Alexander Rimberg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8825740/publications.pdf

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18	714	840728 11	839512 18
papers	citations	h-index	g-index

18	18	18	732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-time detection of electron tunnelling in a quantum dot. Nature, 2003, 423, 422-425.	27.8	348
2	Universal Quantum Fluctuations of a Cavity Mode Driven by a Josephson Junction. Physical Review Letters, 2013, 111, 247001.	7.8	60
3	A cavity-Cooper pair transistor scheme for investigating quantum optomechanics in the ultra-strong coupling regime. New Journal of Physics, 2014, 16, 055008.	2.9	59
4	Realization of a single-Cooper-pair Josephson laser. Physical Review B, 2014, 90, .	3.2	54
5	Introduction of a dc bias into a high-Q superconducting microwave cavity. Applied Physics Letters, 2011, 98, .	3.3	36
6	Measurement of quantum noise in a single-electron transistor near the quantum limit. Nature Physics, 2009, 5, 660-664.	16.7	31
7	Pauli spin blockade and lifetime-enhanced transport in a Si/SiGe double quantum dot. Physical Review B, 2010, 82, .	3.2	23
8	Mechanically generating entangled photons from the vacuum: A microwave circuit-acoustic resonator analog of the oscillatory Unruh effect. Physical Review A, 2019, 99, .	2.5	21
9	Si/SiGe quantum dot with superconducting single-electron transistor charge sensor. Applied Physics Letters, 2011, 98, 142104.	3.3	13
10	Iterative solutions to the steady-state density matrix for optomechanical systems. Physical Review E, 2015, 91, 013307.	2.1	12
11	Charge transport processes in a superconducting single-electron transistor coupled to a microstrip transmission line. Physical Review B, 2002, 65, .	3.2	11
12	Charge sensing in a Si/SiGe quantum dot with a radio frequency superconducting single-electron transistor. Applied Physics Letters, 2012, 101, .	3.3	11
13	Quantum dynamics of a Josephson junction driven cavity mode system in the presence of voltage bias noise. Physical Review B, 2017, 96, .	3.2	10
14	Frequency Fluctuations in Tunable and Nonlinear Microwave Cavities. Physical Review Applied, 2020, 14, .	3.8	8
15	Nonlinear Charge- and Flux-Tunable Cavity Derived From an Embedded Cooper-Pair Transistor. Physical Review Applied, 2021, 15, .	3.8	7
16	Fast and Ultrasensitive Electrometer Operating at the Single-Photon Level. Physical Review Applied, 2021, 16, .	3.8	4
17	Signatures of the valley Kondo effect in Si/SiGe quantum dots. Physical Review B, 2014, 90, .	3.2	3
18	Charge sensitivity of a cavity-embedded Cooper pair transistor limited by single-photon shot noise. Journal of Applied Physics, 2021, 130, 114401.	2.5	3