

Alexander Rimberg

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.

17
papers

593
citations

10
h-index

18
g-index

18
ext. papers

676
ext. citations

6.7
avg, IF

3.35
L-index

#	Paper	IF	Citations
17	Real-time detection of electron tunnelling in a quantum dot. <i>Nature</i> , 2003 , 423, 422-5	50.4	311
16	Realization of a single-Cooper-pair Josephson laser. <i>Physical Review B</i> , 2014 , 90,	3.3	47
15	Universal quantum fluctuations of a cavity mode driven by a Josephson junction. <i>Physical Review Letters</i> , 2013 , 111, 247001	7.4	47
14	A cavity-Cooper pair transistor scheme for investigating quantum optomechanics in the ultra-strong coupling regime. <i>New Journal of Physics</i> , 2014 , 16, 055008	2.9	45
13	Introduction of a dc bias into a high-Q superconducting microwave cavity. <i>Applied Physics Letters</i> , 2011 , 98, 132509	3.4	33
12	Measurement of quantum noise in a single-electron transistor near the quantum limit. <i>Nature Physics</i> , 2009 , 5, 660-664	16.2	28
11	Pauli spin blockade and lifetime-enhanced transport in a Si/SiGe double quantum dot. <i>Physical Review B</i> , 2010 , 82,	3.3	18
10	Si/SiGe quantum dot with superconducting single-electron transistor charge sensor. <i>Applied Physics Letters</i> , 2011 , 98, 142104	3.4	13
9	Mechanically generating entangled photons from the vacuum: A microwave circuit-acoustic resonator analog of the oscillatory Unruh effect. <i>Physical Review A</i> , 2019 , 99,	2.6	12
8	Charge transport processes in a superconducting single-electron transistor coupled to a microstrip transmission line. <i>Physical Review B</i> , 2002 , 65,	3.3	11
7	Iterative solutions to the steady-state density matrix for optomechanical systems. <i>Physical Review E</i> , 2015 , 91, 013307	2.4	9
6	Charge sensing in a Si/SiGe quantum dot with a radio frequency superconducting single-electron transistor. <i>Applied Physics Letters</i> , 2012 , 101, 142103	3.4	8
5	Quantum dynamics of a Josephson junction driven cavity mode system in the presence of voltage bias noise. <i>Physical Review B</i> , 2017 , 96,	3.3	4
4	Signatures of the valley Kondo effect in Si/SiGe quantum dots. <i>Physical Review B</i> , 2014 , 90,	3.3	3
3	Frequency Fluctuations in Tunable and Nonlinear Microwave Cavities. <i>Physical Review Applied</i> , 2020 , 14,	4.3	2
2	Nonlinear Charge- and Flux-Tunable Cavity Derived From an Embedded Cooper-Pair Transistor. <i>Physical Review Applied</i> , 2021 , 15,	4.3	1
1	Charge sensitivity of a cavity-embedded Cooper pair transistor limited by single-photon shot noise. <i>Journal of Applied Physics</i> , 2021 , 130, 114401	2.5	0

