James R Cheeseman

List of Publications by Year
in descending order

12	1,101	1040056 9	1281871 11
papers	citations	h-index	g-index

13	13	13	807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Basis Set Dependence of Optical Rotation Calculations with Different Choices of Gauge. Journal of Physical Chemistry A, 2022, 126, 1861-1870.	2.5	5
2	Unusual binary aggregates of perylene bisimide revealed by their electronic transitions in helium nanodroplets and DFT calculations. Physical Chemistry Chemical Physics, 2021, 23, 13862-13872.	2.8	1
3	Computational molecular spectroscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	73
4	Can One Measure Resonance Raman Optical Activity?. Angewandte Chemie - International Edition, 2021, 60, 22004-22009.	13.8	18
5	Can One Measure Resonance Raman Optical Activity?. Angewandte Chemie, 2021, 133, 22175-22180.	2.0	0
6	Conformational dynamics of carbohydrates: Raman optical activity of <scp>d</scp>-glucuronic acid and N-acetyl-<scp>d</scp>-glucosamine using a combined molecular dynamics and quantum chemical approach. Physical Chemistry Chemical Physics, 2015, 17, 6016-6027.	2.8	38
7	Basis Set Dependence of Vibrational Raman and Raman Optical Activity Intensities. Journal of Chemical Theory and Computation, 2011, 7, 3323-3334.	5.3	128
8	Nonresonant Optical Activity of Isolated Organic Molecules. Journal of Physical Chemistry A, 2005, 109, 11752-11764.	2.5	110
9	Coupled-cluster calculations of optical rotation. Chemical Physics Letters, 2003, 373, 606-614.	2.6	138
10	Conformational Effects on Optical Rotation. 3-Substituted 1-Butenes. Journal of the American Chemical Society, 2003, 125, 1888-1896.	13.7	110
11	Cavity ring-down polarimetry (CRDP): theoretical and experimental characterization. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 125.	2.1	88
12	Hartreeâ^'Fock and Density Functional Theory ab Initio Calculation of Optical Rotation Using GIAOs:â€‰ Basis Set Dependence. Journal of Physical Chemistry A, 2000, 104, 1039-1046.	2.5	264