

Hugh Coe

List of Publications by Year in descending order

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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	Evolution of Organic Aerosols in the Atmosphere. <i>Science</i> , 2009, 326, 1525-1529.	6.0	3,374
2	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	1,773
3	Chemical and microphysical characterization of ambient aerosols with the aerodyne aerosol mass spectrometer. <i>Mass Spectrometry Reviews</i> , 2007, 26, 185-222.	2.8	1,708
4	A generalised method for the extraction of chemically resolved mass spectra from Aerodyne aerosol mass spectrometer data. <i>Journal of Aerosol Science</i> , 2004, 35, 909-922.	1.8	702
5	The effect of physical and chemical aerosol properties on warm cloud droplet activation. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2593-2649.	1.9	690
6	Deconvolution and Quantification of Hydrocarbon-like and Oxygenated Organic Aerosols Based on Aerosol Mass Spectrometry. <i>Environmental Science & Technology</i> , 2005, 39, 4938-4952.	4.6	617
7	Improving our fundamental understanding of the role of aerosol-cloud interactions in the climate system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5781-5790.	3.3	479
8	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12109-12136.	1.9	421
9	Characterization of urban and rural organic particulate in the Lower Fraser Valley using two Aerodyne Aerosol Mass Spectrometers. <i>Atmospheric Environment</i> , 2004, 38, 5745-5758.	1.9	384
10	Quantitative sampling using an Aerodyne aerosol mass spectrometer 1. Techniques of data interpretation and error analysis. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	374
11	Contributions from transport, solid fuel burning and cooking to primary organic aerosols in two UK cities. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 647-668.	1.9	366
12	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7669-7686.	1.9	329
13	Black-carbon absorption enhancement in the atmosphere determined by particle mixing state. <i>Nature Geoscience</i> , 2017, 10, 184-188.	5.4	303
14	Evolution of trace gases and particles emitted by a chaparral fire in California. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1397-1421.	1.9	300
15	Absorptivity of brown carbon in fresh and photo-chemically aged biomass-burning emissions. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7683-7693.	1.9	297
16	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) – integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13061-13143.	1.9	278
17	Closure study between chemical composition and hygroscopic growth of aerosol particles during TORCH2. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 6131-6144.	1.9	273
18	Inversion of tandem differential mobility analyser (TDMA) measurements. <i>Journal of Aerosol Science</i> , 2009, 40, 134-151.	1.8	273

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19	The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 627-654.	1.9	272
20	Direct evidence for coastal iodine particles from <i>Laminaria</i> macroalgae â€“ linkage to emissions of molecular iodine. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 701-713.	1.9	252
21	A mass spectrometric study of secondary organic aerosols formed from the photooxidation of anthropogenic and biogenic precursors in a reaction chamber. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5279-5293.	1.9	247
22	Secondary organic aerosols from anthropogenic and biogenic precursors. <i>Faraday Discussions</i> , 2005, 130, 265.	1.6	245
23	A curved multi-component aerosol hygroscopicity model framework: Part 1 â€“ Inorganic compounds. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1205-1222.	1.9	244
24	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12673-12696.	1.9	240
25	Aging of biomass burning aerosols over West Africa: Aircraft measurements of chemical composition, microphysical properties, and emission ratios. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	238
26	Exploiting simultaneous observational constraints on mass and absorption to estimate the global direct radiative forcing of black carbon and brown carbon. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10989-11010.	1.9	213
27	Hygroscopic growth and water uptake kinetics of two-phase aerosol particles consisting of ammonium sulfate, adipic and humic acid mixtures. <i>Journal of Aerosol Science</i> , 2007, 38, 157-171.	1.8	206
28	The role of VOC oxidation products in continental new particle formation. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2657-2665.	1.9	202
29	Strong constraints on aerosolâ€“cloud interactions from volcanic eruptions. <i>Nature</i> , 2017, 546, 485-491.	13.7	191
30	Overview of the Dust and Biomassâ€“burning Experiment and African Monsoon Multidisciplinary Analysis Special Observing Periodâ€“. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	188
31	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11807-11833.	1.9	185
32	Airborne measurements of the spatial distribution of aerosol chemical composition across Europe and evolution of the organic fraction. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4065-4083.	1.9	184
33	Air quality and human health improvements from reductions in deforestation-related fire in Brazil. <i>Nature Geoscience</i> , 2015, 8, 768-771.	5.4	180
34	A curved multi-component aerosol hygroscopicity model framework: Part 2 â€“ Including organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1223-1242.	1.9	171
35	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	171
36	Size distribution, mixing state and source apportionment of black carbon aerosol in London during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10061-10084.	1.9	171

