Andrew R Rickard

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Seasonality of isoprene emissions and oxidation products above the remote Amazon. Environmental Science Atmospheres, 2022, 2, 230-240.	0.9	4
2	Estimation of mechanistic parameters in the gas-phase reactions of ozone with alkenes for use in automated mechanism construction. Atmospheric Chemistry and Physics, 2022, 22, 6167-6195.	1.9	5
3	Sources of non-methane hydrocarbons in surface air in Delhi, India. Faraday Discussions, 2021, 226, 409-431.	1.6	23
4	Comprehensive organic emission profiles, secondary organic aerosol production potential, and OH reactivity of domestic fuel combustion in Delhi, India. Environmental Science Atmospheres, 2021, 1, 104-117.	0.9	11
5	Key Role of NO₃ Radicals in the Production of Isoprene Nitrates and Nitrooxyorganosulfates in Beijing. Environmental Science & Technology, 2021, 55, 842-853.	4.6	18
6	Emissions of non-methane volatile organic compounds from combustion of domestic fuels in Delhi, India. Atmospheric Chemistry and Physics, 2021, 21, 2383-2406.	1.9	29
7	Emissions of intermediate-volatility and semi-volatile organic compounds from domestic fuels used in Delhi, India. Atmospheric Chemistry and Physics, 2021, 21, 2407-2426.	1.9	33
8	Importance of Oxidants and Temperature in the Formation of Biogenic Organosulfates and Nitrooxy Organosulfates. ACS Earth and Space Chemistry, 2021, 5, 2291-2306.	1.2	13
9	In situ ozone production is highly sensitive to volatile organic compounds in Delhi, India. Atmospheric Chemistry and Physics, 2021, 21, 13609-13630.	1.9	28
10	Emission estimates and inventories of non-methane volatile organic compounds from anthropogenic burning sources in India. Atmospheric Environment: X, 2021, 11, 100115.	0.8	6
11	Aromatic Photo-oxidation, A New Source of Atmospheric Acidity. Environmental Science & Technology, 2020, 54, 7798-7806.	4.6	43
12	Trends in stabilisation of Criegee intermediates from alkene ozonolysis. Physical Chemistry Chemical Physics, 2020, 22, 13698-13706.	1.3	16
13	AtChem (version 1), an open-source box model for the Master Chemical Mechanism. Geoscientific Model Development, 2020, 13, 169-183.	1.3	42
14	Estimation of rate coefficients for the reactions of O₃ with unsaturated organic compounds for use in automated mechanism construction. Atmospheric Chemistry and Physics, 2020, 20, 12921-12937.	1.9	15
15	Estimation of rate coefficients and branching ratios for reactions of organic peroxy radicals for use in automated mechanism construction. Atmospheric Chemistry and Physics, 2019, 19, 7691-7717.	1.9	70
16	Photochemistry of 2-butenedial and 4-oxo-2-pentenal under atmospheric boundary layer conditions. Physical Chemistry Chemical Physics, 2019, 21, 1160-1171.	1.3	13
17	The CRI v2.2 reduced degradation scheme for isoprene. Atmospheric Environment, 2019, 212, 172-182.	1.9	29
18	Ozonolysis of <i>Î±</i>-phellandrene â€“ PartÂ2: Compositional analysis of secondary organic aerosol highlights the role of stabilised Criegee intermediates. Atmospheric Chemistry and Physics, 2018, 18, 4673-4693.	1.9	11

#	Article	IF	Citations
19	Estimation of rate coefficients and branching ratios for gas-phase reactions of OH with aliphatic organic compounds for use in automated mechanism construction. Atmospheric Chemistry and Physics, 2018, 18, 9297-9328.	1.9	48
20	Estimation of rate coefficients and branching ratios for gas-phase reactions of OH with aromatic organic compounds for use in automated mechanism construction. Atmospheric Chemistry and Physics, 2018, 18, 9329-9349.	1.9	28
21	The atmospheric impacts of monoterpene ozonolysis on global stabilised Criegee intermediate budgets and SO₂ oxidation: experiment, theory and modelling. Atmospheric Chemistry and Physics, 2018, 18, 6095-6120.	1.9	36
22	Elucidating the fate of the OH-adduct in toluene oxidation under tropospheric boundary layer conditions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7856-E7857.	3.3	7
23	Atmospheric ethanol in London and the potential impacts of future fuel formulations. Faraday Discussions, 2016, 189, 105-120.	1.6	16
24	Atmospheric isoprene ozonolysis: impacts of stabilised Criegee intermediate reactions with SO₂, H₂O and dimethyl sulfide. Atmospheric Chemistry and Physics, 2015, 15, 9521-9536.	1.9	62
25	The MCM v3.3.1 degradation scheme for isoprene. Atmospheric Chemistry and Physics, 2015, 15, 11433-11459.	1.9	350
26	Insights into the Formation and Evolution of Individual Compounds in the Particulate Phase during Aromatic Photo-Oxidation. Environmental Science & Technology, 2015, 49, 13168-13178.	4.6	42
27	Kinetics of stabilised Criegee intermediates derived from alkene ozonolysis: reactions with SO2, H2O and decomposition under boundary layer conditions. Physical Chemistry Chemical Physics, 2015, 17, 4076-4088.	1.3	117
28	Online and offline mass spectrometric study of the impact of oxidation and ageing on glyoxal chemistry and uptake onto ammonium sulfate aerosols. Faraday Discussions, 2013, 165, 447.	1.6	30
29	Total radical yields from tropospheric ethene ozonolysis. Physical Chemistry Chemical Physics, 2011, 13, 11002.	1.3	90
30	Oxidation capacity of the city air of Santiago, Chile. Atmospheric Chemistry and Physics, 2009, 9, 2257-2273.	1.9	214
31	Gas phase precursors to anthropogenic secondary organic aerosol: detailed observations of 1,3,5-trimethylbenzene photooxidation. Atmospheric Chemistry and Physics, 2009, 9, 635-665.	1.9	88
32	Production of peroxy radicals at night via reactions of ozone and the nitrate radical in the marine boundary layer. Journal of Geophysical Research, 2001, 106, 12669-12687.	3.3	87
33	The influence of orbital asymmetry on the kinetics of the gas-phase reactions of ozone with unsaturated compounds. Physical Chemistry Chemical Physics, 2000, 2, 323-328.	1.3	43
34	OH Yields in the Gas-Phase Reactions of Ozone with Alkenes. Journal of Physical Chemistry A, 1999, 103, 7656-7664.	1.1	171
35	A theoretical investigation of OH formation in the gas-phase ozonolysis of E-but-2-ene and Z-but-2-ene. Physical Chemistry Chemical Physics, 1999, 1, 3981-3985.	1.3	31
36	Hydroxyl-radical formation in the gas-phase ozonolysis of 2-methylbut-2-ene. Geophysical Research Letters, 1998, 25, 2177-2180.	1.5	28