

Max R McGillen

List of Publications by Year in descending order

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44
papers

1,167
citations

394421

19
h-index

414414

32
g-index

45
all docs

45
docs citations

45
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	Criegee Intermediateâ€“Alcohol Reactions, A Potential Source of Functionalized Hydroperoxides in the Atmosphere. ACS Earth and Space Chemistry, 2017, 1, 664-672.	2.7	104
2	Criegee Intermediate Reactions with Carboxylic Acids: A Potential Source of Secondary Organic Aerosol in the Atmosphere. ACS Earth and Space Chemistry, 2018, 2, 833-842.	2.7	102
3	Structural Analysis of Oligomeric Molecules Formed from the Reaction Products of Oleic Acid Ozonolysis. Environmental Science & Technology, 2006, 40, 6674-6681.	10.0	69
4	Temperatureâ€“Dependence of the Rates of Reaction of Trifluoroacetic Acid with Criegee Intermediates. Angewandte Chemie - International Edition, 2017, 56, 9044-9047.	13.8	62
5	Airborne observations of formic acid using a chemical ionization mass spectrometer. Atmospheric Measurement Techniques, 2012, 5, 3029-3039.	3.1	61
6	Atmospheric transformation of enols: A potential secondary source of carboxylic acids in the urban troposphere. Geophysical Research Letters, 2007, 34, .	4.0	55
7	Database for the kinetics of the gas-phase atmospheric reactions of organic compounds. Earth System Science Data, 2020, 12, 1203-1216.	9.9	50
8	Experimental and computational studies of Criegee intermediate reactions with NH ₃ and CH ₃ NH ₂ . Physical Chemistry Chemical Physics, 2019, 21, 14042-14052.	2.8	46
9	Acid-yield measurements of the gas-phase ozonolysis of ethene as a function of humidity using Chemical Ionisation Mass Spectrometry (CIMS). Atmospheric Chemistry and Physics, 2012, 12, 469-479.	4.9	44
10	Structureâ€“activity relationship (SAR) for the gas-phase ozonolysis of aliphatic alkenes and dialkenes. Physical Chemistry Chemical Physics, 2008, 10, 1757.	2.8	42
11	Gas-Phase Rate Coefficients for the OH + <i>n</i> -, <i>i</i> -, <i>s</i> -, and <i>t</i> -Butanol Reactions Measured Between 220 and 380 K: Non-Arrhenius Behavior and Site-Specific Reactivity. Journal of Physical Chemistry A, 2013, 117, 4636-4656.	2.5	42
12	Ethylenediurea (EDU) mitigates the negative effects of ozone in rice: Insights into its mode of action. Plant, Cell and Environment, 2018, 41, 2882-2898.	5.7	36
13	Is hydrogen abstraction an important pathway in the reaction of alkenes with the OH radical?. Physical Chemistry Chemical Physics, 2007, 9, 4349.	2.8	35
14	An experimental study of incongruent dissolution of CaCO ₃ under analogue glacial conditions. Journal of Glaciology, 2005, 51, 383-390.	2.2	33
15	Structureâ€“activity relationship (SAR) for the prediction of gas-phase ozonolysis rate coefficients: an extension towards heteroatomic unsaturated species. Physical Chemistry Chemical Physics, 2011, 13, 2842-2849.	2.8	31
16	Ozonolysis of organic compounds and mixtures in solution. Part I: Oleic, maleic, nonanoic and benzoic acids. Physical Chemistry Chemical Physics, 2009, 11, 1427.	2.8	28
17	Temperature-dependent ozonolysis kinetics of selected alkenes in the gas phase: an experimental and structureâ€“activity relationship (SAR) study. Physical Chemistry Chemical Physics, 2010, 12, 2935.	2.8	28
18	The role of ortho, meta, para isomerism in measured solid state and derived sub-cooled liquid vapour pressures of substituted benzoic acids. RSC Advances, 2012, 2, 4430.	3.6	23

#	ARTICLE	IF	CITATIONS
37	An atmospheric photochemical source of the persistent greenhouse gas CF ₄ . Geophysical Research Letters, 2015, 42, 9505-9511.	4.0	7
38	Kinetic and product studies of the reactions of NO ₃ with a series of unsaturated organic compounds. Journal of Environmental Sciences, 2020, 95, 111-120.	6.1	7
39	Gas-phase photodissociation of CF ₃ C(O)Cl between 193 and 280 nm. Chemical Physics Letters, 2015, 639, 189-194.	2.6	6
40	Temperature Dependence of the Rates of Reaction of Trifluoroacetic Acid with Criegee Intermediates. Angewandte Chemie, 2017, 129, 9172-9175.	2.0	5
41	Gas-Phase Rate Coefficient of OH + 1,2-Epoxybutane Determined between 220 and 950 K. ACS Earth and Space Chemistry, 2021, 5, 960-968.	2.7	5
42	FC(O)C(O)F, FC(O)CF ₂ C(O)F, and FC(O)CF ₂ CF ₂ C(O)F: Ultraviolet and Infrared Absorption Spectra and 248 nm Photolysis Products. Journal of Physical Chemistry A, 2020, 124, 7123-7133.	2.5	3
43	Gas-phase rate coefficient of OH + Cyclohexene oxide measured from 251 to 373 K. Chemical Physics Letters, 2021, 783, 139056.	2.6	3
44	Atmospheric chemistry processes: general discussion. Faraday Discussions, 2017, 200, 353-378.	3.2	0