

# Benjamin L Augenbraun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9253948/publications.pdf>

Version: 2024-02-01

19  
papers

1,295  
citations

567247

15  
h-index

794568

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sisyphus Laser Cooling of a Polyatomic Molecule. Physical Review Letters, 2017, 118, 173201.	7.8	193
2	Radio Frequency Magneto-Optical Trapping of CaF with High Density. Physical Review Letters, 2017, 119, 103201.	7.8	172
3	Laser cooling of optically trapped molecules. Nature Physics, 2018, 14, 890-893.	16.7	172
4	3D Magneto-Optical Trap of Yttrium Monoxide. Physical Review Letters, 2018, 121, 213201.	7.8	137
5	Direct laser cooling of a symmetric top molecule. Science, 2020, 369, 1366-1369.	12.6	114
6	Laser-cooled polyatomic molecules for improved electron electric dipole moment searches. New Journal of Physics, 2020, 22, 022003.	2.9	104
7	$\hat{\lambda}$ -Enhanced Imaging of Molecules in an Optical Trap. Physical Review Letters, 2018, 121, 083201.	7.8	93
8	1D Magneto-Optical Trap of Polyatomic Molecules. Physical Review Letters, 2020, 124, 133201.	7.8	69
9	Molecular Asymmetry and Optical Cycling: Laser Cooling Asymmetric Top Molecules. Physical Review X, 2020, 10, .	8.9	43
10	Assessment and mitigation of aerosol airborne SARS-CoV-2 transmission in laboratory and office environments. Journal of Occupational and Environmental Hygiene, 2020, 17, 447-456.	1.0	34
11	Accurate prediction and measurement of vibronic branching ratios for laser cooling linear polyatomic molecules. Journal of Chemical Physics, 2021, 155, 091101.	3.0	30
12	Establishing a nearly closed cycling transition in a polyatomic molecule. Physical Review A, 2021, 103, .	2.5	28
13	Franck-Condon Tuning of Optical Cycling Centers by Organic Functionalization. Physical Review Letters, 2021, 126, 123002.	7.8	26
14	Observation and laser spectroscopy of ytterbium monomethoxide, $\text{YbOCH}_3$ . Physical Review A, 2021, 103, .	2.5	22
15	Branching Ratios, Radiative Lifetimes, and Transition Dipole Moments for YbOH. Journal of Physical Chemistry A, 2020, 124, 3135-3148.	2.5	20
16	One-dimensional magneto-optical compression of a cold CaF molecular beam. New Journal of Physics, 2017, 19, 033035.	2.9	15
17	Zeeman-Sisyphus Deceleration of Molecular Beams. Physical Review Letters, 2021, 127, 263002.	7.8	14
18	Measurement of the scalar polarizability of the indium $6p_{1/2}$ state using two-step atomic-beam spectroscopy. Physical Review A, 2016, 94, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	Fast and high-yield loading of a $D^2$ magneto-optical trap of potassium from a cryogenic buffer-gas beam. Physical Review A, 2021, 104, .		