Carl J Percival

List of Publications by Year
in descending order

191 papers	8,242 citations	61687 45 h-index	73587 79 g-index
214 all docs	214 docs citations	214 times ranked	7040 citing authors

#	Article	IF	Citations
1	Dramatic Conformer-Dependent Reactivity of the Acetaldehyde Oxide Criegee Intermediate with Dimethylamine <i>Via</i> a 1,2-Insertion Mechanism. Journal of Physical Chemistry A, 2022, 126, 710-719.	1.1	4
2	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. Geophysical Research Letters, 2022, 49, .	1.5	8
3	Changes to simulated global atmospheric composition resulting from recent revisions to isoprene oxidation chemistry. Atmospheric Environment, 2021, 244, 117914.	1.9	13
4	Investigating the background and local contribution of the oxidants in London and Bangkok. Faraday Discussions, 2021, 226, 515-536.	1.6	3
5	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. Faraday Discussions, 2021, 226, 382-408.	1.6	13
6	Ozone production and precursor emission from wildfires in Africa. Environmental Science Atmospheres, 2021, 1, 524-542.	0.9	4
7	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
8	Low-NO atmospheric oxidation pathways in a polluted megacity. Atmospheric Chemistry and Physics, 2021, 21, 1613-1625.	1.9	24
9	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO_{<i>x</i>} in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2125-2147.	1.9	64
10	Chemical characterisation of benzene oxidation products under high- and low-NO_{<i>x</i>} conditions using chemical ionisation mass spectrometry. Atmospheric Chemistry and Physics, 2021, 21, 3473-3490.	1.9	16
11	Measured Solid State and Sub-Cooled Liquid Vapour Pressures of Benzaldehydes Using Knudsen Effusion Mass Spectrometry. Atmosphere, 2021, 12, 397.	1.0	1
12	Investigation of the Production of Trifluoroacetic Acid from Two Halocarbons, HFC-134a and HFO-1234yf and Its Fates Using a Global Three-Dimensional Chemical Transport Model. ACS Earth and Space Chemistry, 2021, 5, 849-857.	1.2	19
13	Functionalized Hydroperoxide Formation from the Reaction of Methacrolein-Oxide, an Isoprene-Derived Criegee Intermediate, with Formic Acid: Experiment and Theory. Molecules, 2021, 26, 3058.	1.7	16
14	Tropospheric modeling of acetic acid in the UK for Summer, Winter and Spring seasons using a mesoscale 3-dimensional chemistry and transport model, WRF-Chem-CRI. Atmospheric Research, 2021, 254, 105506.	1.8	0
15	Technical note: A new approach to discriminate different black carbon sources by utilising fullerene and metals in positive matrix factorisation analysis of high-resolution soot particle aerosol mass spectrometer data. Atmospheric Chemistry and Physics, 2021, 21, 10763-10777.	1.9	3
16	Improvements to the representation of BVOC chemistryâ€“climate interactions in UKCA (v11.5) with the CRI-StratÂ2 mechanism: incorporation and evaluation. Geoscientific Model Development, 2021, 14, 5239-5268.	1.3	12
17	Global tropospheric halogen (Cl, Br, I) chemistry and its impact on oxidants. Atmospheric Chemistry and Physics, 2021, 21, 13973-13996.	1.9	57
18	Exploring the composition and volatility of secondary organic aerosols in mixed anthropogenic and biogenic precursor systems. Atmospheric Chemistry and Physics, 2021, 21, 14251-14273.	1.9	20

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19	Impacts of Hydroperoxymethyl Thioformate on the Global Marine Sulfur Budget. ACS Earth and Space Chemistry, 2021, 5, 2577-2586.	1.2	11
20	Abundance of NO3 Derived Organo-Nitrates and Their Importance in the Atmosphere. Atmosphere, 2021, 12, 1381.	1.0	4
21	The relationship between aerosol concentration and atmospheric potential gradient in urban environments. Science of the Total Environment, 2020, 716, 134959.	3.9	7
22	Acetonyl Peroxy and Hydro Peroxy Self- and Cross-Reactions: Kinetics, Mechanism, and Chaperone Enhancement from the Perspective of the Hydroxyl Radical Product. Journal of Physical Chemistry A, 2020, 124, 8128-8143.	1.1	7
