Hugh Coe

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3958539/publications.pdf

Version: 2024-02-01

316 papers	30,893 citations	5558 82 h-index	7931 149 g-index
456 all docs	456 docs citations	456 times ranked	12556 citing authors

#	Article	IF	Citations
1	Examining chemical composition of gas turbine-emitted organic aerosol using positive matrix factorisation (PMF). Journal of Aerosol Science, 2022, 159, 105869.	1.8	3
2	The effect of BC on aerosolâ€“boundary layer feedback: potential implications for urban pollution episodes. Atmospheric Chemistry and Physics, 2022, 22, 2937-2953.	1.9	11
3	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. Geophysical Research Letters, 2022, 49, .	1.5	8
4	Using a coupled LES aerosolâ€“radiation model to investigate the importance of aerosolâ€“boundary layer feedback in a Beijing haze episode. Faraday Discussions, 2021, 226, 173-190.	1.6	3
5	General discussion: Aerosol formation and growth; VOC sources and secondary organic aerosols. Faraday Discussions, 2021, 226, 479-501.	1.6	1
6	Direct measurements of black carbon fluxes in central Beijing using the eddy covariance method. Atmospheric Chemistry and Physics, 2021, 21, 147-162.	1.9	6
7	The CLoudâ€“Aerosolâ€“Radiation Interaction and Forcing: YearÂ2017 (CLARIFY-2017) measurement campaign. Atmospheric Chemistry and Physics, 2021, 21, 1049-1084.	1.9	57
8	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
9	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
10	Low-NO atmospheric oxidation pathways in a polluted megacity. Atmospheric Chemistry and Physics, 2021, 21, 1613-1625.	1.9	24
11	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
12	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
13	Characterizing Black Carbon and Gaseous Pollutants on the Yangtze River Across Eastern China Continent. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033488.	1.2	1
14	Mixing state of refractory black carbon aerosol in the South Asian outflow over the northern Indian Ocean during winter. Atmospheric Chemistry and Physics, 2021, 21, 9173-9199.	1.9	16
15	Rapid transformation of ambient absorbing aerosols from West African biomass burning. Atmospheric Chemistry and Physics, 2021, 21, 9417-9440.	1.9	25
16	Measurement report: Altitudinal variation of cloud condensation nuclei activation across the Indo-Gangetic Plain prior to monsoon onset and during peak monsoon periods: results from the SWAAMI field campaign. Atmospheric Chemistry and Physics, 2021, 21, 8979-8997.	1.9	7
17	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
18	Investigating Carbonaceous Aerosol and Its Absorption Properties From Fires in the Western United States (WEâ€CAN) and Southern Africa (ORACLES and CLARIFY). Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034984.	1.2	21

#	Article	IF	Citations
19	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	1.9	60
20	PM₁ composition and source apportionment at two sites in Delhi, India, across multiple seasons. Atmospheric Chemistry and Physics, 2021, 21, 11655-11667.	1.9	13
21	Characterizing the performance of a POPS miniaturized optical particle counter when operated on a quadcopter drone. Atmospheric Measurement Techniques, 2021, 14, 6101-6118.	1.2	11
22	Impacts of Hydroperoxymethyl Thioformate on the Global Marine Sulfur Budget. ACS Earth and Space Chemistry, 2021, 5, 2577-2586.	1.2	11
23	General discussion: Urban air quality; Meteorological influences and air quality trends. Faraday Discussions, 2021, 226, 191-206.	1.6	0
24	Enhanced aerosol particle growth sustained by high continental chlorine emission in India. Nature Geoscience, 2021, 14, 77-84.	5.4	94
25	Chemical Characterization and Source Apportionment of Organic Aerosols in the Coastal City of Chennai, India: Impact of Marine Air Masses on Aerosol Chemical Composition and Potential for Secondary Organic Aerosol Formation. ACS Earth and Space Chemistry, 2021, 5, 3197-3209.	1.2	12
26	Physical and chemical properties of black carbon and organic matter from different combustion and photochemical sources using aerodynamic aerosol classification. Atmospheric Chemistry and Physics, 2021, 21, 16161-16182.	1.9	9
27	Planetary Boundary Layer Height Modulates Aerosolâ€"Water Vapor Interactions During Winter in the Megacity of Delhi. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035681.	1.2	4
28	Pollutant Emissions from Improved Cookstoves of the Type Used in Sub-Saharan Africa. Combustion Science and Technology, 2020, 192, 1582-1602.	1.2	22
29	Characterizing the Particle Composition and Cloud Condensation Nuclei from Shipping Emission in Western Europe. Environmental Science & Technology, 2020, 54, 15604-15612.	4.6	18
30	Influence of vessel characteristics and atmospheric processes on the gas and particle phase of ship emission plumes: in situ measurements in the Mediterranean Sea and around the Arabian Peninsula. Atmospheric Chemistry and Physics, 2020, 20, 4713-4734.	1.9	35
31	Characterising mass-resolved mixing state of black carbon in Beijing using a morphology-independent measurement method. Atmospheric Chemistry and Physics, 2020, 20, 3645-3661.	1.9	26
32	Vertical profiles of submicron aerosol single scattering albedo over the Indian region immediately before monsoon onset and during its development: research from the SWAAMI field campaign. Atmospheric Chemistry and Physics, 2020, 20, 4031-4046.	1.9	9
33	Transformation and ageing of biomass burning carbonaceous aerosol over tropical South America from aircraft in situ measurements during SAMBBA. Atmospheric Chemistry and Physics, 2020, 20, 5309-5326.	1.9	26
34	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 7531-7552.	1.9	35
35	Seasonal contrast in size distributions and mixing state of black carbon and its association with PM_{1.0} chemical composition from the eastern coast of India. Atmospheric Chemistry and Physics, 2020, 20, 3965-3985.	1.9	36
36	Airborne particles might grow fast in cities. Nature, 2020, 581, 145-146.	13.7	5

