

Arne Lhre Grimsmo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

842
citations

16
h-index

28
g-index

32
ext. papers

1,382
ext. citations

6.1
avg, IF

5.21
L-index

#	Paper	IF	Citations
29	Realization of the Dicke model using cavity-assisted Raman transitions. <i>Physical Review Letters</i> , 2014 , 113, 020408	7.4	107
28	Circuit quantum electrodynamics. <i>Reviews of Modern Physics</i> , 2021 , 93,	40.5	92
27	Time-Delayed Quantum Feedback Control. <i>Physical Review Letters</i> , 2015 , 115, 060402	7.4	80
26	Quantum annealing with all-to-all connected nonlinear oscillators. <i>Nature Communications</i> , 2017 , 8, 15785	7.4	72
25	Cavity-QED simulation of qubit-oscillator dynamics in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2013 , 87,	2.6	63
24	Giant acoustic atom: A single quantum system with a deterministic time delay. <i>Physical Review A</i> , 2017 , 95,	2.6	48
23	Dicke-model simulation via cavity-assisted Raman transitions. <i>Physical Review A</i> , 2018 , 97,	2.6	38
22	Coherence properties of the 0-qubit. <i>New Journal of Physics</i> , 2018 , 20, 043053	2.9	37
21	Quantum Computing with Rotation-Symmetric Bosonic Codes. <i>Physical Review X</i> , 2020 , 10,	9.1	36
20	Squeezing and quantum state engineering with Josephson travelling wave amplifiers. <i>Npj Quantum Information</i> , 2017 , 3,	8.6	28
19	Fast and high-fidelity entangling gate through parametrically modulated longitudinal coupling. <i>Quantum - the Open Journal for Quantum Science</i> , 1, 11		27
18	Rapid steady-state convergence for quantum systems using time-delayed feedback control. <i>New Journal of Physics</i> , 2014 , 16, 065004	2.9	26
17	Quantum Optics Theory of Electronic Noise in Coherent Conductors. <i>Physical Review Letters</i> , 2016 , 116, 043602	7.4	24
16	Open quantum systems with delayed coherent feedback. <i>Quantum Science and Technology</i> , 2017 , 2, 044008	9.9	23
15	Open Rabi model with ultrastrong coupling plus large dispersive-type nonlinearity: Nonclassical light via a tailored degeneracy. <i>Physical Review A</i> , 2014 , 89,	2.6	19
14	Itinerant Microwave Photon Detector. <i>Physical Review Letters</i> , 2018 , 120, 203602	7.4	18
13	Dissipative Dicke model with nonlinear atom-photon interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 224012	1.3	14

12	Control and coherence time enhancement of the 0-qubit. <i>New Journal of Physics</i> , 2019 , 21, 043002	2.9	13
11	Doubly nonlinear superconducting qubit. <i>Physical Review A</i> , 2019 , 100,	2.6	13
10	Dynamics of genuine multipartite correlations in open quantum systems. <i>Physical Review A</i> , 2012 , 86,	2.6	10
9	Memory effects in spontaneous emission processes. <i>Physical Review A</i> , 2013 , 87,	2.6	8
8	Dispersive Readout of Majorana Qubits. <i>PRX Quantum</i> , 2020 , 1,	6.1	8
7	Majorana qubit readout using longitudinal qubit-resonator interaction. <i>Physical Review B</i> , 2019 , 99,	3.3	7
6	Quantum correlations in predictive processes. <i>Physical Review A</i> , 2013 , 87,	2.6	7
5	Quantum Metamaterial for Broadband Detection of Single Microwave Photons. <i>Physical Review Applied</i> , 2021 , 15,	4.3	7
4	Quantum Error Correction with the Gottesman-Kitaev-Preskill Code. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
3	Practical Quantum Error Correction with the XZZX Code and Kerr-Cat Qubits. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
2	Quantum predictive filtering. <i>Physical Review A</i> , 2016 , 94,	2.6	3
1	Anomalous paths in quantum mechanical path-integrals. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 330-335	4.2	1