23	Formic acid catalyzed isomerization and adduct formation of an isoprene-derived Criegee intermediate: experiment and theory. Physical Chemistry Chemical Physics, 2020, 22, 26796-26805.	1.3	13
24	Pressure and Temperature Dependencies of Rate Coefficients for the Reaction OH + NO₂ + M â†’ Products. Journal of Physical Chemistry A, 2020, 124, 10121-10131.	1.1	4
25	Criegee intermediates: production, detection and reactivity. International Reviews in Physical Chemistry, 2020, 39, 385-424.	0.9	56
26	Investigating the Impacts of Nonacyl Peroxy Nitrates on the Global Composition of the Troposphere Using a 3-D Chemical Transport Model, STOCHEM-CRI. ACS Earth and Space Chemistry, 2020, 4, 1201-1212.	1.2	3
27	Impact of Criegee Intermediate Reactions with Peroxy Radicals on Tropospheric Organic Aerosol. ACS Earth and Space Chemistry, 2020, 4, 1743-1755.	1.2	16
28	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 7531-7552.	1.9	35
29	Multi-generation OH oxidation as a source for highly oxygenated organic molecules from aromatics. Atmospheric Chemistry and Physics, 2020, 20, 515-537.	1.9	78
30	Urban Tracer Dispersion and Infiltration into Buildings Over a 2-km Scale. Boundary-Layer Meteorology, 2020, 175, 113-134.	1.2	3
31	Investigating the Atmospheric Sources and Sinks of Perfluorooctanoic Acid Using a Global Chemistry Transport Model. Atmosphere, 2020, 11, 407.	1.0	7
32	Experimental Evidence of Dioxole Unimolecular Decay Pathway for Isoprene-Derived Criegee Intermediates. Journal of Physical Chemistry A, 2020, 124, 3542-3554.	1.1	30
33	Direct kinetic measurements and theoretical predictions of an isoprene-derived Criegee intermediate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9733-9740.	3.3	63
34	Airborne measurements of fire emission factors for African biomass burning sampled during the MOYA campaign. Atmospheric Chemistry and Physics, 2020, 20, 15443-15459.	1.9	17
35	Measured solid state and subcooled liquid vapour pressures of nitroaromatics using Knudsen effusion mass spectrometry. Atmospheric Chemistry and Physics, 2020, 20, 8293-8314.	1.9	6
36	The effect of structure and isomerism on the vapor pressures of organic molecules and its potential atmospheric relevance. Aerosol Science and Technology, 2019, 53, 1040-1055.	1.5	16

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37	A Large Source of Atomic Chlorine From ClNO₂ Photolysis at a U.K. Landfill Site. Geophysical Research Letters, 2019, 46, 8508-8516.	1.5	11
38	Direct Kinetic and Atmospheric Modeling Studies of Criegee Intermediate Reactions with Acetone. ACS Earth and Space Chemistry, 2019, 3, 2363-2371.	1.2	34
39	Secondary organic aerosol reduced by mixture of atmospheric vapours. Nature, 2019, 565, 587-593.	13.7	222
40	Experimental and computational studies of Criegee intermediate reactions with NH₃ and CH₃NH₂. Physical Chemistry Chemical Physics, 2019, 21, 14042-14052.	1.3	46
41	Effect of sea salt aerosol on tropospheric bromine chemistry. Atmospheric Chemistry and Physics, 2019, 19, 6497-6507.	1.9	36
42	A method for extracting calibrated volatility information from the FIGAERO-HR-ToF-CIMS and its experimental application. Atmospheric Measurement Techniques, 2019, 12, 1429-1439.	1.2	42
43	Introduction to the special issue â€œIn-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)â€. Atmospheric Chemistry and Physics, 2019, 19, 7519-7546.	1.9	95
44	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). Atmospheric Measurement Techniques, 2019, 12, 6449-6463.	1.2	44
45	Reaction of Perfluorooctanoic Acid with Criegee Intermediates and Implications for the Atmospheric Fate of Perfluorocarboxylic Acids. Environmental Science & Technology, 2019, 53, 1245-1251.	4.6	21