#	Article	IF	Citations
37	Large air quality and human health impacts due to Amazon forest and vegetation fires. Environmental Research Communications, 2020, 2, 095001.	0.9	31
38	Oligomer and highly oxygenated organic molecule formation from oxidation of oxygenated monoterpenes emitted by California sage plants. Atmospheric Chemistry and Physics, 2020, 20, 10953-10965.	1.9	8
39	Absorption closure in highly aged biomass burning smoke. Atmospheric Chemistry and Physics, 2020, 20, 11201-11221.	1.9	29
40	Vertical variability of the properties of highly aged biomass burning aerosol transported over the southeast Atlantic during CLARIFY-2017. Atmospheric Chemistry and Physics, 2020, 20, 12697-12719.	1.9	33
41	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
42	An evaluation of global organic aerosol schemes using airborne observations. Atmospheric Chemistry and Physics, 2020, 20, 2637-2665.	1.9	90
43	Robust observational constraint of uncertain aerosol processes and emissions in a climate model and the effect on aerosol radiative forcing. Atmospheric Chemistry and Physics, 2020, 20, 9491-9524.	1.9	22
44	Oxygenated products formed from OH-initiated reactions of trimethylbenzene: autoxidation and accretion. Atmospheric Chemistry and Physics, 2020, 20, 9563-9579.	1.9	29
45	Evaluation of the chemical composition of gas- and particle-phase products of aromatic oxidation. Atmospheric Chemistry and Physics, 2020, 20, 9783-9803.	1.9	39
46	Using a coupled large-eddy simulationâ€“aerosol radiation model to investigate urban haze: sensitivity to aerosol loading and meteorological conditions. Atmospheric Chemistry and Physics, 2020, 20, 11893-11906.	1.9	7
47	Quantifying bioaerosol concentrations in dust clouds through online UV-LIF and mass spectrometry measurements at the Cape Verde Atmospheric Observatory. Atmospheric Chemistry and Physics, 2020, 20, 14473-14490.	1.9	3
48	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
49	Size-Related Physical Properties of Black Carbon in the Lower Atmosphere over Beijing and Europe. Environmental Science & Technology, 2019, 53, 11112-11121.	4.6	45
50	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model. Atmospheric Chemistry and Physics, 2019, 19, 9125-9152.	1.9	60
51	The roles of volatile organic compound deposition and oxidation mechanisms in determining secondary organic aerosol production: aÂglobal perspective using the UKCA chemistryâ€“climate model (vn8.4). Geoscientific Model Development, 2019, 12, 2539-2569.	1.3	4
52	Aerosol influences on low-level clouds in the West African monsoon. Atmospheric Chemistry and Physics, 2019, 19, 8503-8522.	1.9	19
53	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
54	In situ constraints on the vertical distribution of global aerosol. Atmospheric Chemistry and Physics, 2019, 19, 11765-11790.	1.9	24

#	Article	IF	Citations
55	Black carbon physical and optical properties across northern India during pre-monsoon and monsoon seasons. Atmospheric Chemistry and Physics, 2019, 19, 13079-13096.	1.9	15
56	Characterization of black carbon-containing fine particles in Beijing during wintertime. Atmospheric Chemistry and Physics, 2019, 19, 447-458.	1.9	84
57	Decrease in radiative forcing by organic aerosol nucleation, climate, and land use change. Nature Communications, 2019, 10, 423.	5.8	47
58	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 165-179.	1.9	73
59	Vertical and horizontal distribution of submicron aerosol chemical composition and physical characteristics across northern India during pre-monsoon and monsoon seasons. Atmospheric Chemistry and Physics, 2019, 19, 5615-5634.	1.9	41
60	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA. Atmospheric Chemistry and Physics, 2019, 19, 5771-5790.	1.9	19
61	Contrasting physical properties of black carbon in urban Beijing between winter and summer. Atmospheric Chemistry and Physics, 2019, 19, 6749-6769.	1.9	89
62	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
63	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
64	Mineralogy and mixing state of north African mineral dust by online single-particle mass spectrometry. Atmospheric Chemistry and Physics, 2019, 19, 2259-2281.	1.9	18
65	The radiative impact of out-of-cloud aerosol hygroscopic growth during the summer monsoon in southern West Africa. Atmospheric Chemistry and Physics, 2019, 19, 1505-1520.	1.9	20
66	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). Atmospheric Measurement Techniques, 2019, 12, 6449-6463.	1.2	44
67	Non-deforestation drivers of fires are increasingly important sources of aerosol and carbon dioxide emissions across Amazonia. Scientific Reports, 2019, 9, 16975.	1.6	35
68	Remote biomass burning dominates southern West African air pollution during the monsoon. Atmospheric Chemistry and Physics, 2019, 19, 15217-15234.	1.9	29
69	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From Highâ€Resolution Aerosol Mass Spectrometry. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1132-1147.	1.2	155
70	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
71	Highly controlled, reproducible measurements of aerosol emissions from combustion of aÂcommon African biofuel source. Atmospheric Chemistry and Physics, 2018, 18, 385-403.	1.9	21
72	Online Chemical Characterization of Food-Cooking Organic Aerosols: Implications for Source Apportionment. Environmental Science & Technology, 2018, 52, 5308-5318.	4.6	76

#	Article	IF	Citations
73	The Dynamicsâ€“Aerosolâ€“Chemistryâ€“Cloud Interactions in West Africa Field Campaign: Overview and Research Highlights. Bulletin of the American Meteorological Society, 2018, 99, 83-104.	1.7	62
74	Aircraft and ground measurements of dust aerosols over the west African coast in summer 2015 during ICE-D and AER-D. Atmospheric Chemistry and Physics, 2018, 18, 3817-3838.	1.9	38
75	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
76	Modelling carbonaceous aerosol from residential solid fuel burning with different assumptions for emissions. Atmospheric Chemistry and Physics, 2018, 18, 4497-4518.	1.9	11
77	Assessing the role of anthropogenic and biogenic sources on PM₁ over southern West Africa using aircraft measurements. Atmospheric Chemistry and Physics, 2018, 18, 757-772.	1.9	26
78	Coarse-mode mineral dust size distributions, composition and optical properties from AER-D aircraft measurements over the tropical eastern Atlantic. Atmospheric Chemistry and Physics, 2018, 18, 17225-17257.	1.9	80
79	Aerosol liquid water content in the moist southern West African monsoon layer and its radiative impact. Atmospheric Chemistry and Physics, 2018, 18, 14271-14295.	1.9	20
80	The role of droplet sedimentation in the evolution of low-level clouds over southern West Africa. Atmospheric Chemistry and Physics, 2018, 18, 14253-14269.	1.9	13
81	Numerical simulations of aerosol radiative effects and their impact on clouds and atmospheric dynamics over southern West Africa. Atmospheric Chemistry and Physics, 2018, 18, 9767-9788.	1.9	36
82	Quantification of ash sedimentation dynamics through depolarisation imaging with AshCam. Scientific Reports, 2018, 8, 15680.	1.6	2
83	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
84	Production of N₂O₅ and ClNO₂ in summer in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 11581-11597.	1.9	57
85	Flow rate and source reservoir identification from airborne chemical sampling of the uncontrolled Elgin platform gas release. Atmospheric Measurement Techniques, 2018, 11, 1725-1739.	1.2	11
86	Online differentiation of mineral phase in aerosol particles by ion formation mechanism using aÂLAAP-TOF single-particle mass spectrometer. Atmospheric Measurement Techniques, 2018, 11, 195-213.	1.2	18
87	Mixing State of Carbonaceous Aerosols of Primary Emissions from â€œImprovedâ€•African Cookstoves. Environmental Science & Technology, 2018, 52, 10134-10143.	4.6	18
88	Particle and VOC emission factor measurements for anthropogenic sources in West Africa. Atmospheric Chemistry and Physics, 2018, 18, 7691-7708.	1.9	41
89	Near-field emission profiling of tropical forest and Cerrado fires in Brazil during SAMBBA 2012. Atmospheric Chemistry and Physics, 2018, 18, 5619-5638.	1.9	19
90	Evaluation of groundâ€based black carbon measurements by filterâ€based photometers at two Arctic sites. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3544-3572.	1.2	51

