

Morten Kjaergaard

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,618
citations

623574

14
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

2504
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantum engineer's guide to superconducting qubits. Applied Physics Reviews, 2019, 6, .	5.5	909
2	Superconducting Qubits: Current State of Play. Annual Review of Condensed Matter Physics, 2020, 11, 369-395.	5.2	728
3	Tunable Coupling Scheme for Implementing High-Fidelity Two-Qubit Gates. Physical Review Applied, 2018, 10, .	1.5	182
4	Waveguide quantum electrodynamics with superconducting artificial giant atoms. Nature, 2020, 583, 775-779.	13.7	147
5	Superconducting gatemon qubit based on a proximitized two-dimensional electron gas. Nature Nanotechnology, 2018, 13, 915-919.	15.6	138
6	Coherent control of a hybrid superconducting circuit made with graphene-based van der Waals heterostructures. Nature Nanotechnology, 2019, 14, 120-125.	15.6	118
7	Realization of High-Fidelity CZ and Z -Free iSWAP Gates with a Tunable Coupler. Physical Review X, 2021, 11, .	2.8	103
8	Probing quantum information propagation with out-of-time-ordered correlators. Nature Physics, 2022, 18, 172-178.	6.5	53
9	Distinguishing Coherent and Thermal Photon Noise in a Circuit Quantum Electrodynamical System. Physical Review Letters, 2018, 120, 260504.	2.9	46
10	Characterizing and Optimizing Qubit Coherence Based on SQUID Geometry. Physical Review Applied, 2020, 13, .	1.5	43
11	Two-Qubit Spectroscopy of Spatiotemporally Correlated Quantum Noise in Superconducting Qubits. PRX Quantum, 2020, 1, .	3.5	42
12	Generating spatially entangled itinerant photons with waveguide quantum electrodynamics. Science Advances, 2020, 6, .	4.7	26
13	Quantum transport and localization in 1d and 2d tight-binding lattices. Npj Quantum Information, 2022, 8, .	2.8	20
14	Multi-level quantum noise spectroscopy. Nature Communications, 2021, 12, 967.	5.8	16
15	Charge-Noise Insensitive Chiral Photonic Interface for Waveguide Circuit QED. Physical Review Letters, 2021, 127, 233601.	2.9	13
16	Quantum interference device for controlled two-qubit operations. Npj Quantum Information, 2020, 6, .	2.8	11
17	Improving qubit coherence using closed-loop feedback. Nature Communications, 2022, 13, 1932.	5.8	11
18	Quantum Maxwell's demon assisted by non-Markovian effects. Physical Review E, 2022, 105, 044141.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Demonstration of Density Matrix Exponentiation Using a Superconducting Quantum Processor. Physical Review X, 2022, 12, .	2.8	4
20	An improved recipe for error detection. Nature Physics, 2022, 18, 7-8.	6.5	3