46	The development and trial of an unmanned aerial system for the measurement of methane flux from landfill and greenhouse gas emission hotspots. Waste Management, 2019, 87, 883-892.	3.7	59
47	Observations of Isocyanate, Amide, Nitrate, and Nitro Compounds From an Anthropogenic Biomass Burning Event Using a ToFâ€CIMS. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7687-7704.	1.2	32
48	Online Chemical Characterization of Food-Cooking Organic Aerosols: Implications for Source Apportionment. Environmental Science & Technology, 2018, 52, 5308-5318.	4.6	76
49	Criegee intermediates and their impacts on the troposphere. Environmental Sciences: Processes and Impacts, 2018, 20, 437-453.	1.7	136
50	Simultaneous aerosol mass spectrometry and chemical ionisation mass spectrometry measurements during a biomass burning event in the UK: insights into nitrate chemistry. Atmospheric Chemistry and Physics, 2018, 18, 4093-4111.	1.9	30
51	Reaction kinetics of OH + HNO₃ under conditions relevant to the upper troposphere/lower stratosphere. Physical Chemistry Chemical Physics, 2018, 20, 24652-24664.	1.3	4
52	Chlorine oxidation of VOCs at a semi-rural site in Beijing: significant chlorine liberation from ClNO₂ and subsequent gas- and particle-phase Clâ€“VOC production. Atmospheric Chemistry and Physics, 2018, 18, 13013-13030.	1.9	54
53	Observations of organic and inorganic chlorinated compounds and their contribution to chlorine radical concentrations in an urban environment in northern Europe during the wintertime. Atmospheric Chemistry and Physics, 2018, 18, 13481-13493.	1.9	41
54	The reaction of hydroxyl and methylperoxy radicals is not a major source of atmospheric methanol. Nature Communications, 2018, 9, 4343.	5.8	32

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55	Online gas- and particle-phase measurements of organosulfates, organosulfonates and nitrooxy organosulfates in Beijing utilizing a FIGAERO ToF-CIMS. Atmospheric Chemistry and Physics, 2018, 18, 10355-10371.	1.9	62
56	Production of N₂O₅ and ClNO₂ in summer in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 11581-11597.	1.9	57
57	A measurement-based verification framework for UK greenhouse gas emissions: an overview of the Greenhouse gAs Uk and Global Emissions (GAUGE) project. Atmospheric Chemistry and Physics, 2018, 18, 11753-11777.	1.9	29
58	Investigating the Tropospheric Chemistry of Acetic Acid Using the Global 3â€D Chemistry Transport Model, STOCHEMâ€CRI. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6267-6281.	1.2	19
59	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.	1.2	102
60	Direct kinetics study of CH₂OO + methyl vinyl ketone and CH₂OO + methacrolein reactions and an upper limit determination for CH₂OO + CO reaction. Physical Chemistry Chemical Physics, 2018, 20, 19373-19381.	1.3	20
61	A reference data set for validating vapor pressure measurement techniques: homologous series of polyethylene glycols. Atmospheric Measurement Techniques, 2018, 11, 49-63.	1.2	41
62	Coordinated Airborne Studies in the Tropics (CAST). Bulletin of the American Meteorological Society, 2017, 98, 145-162.	1.7	25
63	The Essential Role for Laboratory Studies in Atmospheric Chemistry. Environmental Science & Technology, 2017, 51, 2519-2528.	4.6	75
64	Enhanced ozone loss by active inorganic bromine chemistry in the tropical troposphere. Atmospheric Environment, 2017, 155, 21-28.	1.9	24
65	Measurement of the ¹³C isotopic signature of methane emissions from northern European wetlands. Global Biogeochemical Cycles, 2017, 31, 605-623.	1.9	52
66	Measured Saturation Vapor Pressures of Phenolic and Nitro-aromatic Compounds. Environmental Science & Technology, 2017, 51, 3922-3928.	4.6	19
67	An estimate of the global budget and distribution of ethanol using a global 3-D atmospheric chemistry transport model STOCHEM-CRI. Transactions of the Royal Society of South Africa, 2017, 72, 174-183.	0.8	5