#	Article	IF	Citations
91	Black-carbon absorption enhancement in the atmosphere determined by particle mixingÂstate. Nature Geoscience, 2017, 10, 184-188.	5.4	303
92	Investigation of Turbulence Parametrization Schemes with Reference to the Atmospheric Boundary Layer Over the Aegean Sea During Etesian Winds. Boundary-Layer Meteorology, 2017, 164, 303-329.	1.2	9
93	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. Bulletin of the American Meteorological Society, 2017, 98, 1857-1877.	1.7	52
94	Strong constraints on aerosolâ€“cloud interactions from volcanic eruptions. Nature, 2017, 546, 485-491.	13.7	191
95	Atmospheric chemistry processes: general discussion. Faraday Discussions, 2017, 200, 353-378.	1.6	0
96	New tools for atmospheric chemistry: general discussion. Faraday Discussions, 2017, 200, 663-691.	1.6	0
97	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l). Environmental Science & Technology, 2017, 51, 14072-14082.	4.6	55
98	Validation of LIRIC aerosol concentration retrievals using airborne measurements during a biomass burning episode over Athens. Atmospheric Research, 2017, 183, 255-267.	1.8	10
99	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
100	Evaluating the influence of laser wavelength and detection stage geometry on optical detection efficiency in a single-particle mass spectrometer. Atmospheric Measurement Techniques, 2016, 9, 6051-6068.	1.2	21
101	Improving our fundamental understanding of the role of aerosolâ^'cloud interactions in the climate system. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5781-5790.	3.3	479
102	Wintertime aerosol chemical composition, volatility, and spatial variability in the greater London area. Atmospheric Chemistry and Physics, 2016, 16, 1139-1160.	1.9	32
103	Evaluation of biomass burning aerosols in the HadGEM3 climate model with observations from the SAMBBA field campaign. Atmospheric Chemistry and Physics, 2016, 16, 14657-14685.	1.9	41
104	Organic aerosol source apportionment in London 2013 with ME-2: exploring the solution space with annual and seasonal analysis. Atmospheric Chemistry and Physics, 2016, 16, 15545-15559.	1.9	36
105	Simulating secondary organic aerosol from missing diesel-related intermediate-volatility organic compound emissions during the Clean Air for LondonÂ(ClearfLo) campaign. Atmospheric Chemistry and Physics, 2016, 16, 6453-6473.	1.9	60
106	Biogenic cloud nuclei in the central Amazon during the transition from wet to dry season. Atmospheric Chemistry and Physics, 2016, 16, 9727-9743.	1.9	37
107	Model simulations of cooking organic aerosol (COA) over the UK using estimates of emissions based on measurements at two sites in London. Atmospheric Chemistry and Physics, 2016, 16, 13773-13789.	1.9	36
108	Comment on â€œThe effects of molecular weight and thermal decomposition on the sensitivity of a thermal desorption aerosol mass spectrometerâ€• Aerosol Science and Technology, 2016, 50, i-xv.	1.5	39

#	Article	IF	Citations
109	Atmospheric composition in the Eastern Mediterranean: Influence of biomass burning during summertime using the WRF-Chem model. Atmospheric Environment, 2016, 132, 317-331.	1.9	31
110	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
111	The effect of complex black carbon microphysics on the determination of the optical properties of brown carbon. Geophysical Research Letters, 2015, 42, 613-619.	1.5	77
112	Investigating a two-component model of solid fuel organic aerosol in London: processes, PM₁ contributions, and seasonality. Atmospheric Chemistry and Physics, 2015, 15, 2429-2443.	1.9	31
113	Influence of aerosol chemical composition on N₂O₅ uptake: airborne regional measurements in northwestern Europe. Atmospheric Chemistry and Physics, 2015, 15, 973-990.	1.9	66
114	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
115	Aged boreal biomass-burning aerosol size distributions from BORTAS 2011. Atmospheric Chemistry and Physics, 2015, 15, 1633-1646.	1.9	43
116	Receptor modelling of fine particles in southern England using CMB including comparison with AMS-PMF factors. Atmospheric Chemistry and Physics, 2015, 15, 2139-2158.	1.9	40
117	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. Atmospheric Chemistry and Physics, 2015, 15, 3077-3095.	1.9	61
118	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). Atmospheric Chemistry and Physics, 2015, 15, 3687-3701.	1.9	88
119	Investigating the annual behaviour of submicron secondary inorganic and organic aerosols in London. Atmospheric Chemistry and Physics, 2015, 15, 6351-6366.	1.9	46
120	Investigating the links between ozone and organic aerosol chemistry in a biomass burning plume from a prescribed fire in California chaparral. Atmospheric Chemistry and Physics, 2015, 15, 6667-6688.	1.9	96
121	Advanced source apportionment of size-resolved trace elements at multiple sites in London during winter. Atmospheric Chemistry and Physics, 2015, 15, 11291-11309.	1.9	71
122	The importance of Asia as a source of black carbon to the European Arctic during springtime 2013. Atmospheric Chemistry and Physics, 2015, 15, 11537-11555.	1.9	48
123	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. Atmospheric Chemistry and Physics, 2015, 15, 11807-11833.	1.9	185
124	Aerosol chemistry above an extended archipelago of the eastern Mediterranean basin during strong northern winds. Atmospheric Chemistry and Physics, 2015, 15, 8401-8421.	1.9	13
125	Characterising Brazilian biomass burning emissions using WRF-Chem with MOSAIC sectional aerosol. Geoscientific Model Development, 2015, 8, 549-577.	1.3	47
126	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

