## Emulating optical cycling centers in polyatomic molecu

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Citation Report

#	Article	IF	CITATIONS
1	Optical cycling, radiative deflection and laser cooling of barium monohydride ( <sup>138</sup> Ba <sup>1</sup> H). New Journal of Physics, 2020, 22, 083047.	2.9	26
2	Towards accurate prediction for laser-coolable molecules: relativistic coupled-cluster calculations for yttrium monoxide and prospects for improving its laser cooling efficiencies. Physical Chemistry Chemical Physics, 2020, 22, 26167-26177.	2.8	10
3	Molecular Asymmetry and Optical Cycling: Laser Cooling Asymmetric Top Molecules. Physical Review X, 2020, 10, .	8.9	43
4	Long-Range N–N Bonding by Rydberg Electrons. Journal of Physical Chemistry Letters, 2020, 11, 2284-2290.	4.6	8
5	Two Cycling Centers in One Molecule: Communication by Through-Bond Interactions and Entanglement of the Unpaired Electrons. Journal of Physical Chemistry Letters, 2020, 11, 1297-1304.	4.6	25
6	Laser-cooled molecules. Advances in Atomic, Molecular and Optical Physics, 2021, , 157-262.	2.3	37
7	Enhanced sensitivity to ultralight bosonic dark matter in the spectra of the linear radical SrOH. Physical Review A, 2021, 103, .	2.5	26
8	Accurate prediction and measurement of vibronic branching ratios for laser cooling linear polyatomic molecules. Journal of Chemical Physics, 2021, 155, 091101.	3.0	30
9	Polyatomic molecules as quantum sensors for fundamental physics. Quantum Science and Technology, 2020, 5, 044011.	5.8	54
10	Prospects for laser cooling of polyatomic molecules with increasing complexity. Physical Review Research, 2020, 2, .	3.6	32
11	Full-dimensional quantum scattering calculations on ultracold atom-molecule collisions in magnetic fields: The role of molecular vibrations. Physical Review Research, 2020, 2, .	3.6	7
12	High Phase-Space Density of Laser-Cooled Molecules in an Optical Lattice. Physical Review Letters, 2021, 127, 263201.	7.8	26
13	A combined experimental and computational study on the transition of the calcium isopropoxide radical as a candidate for direct laser cooling. Physical Chemistry Chemical Physics, 2022, 24, 8749-8762.	2.8	2
14	Geometry optimizations with spinor-based relativistic coupled-cluster theory. Journal of Chemical Physics, 2022, 156, 151101.	3.0	5
15	Multivalent optical cycling centers: towards control of polyatomics with multi-electron degrees of freedom. Physical Chemistry Chemical Physics, 2022, 25, 154-170.	2.8	3
16	Zwitterions Functionalized by Optical Cycling Centers: Toward Laser-Coolable Polyatomic Molecular Cations. Journal of Physical Chemistry Letters, 2023, 14, 5784-5790.	4.6	1
17	Intensity-Borrowing Mechanisms Pertinent to Laser Cooling of Linear Polyatomic Molecules. Journal of Chemical Theory and Computation, 2023, 19, 4136-4148.	5.3	6
18	Ab initio potential energy surfaces and spectroscopic and radiative properties of the low-lying states of the radium monohydroxide RaOH radical. Journal of Quantitative Spectroscopy and Radiative Transfer, 2024, 314, 108852.	2.3	0