68	Microphysical explanation of the RHâ€dependent water affinity of biogenic organic aerosol and its importance for climate. Geophysical Research Letters, 2017, 44, 5167-5177.	1.5	74
69	Temperatureâ€Dependence of the Rates of Reaction of Trifluoroacetic Acid with Criegee Intermediates. Angewandte Chemie, 2017, 129, 9172-9175.	1.6	5
70	An Estimation of the Levels of Stabilized Criegee Intermediates in the UK Urban and Rural Atmosphere Using the Steady-State Approximation and the Potential Effects of These Intermediates on Tropospheric Oxidation Cycles. International Journal of Chemical Kinetics, 2017, 49, 611-621.	1.0	25
71	Temperatureâ€Dependence of the Rates of Reaction of Trifluoroacetic Acid with Criegee Intermediates. Angewandte Chemie - International Edition, 2017, 56, 9044-9047.	7.2	62
72	Products of Criegee intermediate reactions with NO₂: experimental measurements and tropospheric implications. Faraday Discussions, 2017, 200, 313-330.	1.6	38

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73	A modeling study of secondary organic aerosol formation from sesquiterpenes using the STOCHEM global chemistry and transport model. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4426-4439.	1.2	35
74	Ground and Airborne U.K. Measurements of Nitryl Chloride: An Investigation of the Role of Cl Atom Oxidation at Weybourne Atmospheric Observatory. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,154.	1.2	18
75	Development of lithium attachment mass spectrometry â€“ knudsen effusion and chemical ionisation mass spectrometry (KEMS, CIMS). Analyst, The, 2017, 142, 3666-3673.	1.7	4
76	The reaction of Criegee intermediate CH₂OO with water dimer: primary products and atmospheric impact. Physical Chemistry Chemical Physics, 2017, 19, 21970-21979.	1.3	83
77	Formaldehyde in the Tropical Western Pacific: Chemical Sources and Sinks, Convective Transport, and Representation in CAMâ€Chem and the CCMI Models. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11201-11226.	1.2	32
78	Direct Measurements of Unimolecular and Bimolecular Reaction Kinetics of the Criegee Intermediate (CH₃)₂COO. Journal of Physical Chemistry A, 2017, 121, 4-15.	1.1	87
79	Seasonality of Formic Acid (HCOOH) in London during the ClearfLo Campaign. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,488.	1.2	18
80	Are the Fenno-Scandinavian Arctic Wetlands a Significant Regional Source of Formic Acid?. Atmosphere, 2017, 8, 112.	1.0	4
81	Urban Pollutant Transport and Infiltration into Buildings Using Perfluorocarbon Tracers. International Journal of Environmental Research and Public Health, 2017, 14, 214.	1.2	5
82	Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing. Atmospheric Measurement Techniques, 2017, 10, 83-107.	1.2	9
83	Response to Comment on â€œMeasured Saturation Vapor Pressures of Phenolic and Nitro-Aromatic Compoundsâ€. Environmental Science & Technology, 2017, 51, 7744-7745.	4.6	1
84	Global analysis of carbon disulfide (CS₂) using the 3-D chemistry transport model STOCHEM. AIMS Environmental Science, 2017, 4, 484-501.	0.7	13
85	Correction: Global analysis of carbon disulfide (CS₂) using the 3-D chemistry transport model STOCHEM. AIMS Environ Sci 4: 484-501. AIMS Environmental Science, 2017, 4, 585-585.	0.7	2
86	Impact of biomass burning emission on total peroxy nitrates: fire plume identification during the BORTAS campaign. Atmospheric Measurement Techniques, 2016, 9, 5591-5606.	1.2	5
87	The development and evaluation of airborne in situ N₂O and CH₄ sampling using a quantum cascade laser absorption spectrometer (QCLAS). Atmospheric Measurement Techniques, 2016, 9, 63-77.	1.2	24
88	Extensive release of methane from Arctic seabed west of Svalbard during summer 2014 does not influence the atmosphere. Geophysical Research Letters, 2016, 43, 4624-4631.	1.5	74
89	Measurements of Î´¹³C in CH₄ and using particle dispersion modeling to characterize sources of Arctic methane within an air mass. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14257-14270.	1.2	22