#	Article	IF	Citations
127	The DACCIWA Project: Dynamicsâ€“Aerosolâ€“Chemistryâ€“Cloud Interactions in West Africa. Bulletin of the American Meteorological Society, 2015, 96, 1451-1460.	1.7	84
128	Assessment of the sensitivity of core / shell parameters derived using the single-particle soot photometer to density and refractive index. Atmospheric Measurement Techniques, 2015, 8, 1701-1718.	1.2	98
129	New directions: Air pollution challenges for developing megacities like Delhi. Atmospheric Environment, 2015, 122, 657-661.	1.9	117
130	Air quality and human health improvements from reductions in deforestation-related fire in Brazil. Nature Geoscience, 2015, 8, 768-771.	5.4	180
131	Oceanâ€“Cloudâ€“Atmosphereâ€“Land Interactions in the Southeastern Pacific: The VOCALS Program. Bulletin of the American Meteorological Society, 2014, 95, 357-375.	1.7	76
132	Exploiting simultaneous observational constraints on mass and absorption to estimate the global direct radiative forcing of black carbon and brown carbon. Atmospheric Chemistry and Physics, 2014, 14, 10989-11010.	1.9	213
133	Impacts of nonrefractory material on light absorption by aerosols emitted from biomass burning. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,272.	1.2	69
134	A study on the sensitivities of simulated aerosol optical properties to composition and size distribution using airborne measurements. Atmospheric Environment, 2014, 89, 517-524.	1.9	9
135	Estimated contributions of primary and secondary organic aerosol from fossil fuel combustion during the CalNex and Cal-Mex campaigns. Atmospheric Environment, 2014, 88, 330-340.	1.9	23
136	Organic aerosol emission ratios from the laboratory combustion of biomass fuels. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,850.	1.2	31
137	Aerosol emissions from prescribed fires in the United States: A synthesis of laboratory and aircraft measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,826-11,849.	1.2	116
138	Airborne observations of IEPOX-derived isoprene SOA in the Amazon during SAMBBA. Atmospheric Chemistry and Physics, 2014, 14, 11393-11407.	1.9	46
139	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. Atmospheric Chemistry and Physics, 2014, 14, 12109-12132.	1.9	46
140	Size distribution, mixing state and source apportionment of black carbon aerosol in London during wintertime. Atmospheric Chemistry and Physics, 2014, 14, 10061-10084.	1.9	171
141	Ground-based aerosol characterization during the South American Biomass Burning Analysis (SAMBBA) field experiment. Atmospheric Chemistry and Physics, 2014, 14, 12069-12083.	1.9	103
142	Size-dependent wet removal of black carbon in Canadian biomass burning plumes. Atmospheric Chemistry and Physics, 2014, 14, 13755-13771.	1.9	85
143	Radical chemistry at night: comparisons between observed and modelled HO_x, NO₃ and N₂O₅ during the RONOCO project. Atmospheric Chemistry and Physics, 2014, 14, 1299-1321.	1.9	42
144	A case study of aerosol scavenging in a biomass burning plume over eastern Canada during the 2011 BORTAS field experiment. Atmospheric Chemistry and Physics, 2014, 14, 8449-8460.	1.9	19

#	Article	IF	Citations
145	Gravityâ€waveâ€induced perturbations in marine stratocumulus. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 32-45.	1.0	17
146	Case study analysis of biomass burning plumes observed over Brazil during SAMBBA, September 2012. , 2013, , .		0
147	Overview of the South American biomass burning analysis (SAMBBA) field experiment. , 2013, , .		5
148	The mass and number size distributions of black carbon aerosol over Europe. Atmospheric Chemistry and Physics, 2013, 13, 4917-4939.	1.9	96
149	Ambient black carbon particle hygroscopic properties controlled by mixing state and composition. Atmospheric Chemistry and Physics, 2013, 13, 2015-2029.	1.9	152
150	Absorptivity of brown carbon in fresh and photo-chemically aged biomass-burning emissions. Atmospheric Chemistry and Physics, 2013, 13, 7683-7693.	1.9	297
151	Linking biogenic hydrocarbons to biogenic aerosol in the Borneo rainforest. Atmospheric Chemistry and Physics, 2013, 13, 11295-11305.	1.9	15
152	Chemical composition and hygroscopic properties of aerosol particles over the Aegean Sea. Atmospheric Chemistry and Physics, 2013, 13, 11595-11608.	1.9	31
153	Modelling the effects of gravity waves on stratocumulus clouds observed during VOCALS-UK. Atmospheric Chemistry and Physics, 2013, 13, 7133-7152.	1.9	13
154	Ozone photochemistry in boreal biomass burning plumes. Atmospheric Chemistry and Physics, 2013, 13, 7321-7341.	1.9	64
155	Inorganic and black carbon aerosols in the Los Angeles Basin during CalNex. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1777-1803.	1.2	15
156	Influence of boundary layer dynamics and isoprene chemistry on the organic aerosol budget in a tropical forest. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9351-9366.	1.2	14
157	Physical and Chemical Processes of Polluted Air Masses During Etesians: Aegean-Game Airborne Campaign â€“ An Outline. Springer Atmospheric Sciences, 2013, , 1239-1244.	0.4	4
158	Single Particle Soot Photometer intercomparison at the AIDA chamber. Atmospheric Measurement Techniques, 2012, 5, 3077-3097.	1.2	152
159	Airborne observations of formic acid using a chemical ionization mass spectrometer. Atmospheric Measurement Techniques, 2012, 5, 3029-3039.	1.2	61
160	The composition and variability of atmospheric aerosol over Southeast Asia during 2008. Atmospheric Chemistry and Physics, 2012, 12, 1083-1100.	1.9	14
161	Marine cloud brightening. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 4217-4262.	1.6	125
162	Airborne observations of aerosol microphysical properties and particle ageing processes in the troposphere above Europe. Atmospheric Chemistry and Physics, 2012, 12, 11533-11554.	1.9	13

