

# Morten Kjaergaard

## 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.

18  
papers

954  
citations

9  
h-index

20  
g-index

20  
ext. papers

1,797  
ext. citations

14.3  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
18	A quantum engineers guide to superconducting qubits. <i>Applied Physics Reviews</i> , <b>2019</b> , 6, 021318	17.3	358
17	Superconducting Qubits: Current State of Play. <i>Annual Review of Condensed Matter Physics</i> , <b>2020</b> , 11, 369-395	19.7	257
16	Coherent control of a hybrid superconducting circuit made with graphene-based van der Waals heterostructures. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 120-125	28.7	75
15	Superconducting gatemon qubit based on a proximitized two-dimensional electron gas. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 915-919	28.7	68
14	Tunable Coupling Scheme for Implementing High-Fidelity Two-Qubit Gates. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	63
13	Waveguide quantum electrodynamics with superconducting artificial giant atoms. <i>Nature</i> , <b>2020</b> , 583, 775-779	50.4	40
12	Distinguishing Coherent and Thermal Photon Noise in a Circuit Quantum Electrodynamical System. <i>Physical Review Letters</i> , <b>2018</b> , 120, 260504	7.4	27
11	Realization of High-Fidelity CZ and ZZ-Free iSWAP Gates with a Tunable Coupler. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	19
10	Characterizing and Optimizing Qubit Coherence Based on SQUID Geometry. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	15
9	Two-Qubit Spectroscopy of Spatiotemporally Correlated Quantum Noise in Superconducting Qubits. <i>PRX Quantum</i> , <b>2020</b> , 1,	6.1	9
8	Generating spatially entangled itinerant photons with waveguide quantum electrodynamics. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	9
7	Quantum interference device for controlled two-qubit operations. <i>Npj Quantum Information</i> , <b>2020</b> , 6,	8.6	4
6	Multi-level quantum noise spectroscopy. <i>Nature Communications</i> , <b>2021</b> , 12, 967	17.4	4
5	Probing quantum information propagation with out-of-time-ordered correlators. <i>Nature Physics</i> , <b>2022</b> , 18, 172-178	16.2	4
4	Charge-Noise Insensitive Chiral Photonic Interface for Waveguide Circuit QED.. <i>Physical Review Letters</i> , <b>2021</b> , 127, 233601	7.4	1
3	Quantum transport and localization in 1d and 2d tight-binding lattices. <i>Npj Quantum Information</i> , <b>2022</b> , 8,	8.6	1
2	Improving qubit coherence using closed-loop feedback.. <i>Nature Communications</i> , <b>2022</b> , 13, 1932	17.4	0

- 1 Quantum Maxwell's demon assisted by non-Markovian effects.. *Physical Review E*, **2022**, 105, 044141 2.4 ○