

Loic Anderegg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4446021/publications.pdf>

Version: 2024-02-01

18
papers

1,744
citations

567281

15
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Magneto-optical trapping and sub-Doppler cooling of a polyatomic molecule. <i>Nature</i> , 2022, 606, 70-74.	27.8	72
2	Heat and Humidity for Bioburden Reduction of N95 Filtering Facepiece Respirators. <i>Applied Biosafety</i> , 2021, 26, 80-89.	0.5	5
3	Observation of microwave shielding of ultracold molecules. <i>Science</i> , 2021, 373, 779-782.	12.6	69
4	Device for Suppression of Aerosol Transfer in Close Proximity Settings. <i>Covid</i> , 2021, 1, 394-402.	1.5	0
5	Rotational Coherence Times of Polar Molecules in Optical Tweezers. <i>Physical Review Letters</i> , 2021, 127, 123202.	7.8	41
6	Observation of Collisions between Two Ultracold Ground-State CaF Molecules. <i>Physical Review Letters</i> , 2020, 125, 043401.	7.8	65
7	Direct laser cooling of a symmetric top molecule. <i>Science</i> , 2020, 369, 1366-1369.	12.6	114
8	A scalable method of applying heat and humidity for decontamination of N95 respirators during the COVID-19 crisis. <i>PLoS ONE</i> , 2020, 15, e0234851.	2.5	52
9	An optical tweezer array of ultracold molecules. <i>Science</i> , 2019, 365, 1156-1158.	12.6	200
10	3D Magneto-Optical Trap of Yttrium Monoxide. <i>Physical Review Letters</i> , 2018, 121, 213201.	7.8	137
11	Imaging the nanoscale phase separation in vanadium dioxide thin films at terahertz frequencies. <i>Nature Communications</i> , 2018, 9, 3604.	12.8	79
12	Laser cooling of optically trapped molecules. <i>Nature Physics</i> , 2018, 14, 890-893.	16.7	172
13	$\hat{\rho}$ -Enhanced Imaging of Molecules in an Optical Trap. <i>Physical Review Letters</i> , 2018, 121, 083201.	7.8	93
14	One-dimensional magneto-optical compression of a cold CaF molecular beam. <i>New Journal of Physics</i> , 2017, 19, 033035.	2.9	15
15	Radio Frequency Magneto-Optical Trapping of CaF with High Density. <i>Physical Review Letters</i> , 2017, 119, 103201.	7.8	172
16	Sisyphus Laser Cooling of a Polyatomic Molecule. <i>Physical Review Letters</i> , 2017, 118, 173201.	7.8	193
17	Nanotextured phase coexistence in the correlated insulator V2O3. <i>Nature Physics</i> , 2017, 13, 80-86.	16.7	172
18	Laser slowing of CaF molecules to near the capture velocity of a molecular MOT. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 174001.	1.5	75