#	Article	IF	Citations
163	Ice formation and development in aged, wintertime cumulus over the UK: observations and modelling. Atmospheric Chemistry and Physics, 2012, 12, 4963-4985.	1.9	92
164	Aerosol observations and growth rates downwind of the anvil of a deep tropical thunderstorm. Atmospheric Chemistry and Physics, 2012, 12, 6157-6172.	1.9	17
165	Corrigendum to "Aerosol scattering and absorption during the EUCAARI-LONGREX flights of the Facility for Airborne Atmospheric Measurements (FAAM) BAe-146: can measurements and models agree?" published in Atmos. Chem. Phys., 12, 7251â€“7267, 2012. Atmospheric Chemistry and Physics, 2012, 12, 7429-7429.	1.9	0
166	Evolution of trace gases and particles emitted by a chaparral fire in California. Atmospheric Chemistry and Physics, 2012, 12, 1397-1421.	1.9	300
167	The lofting of Western Pacific regional aerosol by island thermodynamics as observed around Borneo. Atmospheric Chemistry and Physics, 2012, 12, 5963-5983.	1.9	10
168	Aerosol scattering and absorption during the EUCAARI-LONGREX flights of the Facility for Airborne Atmospheric Measurements (FAAM) BAe-146: can measurements and models agree?. Atmospheric Chemistry and Physics, 2012, 12, 7251-7267.	1.9	24
169	Modelling the partitioning of ammonium nitrate in the convective boundary layer. Atmospheric Chemistry and Physics, 2012, 12, 3005-3023.	1.9	47
170	Atmospheric chemistry and physics in the atmosphere of a developed megacity (London): an overview of the REPARTEE experiment and its conclusions. Atmospheric Chemistry and Physics, 2012, 12, 3065-3114.	1.9	124
171	Airborne measurements of trace gases and aerosols over the London metropolitan region. Atmospheric Chemistry and Physics, 2012, 12, 5163-5187.	1.9	43
172	A methodology for in-situ and remote sensing of microphysical and radiative properties of contrails as they evolve into cirrus. Atmospheric Chemistry and Physics, 2012, 12, 8157-8175.	1.9	16
173	Inadequacy of Optical Smoke Measurements for Characterization of Nonâ€“Light Absorbing Particulate Matter Emissions from Gas Turbine Engines. Combustion Science and Technology, 2012, 184, 2068-2083.	1.2	14
174	Impact of Alternative Fuels on Emissions Characteristics of a Gas Turbine Engine â€“ Part 2: Volatile and Semivolatile Particulate Matter Emissions. Environmental Science & Technology, 2012, 46, 10812-10819.	4.6	29
175	Characterizing the Aging of Biomass Burning Organic Aerosol by Use of Mixing Ratios: A Meta-analysis of Four Regions. Environmental Science & Technology, 2012, 46, 13093-13102.	4.6	109
176	Impact of Alternative Fuels on Emissions Characteristics of a Gas Turbine Engine â€“ Part 1: Gaseous and Particulate Matter Emissions. Environmental Science & Technology, 2012, 46, 10805-10811.	4.6	64
177	Studies of propane flame soot acting as heterogeneous ice nuclei in conjunction with single particle soot photometer measurements. Atmospheric Chemistry and Physics, 2011, 11, 9549-9561.	1.9	58
178	Airborne instruments to measure atmospheric aerosol particles, clouds and radiation: A cook's tour of mature and emerging technology. Atmospheric Research, 2011, 102, 10-29.	1.8	139
179	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. Atmospheric Chemistry and Physics, 2011, 11, 1039-1050.	1.9	152
180	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. Atmospheric Chemistry and Physics, 2011, 11, 12109-12136.	1.9	421

#	Article	IF	Citations
181	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€“ integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	1.9	278
182	South East Pacific atmospheric composition and variability sampled along 20Â° S during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 5237-5262.	1.9	119
183	Black carbon aerosol mixing state, organic aerosols and aerosol optical properties over the United Kingdom. Atmospheric Chemistry and Physics, 2011, 11, 9037-9052.	1.9	86
184	Overview of the synoptic and pollution situation over Europe during the EUCAARI-LONGREX field campaign. Atmospheric Chemistry and Physics, 2011, 11, 1065-1082.	1.9	79
185	Primary versus secondary contributions to particle number concentrations in the European boundary layer. Atmospheric Chemistry and Physics, 2011, 11, 12007-12036.	1.9	110
186	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. Atmospheric Chemistry and Physics, 2011, 11, 12673-12696.	1.9	240
187	An overview of the HIBISCUS campaign. Atmospheric Chemistry and Physics, 2011, 11, 2309-2339.	1.9	18
188	An aircraft case study of the spatial transition from closed to open mesoscale cellular convection over the Southeast Pacific. Atmospheric Chemistry and Physics, 2011, 11, 2341-2370.	1.9	142
189	Observations of ice multiplication in a weakly convective cell embedded in supercooled mid-level stratus. Atmospheric Chemistry and Physics, 2011, 11, 257-273.	1.9	119
190	On the impacts of phytoplankton-derived organic matter on the properties of the primary marine aerosol â€“ Part 2: Composition, hygroscopicity and cloud condensation activity. Atmospheric Chemistry and Physics, 2011, 11, 2585-2602.	1.9	106
191	Influences on the fraction of hydrophobic and hydrophilic black carbon in the atmosphere. Atmospheric Chemistry and Physics, 2011, 11, 5099-5112.	1.9	101
192	The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations. Atmospheric Chemistry and Physics, 2011, 11, 627-654.	1.9	272
193	Remarkable dynamics of nanoparticles in the urban atmosphere. Atmospheric Chemistry and Physics, 2011, 11, 6623-6637.	1.9	100
194	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. Atmospheric Chemistry and Physics, 2011, 11, 7669-7686.	1.9	329
195	Investigating organic aerosol loading in the remote marine environment. Atmospheric Chemistry and Physics, 2011, 11, 8847-8860.	1.9	54
196	Source attribution of Bornean air masses by back trajectory analysis during the OP3 project. Atmospheric Chemistry and Physics, 2011, 11, 9605-9630.	1.9	35
197	Size-resolved aerosol water uptake and cloud condensation nuclei measurements as measured above a Southeast Asian rainforest during OP3. Atmospheric Chemistry and Physics, 2011, 11, 11157-11174.	1.9	34
198	Primary and secondary marine organic aerosols over the North Atlantic Ocean during the MAP experiment. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	85

