

Daniel Bothner

List of Publications by Year in Descending Order

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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.

12
papers

230
citations

8
h-index

15
g-index

15
ext. papers

321
ext. citations

9.1
avg. IF

3.23
L-index

#	Paper	IF	Citations
12	Cavity-driven Rabi oscillations between Rydberg states of atoms trapped on a superconducting atom chip. <i>Physical Review Research</i> , 2022 , 4,	3.9	1
11	Cooling photon-pressure circuits into the quantum regime. <i>Science Advances</i> , 2021 , 7, eabg6653	14.3	0
10	Photon-pressure strong coupling between two superconducting circuits. <i>Nature Physics</i> , 2021 , 17, 85-91	16.2	5
9	Cavity electromechanics with parametric mechanical driving. <i>Nature Communications</i> , 2020 , 11, 1589	17.4	11
8	Coupling microwave photons to a mechanical resonator using quantum interference. <i>Nature Communications</i> , 2019 , 10, 5359	17.4	18
7	Nature of the Lamb shift in weakly anharmonic atoms: From normal-mode splitting to quantum fluctuations. <i>Physical Review A</i> , 2018 , 98,	2.6	8
6	Improving Superconducting Resonators in Magnetic Fields by Reduced Field Focussing and Engineered Flux Screening. <i>Physical Review Applied</i> , 2017 , 8,	4.3	9
5	Approaching ultrastrong coupling in transmon circuit QED using a high-impedance resonator. <i>Physical Review B</i> , 2017 , 95,	3.3	20
4	Multi-mode ultra-strong coupling in circuit quantum electrodynamics. <i>Npj Quantum Information</i> , 2017 , 3,	8.6	48
3	Coupling ultracold atoms to a superconducting coplanar waveguide resonator. <i>Nature Communications</i> , 2017 , 8, 2254	17.4	31
2	Manipulation and coherence of ultra-cold atoms on a superconducting atom chip. <i>Nature Communications</i> , 2013 , 4, 2380	17.4	65
1	Inductively coupled superconducting half wavelength resonators as persistent current traps for ultracold atoms. <i>New Journal of Physics</i> , 2013 , 15, 093024	2.9	14