

# Luke Caldwell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3596789/publications.pdf>

Version: 2024-02-01

13  
papers

695  
citations

933447

10  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopy on the electron-electric-dipole-moment sensitive states of $\text{ThF}^+$ . Physical Review A, 2022, 105, .	2.5	7
2	Evidence of Two-Source King Plot Nonlinearity in Spectroscopic Search for New Boson. Physical Review Letters, 2022, 128, 163201.	7.8	16
3	General approach to state-dependent optical-tweezer traps for polar molecules. Physical Review Research, 2021, 3, .	3.6	4
4	Collisions between Ultracold Molecules and Atoms in a Magnetic Trap. Physical Review Letters, 2021, 126, 153401.	7.8	31
5	Enhancing Dipolar Interactions between Molecules Using State-Dependent Optical Tweezer Traps. Physical Review Letters, 2020, 125, 243201.	7.8	12
6	Long Rotational Coherence Times of Molecules in a Magnetic Trap. Physical Review Letters, 2020, 124, 063001.	7.8	28
7	Sideband cooling of molecules in optical traps. Physical Review Research, 2020, 2, .	3.6	30
8	Deep Laser Cooling and Efficient Magnetic Compression of Molecules. Physical Review Letters, 2019, 123, 033202.	7.8	58
9	Ultracold molecules for quantum simulation: rotational coherences in CaF and RbCs. Quantum Science and Technology, 2019, 4, 014010.	5.8	96
10	Magnetic Trapping and Coherent Control of Laser-Cooled Molecules. Physical Review Letters, 2018, 120, 163201.	7.8	91
11	Molecules cooled below the Doppler limit. Nature Physics, 2017, 13, 1173-1176.	16.7	268
12	Characteristics of a magneto-optical trap of molecules. New Journal of Physics, 2017, 19, 113035.	2.9	54
13	Simulations of a vacuum window and in-beam ion detection for use in radiobiological experiments with 50 MeV particle beams. Journal of Instrumentation, 2015, 10, T05007-T05007.	1.2	0