Paul D Nation

List of Publications by Year
in descending order

12 papers	1,943 citations	933447 10 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	1983 citing authors

#	Article	IF	Citations
1	QuTiP: An open-source Python framework for the dynamics of open quantum systems. Computer Physics Communications, 2012, 183, 1760-1772.	7.5	1,143
2	*Colloquium*: Stimulating uncertainty: Amplifying the quantum vacuum with superconducting circuits. Reviews of Modern Physics, 2012, 84, 1-24.	45.6	402
3	Analogue Hawking Radiation in a dc-SQUID Array Transmission Line. Physical Review Letters, 2009, 103, 087004.	7.8	112
4	Scalable Mitigation of Measurement Errors on Quantum Computers. PRX Quantum, 2021, 2, .	9.2	79
5	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
6	Nonclassical mechanical states in an optomechanical micromaser analog. Physical Review A, 2013, 88, .	2.5	43
7	Quantum analysis of a nonlinear microwave cavity-embedded dc SQUID displacement detector. Physical Review B, 2008, 78, .	3.2	34
8	The trilinear Hamiltonian: a zero-dimensional model of Hawking radiation from a quantized source. New Journal of Physics, 2010, 12, 095013.	2.9	27
9	Ultrastrong optomechanics incorporating the dynamical Casimir effect. Physical Review A, 2016, 93, .	2.5	22
10	Iterative solutions to the steady-state density matrix for optomechanical systems. Physical Review E, 2015, 91, 013307.	2.1	12
11	Non-equilibrium Landauer transport model for Hawking radiation from a black hole. New Journal of Physics, 2012, 14, 033013.	2.9	9
12	Modeling biological fluorescence emission spectra using Lorentz line shapes and nonlinear optimization. Applied Optics, 2007, 46, 6192.	2.1	1