#	Article	IF	Citations
199	Estimation of spatial apportionment of greenhouse gas emissions for the UK using boundary layer measurements and inverse modelling technique. Atmospheric Environment, 2011, 45, 1042-1049.	1.9	36
200	Seasonal variation of fine particulate composition in the centre of a UK city. Atmospheric Environment, 2011, 45, 4379-4389.	1.9	20
201	In situ aerosol measurements taken during the 2007 COPS field campaign at the Hornisgrinde ground site. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 252-266.	1.0	8
202	Development of ice particles in convective clouds observed over the Black Forest mountains during COPS. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 275-286.	1.0	14
203	Tropospheric aerosols over West Africa: highlights from the AMMA international program. Atmospheric Science Letters, 2011, 12, 19-23.	0.8	28
204	Aerosol Chemistry and the Deepwater Horizon Spill. Science, 2011, 331, 1273-1274.	6.0	7
205	The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3177-3195.	1.8	36
206	Carbonaceous aerosols contributed by traffic and solid fuel burning at a polluted rural site in Northwestern England. Atmospheric Chemistry and Physics, 2011, 11, 1603-1619.	1.9	37
207	Enhancement of the aerosol direct radiative effect by semi-volatile aerosol components: airborne measurements in North-Western Europe. Atmospheric Chemistry and Physics, 2010, 10, 8151-8171.	1.9	105
208	Black carbon measurements in the boundary layer over western and northern Europe. Atmospheric Chemistry and Physics, 2010, 10, 9393-9414.	1.9	155
209	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. Atmospheric Chemistry and Physics, 2010, 10, 169-199.	1.9	130
210	Widening the gap between measurement and modelling of secondary organic aerosol properties?. Atmospheric Chemistry and Physics, 2010, 10, 2577-2593.	1.9	60
211	Consistency between parameterisations of aerosol hygroscopicity and CCN activity during the RHaMBLe discovery cruise. Atmospheric Chemistry and Physics, 2010, 10, 3189-3203.	1.9	112
212	Airborne measurements of the spatial distribution of aerosol chemical composition across Europe and evolution of the organic fraction. Atmospheric Chemistry and Physics, 2010, 10, 4065-4083.	1.9	184
213	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. Atmospheric Chemistry and Physics, 2010, 10, 4795-4807.	1.9	124
214	Corrigendum to "Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools" published in Atmos. Chem. Phys., 10, 169â€“199, 2010. Atmospheric Chemistry and Physics, 2010, 10, 563-563.	1.9	5
215	Contributions from transport, solid fuel burning and cooking to primary organic aerosols in two UK cities. Atmospheric Chemistry and Physics, 2010, 10, 647-668.	1.9	366
216	Single particle characterization of black carbon aerosols at a tropospheric alpine site in Switzerland. Atmospheric Chemistry and Physics, 2010, 10, 7389-7407.	1.9	109

#	Article	IF	Citations
217	Aerosol fluxes and dynamics within and above a tropical rainforest in South-East Asia. Atmospheric Chemistry and Physics, 2010, 10, 9369-9382.	1.9	41
218	Chemical and aerosol characterisation of the troposphere over West Africa during the monsoon period as part of AMMA. Atmospheric Chemistry and Physics, 2010, 10, 7575-7601.	1.9	93
219	On the impacts of phytoplankton-derived organic matter on the properties of the primary marine aerosol â€“ Part 1: Source fluxes. Atmospheric Chemistry and Physics, 2010, 10, 9295-9317.	1.9	109
220	Laboratory-generated primary marine aerosol via bubble-bursting and atomization. Atmospheric Measurement Techniques, 2010, 3, 141-162.	1.2	142
221	The Influence of Algal Exudate on the Hygroscopicity of Sea Spray Particles. Advances in Meteorology, 2010, 2010, 1-11.	0.6	16
222	Instrumentational operation and analytical methodology for the reconciliation of aerosol water uptake under sub- and supersaturated conditions. Atmospheric Measurement Techniques, 2010, 3, 1241-1254.	1.2	42
223	Evidence of internal mixing of African dust and biomass burning particles by individual particle analysis using electron beam techniques. Journal of Geophysical Research, 2010, 115, .	3.3	50
224	Modelling of chemical and physical aerosol properties during the ADRIEX aerosol campaign. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 53-66.	1.0	8
225	Inversion of tandem differential mobility analyser (TDMA) measurements. Journal of Aerosol Science, 2009, 40, 134-151.	1.8	273
226	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. Geophysical Research Letters, 2009, 36, .	1.5	171
227	Evolution of Organic Aerosols in the Atmosphere. Science, 2009, 326, 1525-1529.	6.0	3,374
228	A comparison between trajectory ensemble and adiabatic parcel modeled cloud properties and evaluation against airborne measurements. Journal of Geophysical Research, 2009, 114, .	3.3	23
229	Influence of particle chemical composition on the phase of cold clouds at a highâ€alpine site in Switzerland. Journal of Geophysical Research, 2009, 114, .	3.3	30
230	Real-time secondary aerosol formation during a fog event in London. Atmospheric Chemistry and Physics, 2009, 9, 2459-2469.	1.9	114
231	Real time chemical characterization of local and regional nitrate aerosols. Atmospheric Chemistry and Physics, 2009, 9, 3709-3720.	1.9	82
232	Secondary organic aerosol from biogenic VOCs over West Africa during AMMA. Atmospheric Chemistry and Physics, 2009, 9, 3841-3850.	1.9	85
233	Vertical distribution of sub-micron aerosol chemical composition from North-Western Europe and the North-East Atlantic. Atmospheric Chemistry and Physics, 2009, 9, 5389-5401.	1.9	86
234	Composition and properties of atmospheric particles in the eastern Atlantic and impacts on gas phase uptake rates. Atmospheric Chemistry and Physics, 2009, 9, 9299-9314.	1.9	58

