

James R Cheeseman

List of Publications by Year in descending order

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12
papers

1,101
citations

1040056

9
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

807
citing authors

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