Whitney Morgan

List of Publications by Year
in descending order

13	217	1307594	1125743
papers	citations	7	13
		h-index	g-index

13	13	13	202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vibrational analysis of the ubiquitous interstellar molecule cyclopropenylidene (c-C₃H₂): the importance of numerical stability. Molecular Physics, 2020, 118, e1589007.	1.7	7
2	Sulfurous and sulfonic acids: Predicting the infrared spectrum and setting the surface straight. Journal of Chemical Physics, 2020, 152, 024302.	3.0	8
3	A remarkable case of basis set dependence: the false convergence patterns of the methyl anion. Molecular Physics, 2019, 117, 1069-1077.	1.7	3
4	Geometric Energy Derivatives at the Complete Basis Set Limit: Application to the Equilibrium Structure and Molecular Force Field of Formaldehyde. Journal of Chemical Theory and Computation, 2018, 14, 1333-1350.	5.3	41
5	Astrophysical sulfur in diffuse and dark clouds: The fundamental vibrational frequencies and spectroscopic constants of hydrogen sulfide cation (H2S+). Monthly Notices of the Royal Astronomical Society, 2018, 480, 3483-3490.	4.4	7
6	Thioformaldehyde S-Sulfide, Sulfur Analogue of the Criegee Intermediate: Structures, Energetics, and Rovibrational Analysis. Journal of Physical Chemistry A, 2017, 121, 998-1006.	2.5	6
7	Radicals derived from acetaldehyde and vinyl alcohol. Physical Chemistry Chemical Physics, 2017, 19, 27275-27287.	2.8	6
8	ArH2+ and NeH2+ as global minima in the Ar+/Ne+Â+ÂH2 reactions: energetic, spectroscopic, and structural data. Monthly Notices of the Royal Astronomical Society, 2015, 446, 195-204.	4.4	31
9	Theoretical Rovibronic Treatment of the XÌƒ ²Î£⁺ and Ãƒ ²Î State of C₂H and the XÌƒ ¹Î£⁺ State of C₂H^{â€“} from Quartic Force Fields. Journal of Physical Chemistry A, 2015, 119, 7013-7025.	2.5	34
10	Additional diffuse functions in basis sets for dipole-bound excited states of anions. Theoretical Chemistry Accounts, 2015, 134, 1.	1.4	26
11	Quartic force fields for excited electronic states: Rovibronic reference data for the 1 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si245.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup><mml:msup><mml:mrow><mml:mi>A</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math> and 1 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si246.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup><mml:msup><mml:mrow><mml:mi>A</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math> states of C2H2+. Spectrochimica Acta - Part A: Molecular and Bio	2.9	30
12	Predictable Valence Excited States of Anions. Journal of Physical Chemistry A, 2014, 118, 10763-10769.	2.5	13
13	Hydration of 5-Oxo-1-Alkynes by a One-Pot Oxy-Iodination/Reduction Sequence: Synthesis of Methyl Ketones with Anchimeric Assistance. Current Organic Synthesis, 2014, 11, 466-470.	1.3	4