

Benjamin Palmer

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

647
citations

759233

12
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677142

22
g-index

23
all docs

23
docs citations

23
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials challenges and opportunities for quantum computing hardware. <i>Science</i> , 2021, 372, .	12.6	196
2	Decoupling a Cooper-Pair Box to Enhance the Lifetime to 0.2 μ s. <i>Physical Review Letters</i> , 2011, 106, 120501.	7.8	63
3	Microwave attenuators for use with quantum devices below 100 mK. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	52
4	Autler-Townes splitting in a three-dimensional transmon superconducting qubit. <i>Physical Review B</i> , 2013, 88, .	3.2	48
5	Raman coherence in a circuit quantum electrodynamics lambda system. <i>Nature Physics</i> , 2016, 12, 75-79.	16.7	45
6	Anomalous avoided level crossings in a Cooper-pair box spectrum. <i>Physical Review B</i> , 2008, 78, .	3.2	43
7	Microwave photon Fock state generation by stimulated Raman adiabatic passage. <i>Nature Communications</i> , 2017, 8, 14148.	12.8	43
8	Fabrication artifacts and parallel loss channels in metamorphic epitaxial aluminum superconducting resonators. <i>Superconductor Science and Technology</i> , 2016, 29, 064003.	3.5	30
9	Observation of Autler-Townes effect in a dispersively dressed Jaynes-Cummings system. <i>New Journal of Physics</i> , 2013, 15, 125007.	2.9	25
10	Steady-state thermodynamics of nonequilibrium quasiparticles in a Cooper-pair box. <i>Physical Review B</i> , 2007, 76, .	3.2	21
11	Thin-film superconducting resonator tunable to the ground-state hyperfine splitting of 87Rb. <i>AIP Advances</i> , 2011, 1, .	1.3	15
12	Spectroscopy of a Cooper-pair box coupled to a two-level system via charge and critical current. <i>Physical Review B</i> , 2013, 87, .	3.2	13
13	Nonlinear microwave photon occupancy of a driven resonator strongly coupled to a transmon qubit. <i>Physical Review A</i> , 2015, 92, .	2.5	13
14	Implementation of a generalized controlled-NOT gate between fixed-frequency transmons. <i>Physical Review A</i> , 2019, 99, .	2.5	13
15	Hot electron heatsinks for microwave attenuators below 100 μ mK. <i>Applied Physics Letters</i> , 2019, 114, 152602.	3.3	5
16	Current density and forces for a current loop moving parallel over a thin conducting sheet. <i>European Journal of Physics</i> , 2004, 25, 655-666.	0.6	4
17	Characterization of coherent population-trapped states in a circuit-QED $\hat{\rho}$ system. <i>Physical Review A</i> , 2017, 96, .	2.5	4
18	Scanning eddy current dynamometer with 100 μ m resolution. <i>Review of Scientific Instruments</i> , 2000, 71, 3168-3172.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Dc SQUID Phase Qubit With an LC Filter. IEEE Transactions on Applied Superconductivity, 2009, 19, 957-960.	1.7	3
20	Anomalous Switching Curves in a dc SQUID Phase Qubit. IEEE Transactions on Applied Superconductivity, 2011, 21, 860-863.	1.7	3
21	Decoherence in a pair of long-lived Cooper-pair boxes. Journal of Applied Physics, 2013, 114, 094305.	2.5	3
22	Long-lived transmons with different electrode layouts. MRS Advances, 2022, 7, 273-277.	0.9	2
23	Closed cycle 4ÂK nanowatt meter for hectogram payloads. AIP Advances, 2022, 12, 065105.	1.3	0