Mychel E Varner

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1262386/publications.pdf

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19	902	623734 14	794594 19
papers	citations	h-index	g-index

20	20	20	1233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Concerted transfer of multiple protons in acidâ€“water clusters: [(HCl)(H₂O)]₂ and [(HF)(H₂O)]₄. Physical Chemistry Chemical Physics, 2017, 19, 20641-20646.	2.8	3
2	Reactions of Methanesulfonic Acid with Amines and Ammonia as a Source of New Particles in Air. Journal of Physical Chemistry B, 2016, 120, 1526-1536.	2.6	115
3	Computational Studies of Atmospherically-Relevant Chemical Reactions in Water Clusters and on Liquid Water and Ice Surfaces. Accounts of Chemical Research, 2015, 48, 399-406.	15.6	89
4	New particle formation and growth from methanesulfonic acid, trimethylamine and water. Physical Chemistry Chemical Physics, 2015, 17, 13699-13709.	2.8	88
5	Amineâ€“Amine Exchange in Aminiumâ€“Methanesulfonate Aerosols. Journal of Physical Chemistry C, 2014, 118, 29431-29440.	3.1	31
6	Raman spectroscopy of solutions and interfaces containing nitrogen dioxide, water, and 1,4 dioxane: Evidence for repulsion of surface water by NO2 gas. Journal of Chemical Physics, 2014, 140, 184702.	3.0	3
7	Reaction of a charge-separated ONONO2 species with water in the formation of HONO: an MP2 Molecular Dynamics study. Physical Chemistry Chemical Physics, 2014, 16, 4483.	2.8	31
8	Ab initio and semi-empirical Molecular Dynamics simulations of chemical reactions in isolated molecules and in clusters. Physical Chemistry Chemical Physics, 2014, 16, 9760-9775.	2.8	35
9	Nitrogen dioxide at the airâ€“water interface: trapping, absorption, and solvation in the bulk and at the surface. Physical Chemistry Chemical Physics, 2013, 15, 204-212.	2.8	33
10	Photooxidation of Ammonia on TiO₂ as a Source of NO and NO₂ under Atmospheric Conditions. Journal of the American Chemical Society, 2013, 135, 8606-8615.	13.7	72
11	Simplified mechanism for new particle formation from methanesulfonic acid, amines, and water via experiments and ab initio calculations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18719-18724.	7.1	173
12	Isomerization and ionization of N2O4 on model ice and silica surfaces. Chemical Physics, 2012, 405, 52-59.	1.9	13
13	Dissociation Energy of the HOOO Radical. Journal of Physical Chemistry A, 2009, 113, 11238-11241.	2.5	46
14	On the geometry of the HO3 radical. Chemical Physics, 2008, 346, 53-55.	1.9	32
15	Vibrational overtone spectrum of matrix isolated cis, cis-HOONO. Journal of Chemical Physics, 2007, 126, 174308.	3.0	10
16	Molecular dynamics simulations of human Formula: the role of modified bases in mRNA recognition. Nucleic Acids Research, 2006, 34, 5361-5368.	14.5	37
17	A comparison of experimental and calculated spectra of HNO3 in the near-infrared using Fourier transform infrared spectroscopy and vibrational perturbation theory. Journal of Chemical Physics, 2006, 124, 124323.	3.0	33
18	Propargyl Radical:â€‰ Ab Initio Anharmonic Modes and the Polarized Infrared Absorption Spectra of Matrix-Isolated HCCCH2. Journal of Physical Chemistry A, 2005, 109, 3812-3821.	2.5	55

#	Article	IF	Citations
19	Oxidation mechanism of ammonia in water clusters. Molecular Physics, 0, , .	1.7	0