90	Measurements and Predictions of Binary Component Aerosol Particle Viscosity. Journal of Physical Chemistry A, 2016, 120, 8123-8137.	1.1	92

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91	Modeling the observed tropospheric BrO background: Importance of multiphase chemistry and implications for ozone, OH, and mercury. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,819.	1.2	106
92	Constraints on oceanic methane emissions west of Svalbard from atmospheric in situ measurements and Lagrangian transport modeling. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14188-14200.	1.2	10
93	A pervasive role for biomass burning in tropical high ozone/low water structures. Nature Communications, 2016, 7, 10267.	5.8	33
94	The first UK measurements of nitryl chloride using a chemical ionization mass spectrometer in central London in the summer of 2012, and an investigation of the role of Cl atom oxidation. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5638-5657.	1.2	76
95	WRF-Chem model predictions of the regional impacts of N₂O₅ heterogeneous processes on night-time chemistry over north-western Europe. Atmospheric Chemistry and Physics, 2015, 15, 1385-1409.	1.9	38
96	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. Atmospheric Chemistry and Physics, 2015, 15, 3077-3095.	1.9	61
97	Estimation of Daytime NO_{3}Radical Levels in the UK Urban Atmosphere Using the Steady State Approximation Method. Advances in Meteorology, 2015, 2015, 1-9.	0.6	11
98	Physical and chemical processes of air masses in the Aegean Sea during Etesians: Aegean-GAME airborne campaign. Science of the Total Environment, 2015, 506-507, 201-216.	3.9	30
99	Infrared Spectroscopic Evidence for a Heterogeneous Reaction between Ozone and Sodium Oleate at the Gasâ€“Aerosol Interface: Effect of Relative Humidity. International Journal of Chemical Kinetics, 2015, 47, 277-288.	1.0	3
100	Reaction between CH₃O₂ and BrO Radicals: A New Source of Upper Troposphere Lower Stratosphere Hydroxyl Radicals. Journal of Physical Chemistry A, 2015, 119, 4618-4632.	1.1	18
101	Saturation Vapor Pressures and Transition Enthalpies of Low-Volatility Organic Molecules of Atmospheric Relevance: From Dicarboxylic Acids to Complex Mixtures. Chemical Reviews, 2015, 115, 4115-4156.	23.0	196
102	Meteorology, Air Quality, and Health in London: The ClearfLo Project. Bulletin of the American Meteorological Society, 2015, 96, 779-804.	1.7	105
103	A kinetic study of the CH₂OO Criegee intermediate self-reaction, reaction with SO₂ and unimolecular reaction using cavity ring-down spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 3617-3626.	1.3	115
104	Rate Coefficients of C1 and C2 Criegee Intermediate Reactions with Formic and Acetic Acid Near the Collision Limit: Direct Kinetics Measurements and Atmospheric Implications. Angewandte Chemie - International Edition, 2014, 53, 4547-4550.	7.2	219
105	Atmospheric composition and thermodynamic retrievals from the ARIES airborne TIR-FTS system â€“ Part 2: Validation and results from aircraft campaigns. Atmospheric Measurement Techniques, 2014, 7, 4401-4416.	1.2	18
106	Methane and carbon dioxide fluxes and their regional scalability for the European Arctic wetlands during the MAMM project in summer 2012. Atmospheric Chemistry and Physics, 2014, 14, 13159-13174.	1.9	39
107	Criegee intermediates in the indoor environment: new insights. Indoor Air, 2014, 24, 495-502.	2.0	13
108	The first airborne comparison of N₂O₅ measurements over the UK using a CIMS and BBCEAS during the RONOCO campaign. Analytical Methods, 2014, 6, 9731-9743.	1.3	30

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109	Aircraft observations of the lower troposphere above a megacity: Alkyl nitrate and ozone chemistry. Atmospheric Environment, 2014, 94, 479-488.	1.9	11
