Alexander Rimberg

List of Publications by Year in Descending Order

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