10	Efficient one- and two-qubit pulsed gates for an oscillator-stabilized Josephson qubit. <i>New Journal of Physics</i> , 2008, 10, 033027.	2.9	16
11	Synchronization of multiple coupled rf-SQUID flux qubits. <i>New Journal of Physics</i> , 2009, 11, 123022.	2.9	15
12	Quantum information storage using tunable flux qubits. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 053201.	1.8	13
13	Decoherence of floating qubits due to capacitive coupling. <i>New Journal of Physics</i> , 2009, 11, 033030.	2.9	12
14	Slicing the Fock space for state production and protection. <i>Physical Review A</i> , 2014, 90, .	2.5	12
15	Magnetism of Ferrimagnetic Polymer Chains. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 185-190.	0.9	11
16	Dissipative dynamics of a two-level system resonantly coupled to a harmonic mode. <i>New Journal of Physics</i> , 2008, 10, 115014.	2.9	11
17	Non-Markovian incoherent quantum dynamics of a two-state system. <i>Physical Review B</i> , 2009, 80, .	3.2	11
18	Work on a quantum dipole by a single-photon pulse. <i>Optics Letters</i> , 2018, 43, 2644.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Quantum dissipative adaptation. Communications Physics, 2021, 4, .	5.3	7
20	Testing time reversal symmetry in artificial atoms. New Journal of Physics, 2015, 17, 075002.	2.9	5
21	Validation of quantum adiabaticity through non-inertial frames and its trapped-ion realization. Scientific Reports, 2019, 9, 10449.	3.3	4
22	Reliability of Digitized Quantum Annealing and the Decay of Entanglement. Annalen Der Physik, 2018, 530, 1800007.	2.4	2
23	Dynamic Stark shift induced by a single photon packet. Optics Letters, 2017, 42, 1692.	3.3	2
24	Emergence of energy-avoiding and energy-seeking behaviors in nonequilibrium dissipative quantum systems. Communications Physics, 2022, 5, .	5.3	2