#	Article	IF	Citations
235	Prediction of visibility and aerosol within the operational Met Office Unified Model. II: Validation of model performance using observational data. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1817-1832.	1.0	34
236	Aerosol and traceâ€gas measurements in the Darwin area during the wet season. Journal of Geophysical Research, 2008, 113, .	3.3	49
237	Seasonal variations of the physical and optical characteristics of Saharan dust: Results from the Dust Outflow and Deposition to the Ocean (DODO) experiment. Journal of Geophysical Research, 2008, 113, .	3.3	153
238	Source attribution of urban smog episodes caused by coal combustion. Atmospheric Research, 2008, 88, 294-304.	1.8	36
239	Aging of biomass burning aerosols over West Africa: Aircraft measurements of chemical composition, microphysical properties, and emission ratios. Journal of Geophysical Research, 2008, 113, .	3.3	238
240	Regional variability of the composition of mineral dust from western Africa: Results from the AMMA SOP0/DABEX and DODO field campaigns. Journal of Geophysical Research, 2008, 113, .	3.3	152
241	Overview of the Dust and Biomassâ€burning Experiment and African Monsoon Multidisciplinary Analysis Special Observing Periodâ€0. Journal of Geophysical Research, 2008, 113, .	3.3	188
242	Correction to â€œAerosol and trace-gas measurements in the Darwin area during the wet seasonâ€. Journal of Geophysical Research, 2008, 113, .	3.3	5
243	The influence of small aerosol particles on the properties of water and ice clouds. Faraday Discussions, 2008, 137, 205-222.	1.6	43
244	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. Atmospheric Chemistry and Physics, 2008, 8, 2007-2025.	1.9	94
245	Chemical composition of free tropospheric aerosol for PM1 and coarse mode at the high alpine site Jungfraujoch. Atmospheric Chemistry and Physics, 2008, 8, 407-423.	1.9	144
246	Hygroscopicity of the submicrometer aerosol at the high-alpine site Jungfraujoch, 3580 m a.s.l., Switzerland. Atmospheric Chemistry and Physics, 2008, 8, 5715-5729.	1.9	100
247	The role of VOC oxidation products in continental new particle formation. Atmospheric Chemistry and Physics, 2008, 8, 2657-2665.	1.9	202
248	Closure study between chemical composition and hygroscopic growth of aerosol particles during TORCH2. Atmospheric Chemistry and Physics, 2007, 7, 6131-6144.	1.9	273
249	A study of the effect of overshooting deep convection on the water content of the TTL and lower stratosphere from Cloud Resolving Model simulations. Atmospheric Chemistry and Physics, 2007, 7, 4977-5002.	1.9	77
250	Technical Note: Description and Use of the New Jump Mass Spectrum Mode of Operation for the Aerodyne Quadrupole Aerosol Mass Spectrometers (Q-AMS). Aerosol Science and Technology, 2007, 41, 865-872.	1.5	28
251	Hygroscopic growth and water uptake kinetics of two-phase aerosol particles consisting of ammonium sulfate, adipic and humic acid mixtures. Journal of Aerosol Science, 2007, 38, 157-171.	1.8	206
252	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenicallyâ€influenced Northern Hemisphere midlatitudes. Geophysical Research Letters, 2007, 34, .	1.5	1,773

#	Article	IF	Citations
253	Chemical composition observed over the mid-Atlantic and the detection of pollution signatures far from source regions. Journal of Geophysical Research, 2007, 112, .	3.3	70
254	Chemical and microphysical characterization of ambient aerosols with the aerodyne aerosol mass spectrometer. Mass Spectrometry Reviews, 2007, 26, 185-222.	2.8	1,708
255	Chemical composition of summertime aerosol in the Po Valley (Italy), northern Adriatic and Black Sea. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 61-75.	1.0	111
256	Aerosol Direct Radiative Impact Experiment (ADRIEX) overview. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 3-15.	1.0	32
257	Intercomparison of VACC- and AMS-derived nitrate, sulphate and ammonium aerosol loadings during ADRIEX. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 77-84.	1.0	10
258	A comparison of aerosol optical and chemical properties over the Adriatic and Black Seas during summer 2004: Two case-studies from ADRIEX. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 33-45.	1.0	13
259	Evidence for large average concentrations of the nitrate radical (NO3) in Western Europe from the HANSA hydrocarbon database. Atmospheric Environment, 2007, 41, 3465-3478.	1.9	30
260	Foot-and-mouth disease â€“ Quantification and size distribution of airborne particles emitted by healthy and infected pigs. Veterinary Journal, 2007, 174, 42-53.	0.6	29
261	Closure Between Chemical Composition and Hygroscopic Growth of Aerosol Particles During TORCH2. , 2007, , 731-735.		1
262	Establishing Lagrangian connections between observations within air masses crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation experiment. Journal of Geophysical Research, 2006, 111, .	3.3	60
263	The effect of physical and chemical aerosol properties on warm cloud droplet activation. Atmospheric Chemistry and Physics, 2006, 6, 2593-2649.	1.9	690
264	A mass spectrometric study of secondary organic aerosols formed from the photooxidation of anthropogenic and biogenic precursors in a reaction chamber. Atmospheric Chemistry and Physics, 2006, 6, 5279-5293.	1.9	247
265	Measurements and modelling of I₂, IO, OIO, BrO and NO₃ in the mid-latitude marine boundary layer. Atmospheric Chemistry and Physics, 2006, 6, 1513-1528.	1.9	113
266	The North Atlantic Marine Boundary Layer Experiment(NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002. Atmospheric Chemistry and Physics, 2006, 6, 2241-2272.	1.9	65
267	Size and composition measurements of background aerosol and new particle growth in a Finnish forest during QUEST 2 using an Aerodyne Aerosol Mass Spectrometer. Atmospheric Chemistry and Physics, 2006, 6, 315-327.	1.9	150
268	Chemical and physical characteristics of aerosol particles at a remote coastal location, Mace Head, Ireland, during NAMBLEX. Atmospheric Chemistry and Physics, 2006, 6, 3289-3301.	1.9	47
269	Simulating regional scale secondary organic aerosol formation during the TORCH 2003 campaign in the southern UK. Atmospheric Chemistry and Physics, 2006, 6, 403-418.	1.9	170
270	Boundary layer structure and decoupling from synoptic scale flow during NAMBLEX. Atmospheric Chemistry and Physics, 2006, 6, 433-445.	1.9	33