110	Area fluxes of carbon dioxide, methane, and carbon monoxide derived from airborne measurements around Greater London: A case study during summer 2012. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4940-4952.	1.2	46
111	Intermediates just want to react. Nature Chemistry, 2014, 6, 461-462.	6.6	3
112	Research frontiers in the chemistry of Criegee intermediates and tropospheric ozonolysis. Physical Chemistry Chemical Physics, 2014, 16, 1704.	1.3	244
113	Airborne measurements of HC(O)OH in the European Arctic: A winter â€" summer comparison. Atmospheric Environment, 2014, 99, 556-567.	1.9	15
114	Connecting Bulk Viscosity Measurements to Kinetic Limitations on Attaining Equilibrium for a Model Aerosol Composition. Environmental Science & Technology, 2014, 48, 9298-9305.	4.6	50
115	Importance of direct anthropogenic emissions of formic acid measured by a chemical ionisation mass spectrometer (CIMS) during the Winter ClearfLo Campaign in London, January 2012. Atmospheric Environment, 2014, 83, 301-310.	1.9	38
116	Simultaneous airborne nitric acid and formic acid measurements using a chemical ionization mass spectrometer around the UK: Analysis of primary and secondary production pathways. Atmospheric Environment, 2014, 83, 166-175.	1.9	31
117	Measurement of boundary layer ozone concentrations onâ€board a Skywalker unmanned aerial vehicle. Atmospheric Science Letters, 2014, 15, 252-258.	0.8	21
118	Size-dependent wet removal of black carbon in Canadian biomass burning plumes. Atmospheric Chemistry and Physics, 2014, 14, 13755-13771.	1.9	85
119	Direct Measurements of Conformer-Dependent Reactivity of the Criegee Intermediate CH ₃ CHOO. Science, 2013, 340, 177-180.	6.0	379
120	Regional and global impacts of Criegee intermediates on atmospheric sulphuric acid concentrations and first steps of aerosol formation. Faraday Discussions, 2013, 165, 45.	1.6	103
121	Quantifying the impact of BOReal forest fires on Tropospheric oxidants over the Atlantic using Aircraft and Satellites (BORTAS) experiment: design, execution and science overview. Atmospheric Chemistry and Physics, 2013, 13, 6239-6261.	1.9	52
122	Airborne hydrogen cyanide measurements using a chemical ionisation mass spectrometer for the plume identification of biomass burning forest fires. Atmospheric Chemistry and Physics, 2013, 13, 9217-9232.	1.9	50
123	Chemical composition and hygroscopic properties of aerosol particles over the Aegean Sea. Atmospheric Chemistry and Physics, 2013, 13, 11595-11608.	1.9	31
124	Airborne observations of trace gases over boreal Canada during BORTAS: campaign climatology, air mass analysis and enhancement ratios. Atmospheric Chemistry and Physics, 2013, 13, 12451-12467.	1.9	24
125	Corrigendum to "Airborne hydrogen cyanide measurements using a chemical ionisation mass spectrometer for the plume identification of biomass burning forest fires" published in Atmos. Chem. Phys., 13, 9217â€"9232, 2013. Atmospheric Chemistry and Physics, 2013, 13, 9915-9915.	1.9	1
126	Development of a cavity-enhanced absorption spectrometer for airborne measurements of CH₄ and CO₂. Atmospheric Measurement Techniques, 2013, 6, 1095-1109.	1.2	70

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127	Airborne observations of formic acid using a chemical ionization mass spectrometer. Atmospheric Measurement Techniques, 2012, 5, 3029-3039.	1.2	61
128	Direct Kinetic Measurements of Criegee Intermediate (CH ₂ OO) Formed by Reaction of CH ₂ I with O ₂. Science, 2012, 335, 204-207.	6.0	649
129	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.	1.9	44
130	Temperature and pressure dependence of the rate coefficient for the reaction between ClO and CH3O2 in the gas-phase. Physical Chemistry Chemical Physics, 2012, 14, 3425.	1.3	13
131	Determination of gas-phase ozonolysis rate coefficients of a number of sesquiterpenes at elevated temperatures using the relative rate method. Physical Chemistry Chemical Physics, 2012, 14, 6596.	1.3	9
