

Benjamin Palmer

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

647
citations

759233

12
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-lived transmons with different electrode layouts. MRS Advances, 2022, 7, 273-277.	0.9	2
2	Closed cycle 4ÅK nanowatt meter for hectogram payloads. AIP Advances, 2022, 12, 065105.	1.3	0
3	Materials challenges and opportunities for quantum computing hardware. Science, 2021, 372, .	12.6	196
4	Hot electron heatsinks for microwave attenuators below 100â€‰mK. Applied Physics Letters, 2019, 114, 152602.	3.3	5
5	Implementation of a generalized controlled-NOT gate between fixed-frequency transmons. Physical Review A, 2019, 99, .	2.5	13
6	Microwave photon Fock state generation by stimulated Raman adiabatic passage. Nature Communications, 2017, 8, 14148.	12.8	43
7	Characterization of coherent population-trapped states in a circuit-QED $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \hat{\rho} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ system. Physical Review A, 2017, 96, .	2.5	4
8	Microwave attenuators for use with quantum devices below 100 mK. Journal of Applied Physics, 2017, 121, .	2.5	52
9	Fabrication artifacts and parallel loss channels in metamorphic epitaxial aluminum superconducting resonators. Superconductor Science and Technology, 2016, 29, 064003.	3.5	30
10	Raman coherence in a circuit quantum electrodynamics lambda system. Nature Physics, 2016, 12, 75-79.	16.7	45
11	Nonlinear microwave photon occupancy of a driven resonator strongly coupled to a transmon qubit. Physical Review A, 2015, 92, .	2.5	13
12	Spectroscopy of a Cooper-pair box coupled to a two-level system via charge and critical current. Physical Review B, 2013, 87, .	3.2	13
13	Decoherence in a pair of long-lived Cooper-pair boxes. Journal of Applied Physics, 2013, 114, 094305.	2.5	3
14	Observation of Autler-Townes effect in a dispersively dressed Jaynes-Cummings system. New Journal of Physics, 2013, 15, 125007.	2.9	25
15	Autler-Townes splitting in a three-dimensional transmon superconducting qubit. Physical Review B, 2013, 88, .	3.2	48
16	Anomalous Switching Curves in a dc SQUID Phase Qubit. IEEE Transactions on Applied Superconductivity, 2011, 21, 860-863.	1.7	3
17	Decoupling a Cooper-Pair Box to Enhance the Lifetime to 0.2Åms. Physical Review Letters, 2011, 106, 120501.	7.8	63
18	Thin-film superconducting resonator tunable to the ground-state hyperfine splitting of 87Rb. AIP Advances, 2011, 1, .	1.3	15

#	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 avoided level crossings in a Cooper-pair box spectrum. Physical Review B, 2008, 78, .	3.2	43
21	Steady-state thermodynamics of nonequilibrium quasiparticles in a Cooper-pair box. Physical Review B, 2007, 76, .	3.2	21
22	Current density and forces for a current loop moving parallel over a thin conducting sheet. European Journal of Physics, 2004, 25, 655-666.	0.6	4
23	Scanning eddy current dynamometer with 100 $\hat{1}$ / ₄ m resolution. Review of Scientific Instruments, 2000, 71, 3168-3172.	1.3	3