#	Article	IF	Citations
271	The characterisation of pollution aerosol in a changing photochemical environment. Atmospheric Chemistry and Physics, 2006, 6, 5573-5588.	1.9	55
272	Use of aircraft to probe the troposphere. European Physical Journal Special Topics, 2006, 139, 295-320.	0.2	1
273	A curved multi-component aerosol hygroscopicity model framework: Part 2 â€“ Including organic compounds. Atmospheric Chemistry and Physics, 2005, 5, 1223-1242.	1.9	171
274	A curved multi-component aerosol hygroscopicity model framework: Part 1 â€“ Inorganic compounds. Atmospheric Chemistry and Physics, 2005, 5, 1205-1222.	1.9	244
275	The water-soluble organic component of size-segregated aerosol, cloud water and wet depositions from Jeju Island during ACE-Asia. Atmospheric Environment, 2005, 39, 211-222.	1.9	152
276	Using NOx and CO monitoring data to indicate fine aerosol number concentrations and emission factors in three UK conurbations. Atmospheric Environment, 2005, 39, 5157-5169.	1.9	26
277	Secondary organic aerosols from anthropogenic and biogenic precursors. Faraday Discussions, 2005, 130, 265.	1.6	245
278	Simplification of the representation of the organic component of atmospheric particulates. Faraday Discussions, 2005, 130, 341.	1.6	118
279	Deconvolution and Quantification of Hydrocarbon-like and Oxygenated Organic Aerosols Based on Aerosol Mass Spectrometry. Environmental Science & Technology, 2005, 39, 4938-4952.	4.6	617
280	A modified hygroscopic tandem DMA and a data retrieval method based on optimal estimation. Journal of Aerosol Science, 2005, 36, 846-865.	1.8	65
281	Impact of halogen monoxide chemistry upon boundary layer OH and HO2concentrations at a coastal site. Geophysical Research Letters, 2005, 32, .	1.5	113
282	Aerosol chemical characteristics from sampling conducted on the Island of Jeju, Korea during ACE Asia. Atmospheric Environment, 2004, 38, 2111-2123.	1.9	91
283	Characterization of urban and rural organic particulate in the Lower Fraser Valley using two Aerodyne Aerosol Mass Spectrometers. Atmospheric Environment, 2004, 38, 5745-5758.	1.9	384
284	Chemical and physical processes controlling the distribution of aerosols in the Lower Fraser Valley, Canada, during the Pacific 2001 field campaign. Atmospheric Environment, 2004, 38, 5759-5774.	1.9	29
285	Oxidized nitrogen and ozone interaction with forests. I: Experimental observations and analysis of exchange with Douglas fir. Quarterly Journal of the Royal Meteorological Society, 2004, 130, 1941-1955.	1.0	38
286	Volatile organic compound measurements at Trinidad Head, California, during ITCT 2K2: Analysis of sources, atmospheric composition, and aerosol residence times. Journal of Geophysical Research, 2004, 109, .	3.3	56
287	Submicron aerosol composition at Trinidad Head, California, during ITCT 2K2: Its relationship with gas phase volatile organic carbon and assessment of instrument performance. Journal of Geophysical Research, 2004, 109, .	3.3	144
288	Derivation and validation of photolysis rates of O3, NO2, and CH2O from a GUV-541 radiometer. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	4

#	Article	IF	Citations
289	A generalised method for the extraction of chemically resolved mass spectra from Aerodyne aerosol mass spectrometer data. Journal of Aerosol Science, 2004, 35, 909-922.	1.8	702
290	Direct evidence for coastal iodine particles from Laminaria macroalgae â€“ linkage to emissions of molecular iodine. Atmospheric Chemistry and Physics, 2004, 4, 701-713.	1.9	252
291	Aircraft Particle Inlets: State-of-the-Art and Future Needs. Bulletin of the American Meteorological Society, 2004, 85, 89-92.	1.7	18
292	Quantitative sampling using an Aerodyne aerosol mass spectrometer 1. Techniques of data interpretation and error analysis. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	374
293	Quantitative sampling using an Aerodyne aerosol mass spectrometer 2. Measurements of fine particulate chemical composition in two U.K. cities. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	166
294	Correction to â€œQuantitative sampling using an Aerodyne aerosol mass spectrometer: 1. Techniques of data interpretation and error analysisâ€• Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	17
295	Retrieval of vertical profiles of NO3 from zenith sky measurements using an optimal estimation method. Journal of Geophysical Research, 2002, 107, ACH 10-1-ACH 10-14.	3.3	13
296	Observations of NO3 concentration profiles in the troposphere. Journal of Geophysical Research, 2002, 107, ACH 11-1-ACH 11-14.	3.3	29
297	Ozone deposition to coastal waters. Quarterly Journal of the Royal Meteorological Society, 2001, 127, 539-558.	1.0	39
298	Ozone Dry Deposition Velocities for Coastal Waters. Water, Air and Soil Pollution, 2001, 1, 233-242.	0.8	12
299	Ozone deposition to coastal waters. , 2001, 127, 539.		2
300	Ozone Dry Deposition Velocities for Coastal Waters. , 2001, , 233-242.		0
301	Intercomparison of Formaldehyde Measurements in Clean and Polluted Atmospheres. Journal of Atmospheric Chemistry, 2000, 37, 53-80.	1.4	59
302	Behavior of ultrafine particles in continental and marine air masses at a rural site in the United Kingdom. Journal of Geophysical Research, 2000, 105, 26891-26905.	3.3	28
303	The nitrate radical in the remote marine boundary layer. Journal of Geophysical Research, 2000, 105, 24191-24204.	3.3	95
304	Aerosol Development and Interaction in an Urban Plume. Aerosol Science and Technology, 2000, 32, 120-126.	1.5	28
305	Observations of iodine monoxide in the remote marine boundary layer. Journal of Geophysical Research, 2000, 105, 14363-14369.	3.3	160
306	Observations of the Nitrate Radical in the Marine Boundary Layer. Journal of Atmospheric Chemistry, 1999, 33, 129-154.	1.4	113

#	Article	IF	Citations
307	The Weybourne Atmospheric Observatory. Journal of Atmospheric Chemistry, 1999, 33, 107-110.	1.4	26
308	Simultaneous observations of nitrate and peroxy radicals in the marine boundary layer. Journal of Geophysical Research, 1997, 102, 18917-18933.	3.3	98
309	Observations of the nitrate radical in the free troposphere at IzaÃ±a de Tenerife. Journal of Geophysical Research, 1997, 102, 10613-10622.	3.3	42
310	Canopy scale measurements of stomatal and cuticular 03 uptake by sitka spruce. Atmospheric Environment, 1995, 29, 1413-1423.	1.9	76
311	Measurements and modelling of cloudwater deposition to moorland and forests. Environmental Pollution, 1992, 75, 97-107.	3.7	27
312	Measurements of Dry Deposition of No2 to A Dutch Heathland Using the Eddy-Correlation Technique. Quarterly Journal of the Royal Meteorological Society, 1992, 118, 767-786.	1.0	21
313	SO2 oxidation in an entraining cloud model with explicit microphysics. Atmospheric Environment Part A General Topics, 1991, 25, 2401-2418.	1.3	36
314	A model of occult deposition applicable to complex terrain. Quarterly Journal of the Royal Meteorological Society, 1991, 117, 803-823.	1.0	9
315	Atmospheric Energy and the Structure of the Atmosphere. , 0, , 35-58.		1
316	Mass Spectrometric Methods for Arosol Composition Masurements. , 0, , 267-310.		5