132	Spectroscopy of the Simplest Criegee Intermediate CH₂OO: Simulation of the First Bands in Its Electronic and Photoelectron Spectra. Chemistry - A European Journal, 2012, 18, 12411-12423.	1.7	54
133	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.	1.7	23
134	Direct measurement of Criegee intermediate (CH2OO) reactions with acetone, acetaldehyde, and hexafluoroacetone. Physical Chemistry Chemical Physics, 2012, 14, 10391.	1.3	143
135	Energy and ozone fluxes over sea ice. Atmospheric Environment, 2012, 47, 218-225.	1.9	9
136	Determination of gas-phase ozonolysis rate coefficients of C8â€“14 terminal alkenes at elevated temperatures using the relative rate method. Physical Chemistry Chemical Physics, 2011, 13, 10965.	1.3	8
137	A study of the ethene-ozone reaction with photoelectron spectroscopy: measurement of product branching ratios and atmospheric implications. Physical Chemistry Chemical Physics, 2011, 13, 14839.	1.3	9
138	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.	1.3	31
139	A study of the alkeneâ€“ozone reactions, 2,3-dimethyl 2-butene + O3 and 2-methyl propene + O3, with photoelectron spectroscopy: measurement of product branching ratios and atmospheric implications. Physical Chemistry Chemical Physics, 2011, 13, 17461.	1.3	2
140	Evaluation of coated QCM for the detection of atmospheric ozone. Analyst, The, 2011, 136, 2963.	1.7	8
141	Solid state and sub-cooled liquid vapour pressures of cyclic aliphatic dicarboxylic acids. Atmospheric Chemistry and Physics, 2011, 11, 655-665.	1.9	48
142	Temperatureâ€dependent kinetics for the ozonolysis of selected chlorinated alkenes in the gas phase. International Journal of Chemical Kinetics, 2011, 43, 120-129.	1.0	10
143	Heterogeneous oxidation reaction of gasâ€phase ozone with anthracene in thin films and on aerosols by infrared spectroscopic methods. International Journal of Chemical Kinetics, 2011, 43, 694-707.	1.0	7
144	On the Impact of HO2-H2O Complexes in the Marine Boundary Layer: A Possible Sink for HO2. Terrestrial, Atmospheric and Oceanic Sciences, 2011, 22, 049.	0.3	7

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145	CityFlux perfluorocarbon tracer experiments. Atmospheric Chemistry and Physics, 2010, 10, 5991-5997.	1.9	7
146	Field inter-comparison of eleven atmospheric ammonia measurement techniques. Atmospheric Measurement Techniques, 2010, 3, 91-112.	1.2	215
147	Sources of uncertainty in eddy covariance ozone flux measurements made by dry chemiluminescence fast response analysers. Atmospheric Measurement Techniques, 2010, 3, 163-176.	1.2	47
148	Solid state and sub-cooled liquid vapour pressures of substituted dicarboxylic acids using Knudsen Effusion Mass Spectrometry (KEMS) and Differential Scanning Calorimetry. Atmospheric Chemistry and Physics, 2010, 10, 4879-4892.	1.9	79
149	Kinetic studies of the heterogeneous oxidation of maleic and fumaric acid aerosols by ozone under conditions of high relative humidity. Physical Chemistry Chemical Physics, 2010, 12, 11417.	1.3	24
150	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.	1.3	28
151	Design and construction of a simple Knudsen Effusion Mass Spectrometer (KEMS) system for vapour pressure measurements of low volatility organics. Atmospheric Measurement Techniques, 2009, 2, 355-361.	1.2	54
152	On the importance of the reaction between OH and RO₂ radicals. Atmospheric Science Letters, 2009, 10, 102-108.	0.8	40
153	Comparison of ozone fluxes over grassland by gradient and eddy covariance technique. Atmospheric Science Letters, 2009, 10, 164-169.	0.8	21
154	Ozonolysis of organic compounds and mixtures in solution. Part I: Oleic, maleic, nonanoic and benzoic acids. Physical Chemistry Chemical Physics, 2009, 11, 1427.	1.3	28
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