Keith T Kuwata

List of Publications by Year
in descending order

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19 papers	1,003 citations	516710 16 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	953 citing authors

#	Article	IF	Citations
1	Computational Studies of the Isomerization and Hydration Reactions of Acetaldehyde Oxide and Methyl Vinyl Carbonyl Oxide. Journal of Physical Chemistry A, 2010, 114, 9192-9204.	2.5	117
2	Reaction of Criegee Intermediates with Water VaporAn Additional Source of OH Radicals in Alkene Ozonolysis?. Journal of Physical Chemistry A, 2003, 107, 6176-6182.	2.5	103
3	The Pressure Dependence of the OH Radical Yield from Ozoneâ^'Alkene Reactions. Journal of Physical Chemistry A, 2000, 104, 7821-7833.	2.5	89
4	Drug-Excipient Interactions: Effect on Molecular Mobility and Physical Stability of Ketoconazoleâ€"Organic Acid Coamorphous Systems. Molecular Pharmaceutics, 2018, 15, 1052-1061.	4.6	81
5	Production of stabilized Criegee intermediates and peroxides in the gas phase ozonolysis of alkenes: 2. Asymmetric and biogenic alkenes. Journal of Geophysical Research, 2001, 106, 34143-34153.	3.3	80
6	OH Radical Yields from the Ozone Reaction with Cycloalkenes. Journal of Physical Chemistry A, 2000, 104, 7246-7254.	2.5	64
7	A Computational Re-examination of the Criegee Intermediateâ€"Sulfur Dioxide Reaction. Journal of Physical Chemistry A, 2015, 119, 10316-10335.	2.5	60
8	Theoretical studies of the reaction of hydroperoxy radicals (HO2) with ethyl peroxy (CH3CH2O2), acetyl peroxy (CH3C(O)O2), and acetonyl peroxy (CH3C(O)CH2O2) radicals. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 176, 218-230.	3.9	57
9	Quantum Chemical and Master Equation Studies of the Methyl Vinyl Carbonyl Oxides Formed in Isoprene Ozonolysis. Journal of Physical Chemistry A, 2005, 109, 10710-10725.	2.5	56
10	Mechanism of the Intramolecular Hexadehydro-Dielsâ€"Alder Reaction. Journal of Organic Chemistry, 2015, 80, 11744-11754.	3.2	49
11	Synthesis of Ethers via Reaction of Carbanions and Monoperoxyacetals. Journal of Organic Chemistry, 2015, 80, 12100-12114.	3.2	47
12	Quantum Chemical and Master Equation Simulations of the Oxidation and Isomerization of Vinoxy Radicals. Journal of Physical Chemistry A, 2005, 109, 2514-2524.	2.5	43
13	Computational Studies of the Chemistry of Syn Acetaldehyde Oxide. Journal of Physical Chemistry A, 2003, 107, 11525-11532.	2.5	37
14	Computational Studies of Intramolecular Hydrogen Atom Transfers in the Î²-Hydroxyethylperoxy and Î²-Hydroxyethoxy Radicals. Journal of Physical Chemistry A, 2007, 111, 5032-5042.	2.5	37
15	Quantum chemical and RRKM/master equation studies of isoprene ozonolysis: Methacrolein and methacrolein oxide. Chemical Physics Letters, 2008, 451, 186-191.	2.6	37
16	Quantum Chemical and Statistical Rate Theory Studies of the Vinyl Hydroperoxides Formed in trans-2-Butene and 2,3-Dimethyl-2-butene Ozonolysis. Journal of Physical Chemistry A, 2018, 122, 2485-2502.	2.5	24
17	Quantum chemical and RRKM/master equation studies of cyclopropene ozonolysis. Computational and Theoretical Chemistry, 2011, 965, 305-312.	2.5	13
18	Measurement of the Compressibility Factor of Gases: A Physical Chemistry Laboratory Experiment. Journal of Chemical Education, 2011, 88, 1166-1169.	2.3	6

#	Article	IF	Citations
19	Improved Computational Modeling of the Kinetics of the Acetylperoxy + HO₂ Reaction. Faraday Discussions, 0, , .	3.2	0