

Arne Lhre Grimsmo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4889013/arne-lohre-grimsmo-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Quantum Metamaterial for Broadband Detection of Single Microwave Photons. <i>Physical Review Applied</i> , 2021 , 15,	4.3	7
28	Circuit quantum electrodynamics. <i>Reviews of Modern Physics</i> , 2021 , 93,	40.5	92
27	Quantum Error Correction with the Gottesman-Kitaev-Preskill Code. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
26	Practical Quantum Error Correction with the XZZX Code and Kerr-Cat Qubits. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
25	Quantum Computing with Rotation-Symmetric Bosonic Codes. <i>Physical Review X</i> , 2020 , 10,	9.1	36
24	Dispersive Readout of Majorana Qubits. <i>PRX Quantum</i> , 2020 , 1,	6.1	8
23	Majorana qubit readout using longitudinal qubit-resonator interaction. <i>Physical Review B</i> , 2019 , 99,	3.3	7
22	Control and coherence time enhancement of the 0 π qubit. <i>New Journal of Physics</i> , 2019 , 21, 043002	2.9	13
21	Doubly nonlinear superconducting qubit. <i>Physical Review A</i> , 2019 , 100,	2.6	13
20	Dicke-model simulation via cavity-assisted Raman transitions. <i>Physical Review A</i> , 2018 , 97,	2.6	38
19	Coherence properties of the 0 π qubit. <i>New Journal of Physics</i> , 2018 , 20, 043053	2.9	37
18	Itinerant Microwave Photon Detector. <i>Physical Review Letters</i> , 2018 , 120, 203602	7.4	18
17	Quantum annealing with all-to-all connected nonlinear oscillators. <i>Nature Communications</i> , 2017 , 8, 15785	7.4	72
16	Open quantum systems with delayed coherent feedback. <i>Quantum Science and Technology</i> , 2017 , 2, 044008	9.9	23
15	Squeezing and quantum state engineering with Josephson travelling wave amplifiers. <i>Npj Quantum Information</i> , 2017 , 3,	8.6	28
14	Giant acoustic atom: A single quantum system with a deterministic time delay. <i>Physical Review A</i> , 2017 , 95,	2.6	48
13	Quantum Optics Theory of Electronic Noise in Coherent Conductors. <i>Physical Review Letters</i> , 2016 , 116, 043602	7.4	24

12	Quantum predictive filtering. <i>Physical Review A</i> , 2016 , 94,	2.6	3
11	Time-Delayed Quantum Feedback Control. <i>Physical Review Letters</i> , 2015 , 115, 060402	7.4	80
10	Realization of the Dicke model using cavity-assisted Raman transitions. <i>Physical Review Letters</i> , 2014 , 113, 020408	7.4	107
9	Rapid steady-state convergence for quantum systems using time-delayed feedback control. <i>New Journal of Physics</i> , 2014 , 16, 065004	2.9	26
8	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
7	Memory effects in spontaneous emission processes. <i>Physical Review A</i> , 2013 , 87,	2.6	8
6	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
5	Cavity-QED simulation of qubit-oscillator dynamics in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2013 , 87,	2.6	63
4	Quantum correlations in predictive processes. <i>Physical Review A</i> , 2013 , 87,	2.6	7
3	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
2	Dynamics of genuine multipartite correlations in open quantum systems. <i>Physical Review A</i> , 2012 , 86,	2.6	10
1	Fast and high-fidelity entangling gate through parametrically modulated longitudinal coupling. <i>Quantum - the Open Journal for Quantum Science</i> , 1, 11		27