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37	Simulating regional scale secondary organic aerosol formation during the TORCH 2003 campaign in the southern UK. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 403-418.	1.9	170
38	Quantitative sampling using an Aerodyne aerosol mass spectrometer 2. Measurements of fine particulate chemical composition in two U.K. cities. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	166
39	Observations of iodine monoxide in the remote marine boundary layer. <i>Journal of Geophysical Research</i> , 2000, 105, 14363-14369.	3.3	160
40	Black carbon measurements in the boundary layer over western and northern Europe. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9393-9414.	1.9	155
41	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From High-Resolution Aerosol Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1132-1147.	1.2	155
42	Seasonal variations of the physical and optical characteristics of Saharan dust: Results from the Dust Outflow and Deposition to the Ocean (DODO) experiment. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	153
43	The water-soluble organic component of size-segregated aerosol, cloud water and wet depositions from Jeju Island during ACE-Asia. <i>Atmospheric Environment</i> , 2005, 39, 211-222.	1.9	152
44	Regional variability of the composition of mineral dust from western Africa: Results from the AMMA SOPO/DABEX and DODO field campaigns. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	152
45	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1039-1050.	1.9	152
46	Single Particle Soot Photometer intercomparison at the AIDA chamber. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 3077-3097.	1.2	152
47	Ambient black carbon particle hygroscopic properties controlled by mixing state and composition. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2015-2029.	1.9	152
48	Size and composition measurements of background aerosol and new particle growth in a Finnish forest during QUEST 2 using an Aerodyne Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 315-327.	1.9	150
49	Submicron aerosol composition at Trinidad Head, California, during ITCT 2K2: Its relationship with gas phase volatile organic carbon and assessment of instrument performance. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	144
50	Chemical composition of free tropospheric aerosol for PM1 and coarse mode at the high alpine site Jungfraujoch. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 407-423.	1.9	144
51	Laboratory-generated primary marine aerosol via bubble-bursting and atomization. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 141-162.	1.2	142
52	An aircraft case study of the spatial transition from closed to open mesoscale cellular convection over the Southeast Pacific. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2341-2370.	1.9	142
53	Airborne instruments to measure atmospheric aerosol particles, clouds and radiation: A cook's tour of mature and emerging technology. <i>Atmospheric Research</i> , 2011, 102, 10-29.	1.8	139
54	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 169-199.	1.9	130

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55	Marine cloud brightening. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 4217-4262.	1.6	125
56	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
57	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
58	South East Pacific atmospheric composition and variability sampled along 20° S during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 5237-5262.	1.9	119
59	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
60	Simplification of the representation of the organic component of atmospheric particulates. Faraday Discussions, 2005, 130, 341.	1.6	118
61	New directions: Air pollution challenges for developing megacities like Delhi. Atmospheric Environment, 2015, 122, 657-661.	1.9	117
62	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
63	Real-time secondary aerosol formation during a fog event in London. Atmospheric Chemistry and Physics, 2009, 9, 2459-2469.	1.9	114
64	Observations of the Nitrate Radical in the Marine Boundary Layer. Journal of Atmospheric Chemistry, 1999, 33, 129-154.	1.4	113
65	Impact of halogen monoxide chemistry upon boundary layer OH and HO ₂ concentrations at a coastal site. Geophysical Research Letters, 2005, 32, .	1.5	113
66	Measurements and modelling of I ₂ , IO, OIO, BrO and NO ₃ in the mid-latitude marine boundary layer. Atmospheric Chemistry and Physics, 2006, 6, 1513-1528.	1.9	113
67	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
68	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
69	Primary versus secondary contributions to particle number concentrations in the European boundary layer. Atmospheric Chemistry and Physics, 2011, 11, 12007-12036.	1.9	110
70	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
71	On the impacts of phytoplankton-derived organic matter on the properties of the primary marine aerosol – Part 1: Source fluxes. Atmospheric Chemistry and Physics, 2010, 10, 9295-9317.	1.9	109
72	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

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73	On the impacts of phytoplankton-derived organic matter on the properties of the primary marine aerosol – Part 2: Composition, hygroscopicity and cloud condensation activity. Atmospheric Chemistry and Physics, 2011, 11, 2585-2602.	1.9	106
74	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
75	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
76	Influences on the fraction of hydrophobic and hydrophilic black carbon in the atmosphere. Atmospheric Chemistry and Physics, 2011, 11, 5099-5112.	1.9	101
77	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
78	Remarkable dynamics of nanoparticles in the urban atmosphere. Atmospheric Chemistry and Physics, 2011, 11, 6623-6637.	1.9	100
79	Simultaneous observations of nitrate and peroxy radicals in the marine boundary layer. Journal of Geophysical Research, 1997, 102, 18917-18933.	3.3	98
80	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
81	The mass and number size distributions of black carbon aerosol over Europe. Atmospheric Chemistry and Physics, 2013, 13, 4917-4939.	1.9	96
82	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
83	The nitrate radical in the remote marine boundary layer. Journal of Geophysical Research, 2000, 105, 24191-24204.	3.3	95
84	Introduction to the special issue – In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) – Atmospheric Chemistry and Physics, 2019, 19, 7519-7546.	1.9	95
85	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
86	Enhanced aerosol particle growth sustained by high continental chlorine emission in India. Nature Geoscience, 2021, 14, 77-84.	5.4	94
87	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
88	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
89	Aerosol chemical characteristics from sampling conducted on the Island of Jeju, Korea during ACE Asia. Atmospheric Environment, 2004, 38, 2111-2123.	1.9	91
90	An evaluation of global organic aerosol schemes using airborne observations. Atmospheric Chemistry and Physics, 2020, 20, 2637-2665.	1.9	90

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91	Contrasting physical properties of black carbon in urban Beijing between winter and summer. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6749-6769.	1.9	89
92	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3687-3701.	1.9	88
93	Vertical distribution of sub-micron aerosol chemical composition from North-Western Europe and the North-East Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5389-5401.	1.9	86
94	Black carbon aerosol mixing state, organic aerosols and aerosol optical properties over the United Kingdom. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9037-9052.	1.9	86
95	Secondary organic aerosol from biogenic VOCs over West Africa during AMMA. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3841-3850.	1.9	85
96	Primary and secondary marine organic aerosols over the North Atlantic Ocean during the MAP experiment. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	85
97	Size-dependent wet removal of black carbon in Canadian biomass burning plumes. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13755-13771.	1.9	85
98	The DACCIWA Project: Dynamicsâ€“Aerosolâ€“Chemistryâ€“Cloud Interactions in West Africa. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1451-1460.	1.7	84
99	Characterization of black carbon-containing fine particles in Beijing during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 447-458.	1.9	84
100	Real time chemical characterization of local and regional nitrate aerosols. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3709-3720.	1.9	82
101	Coarse-mode mineral dust size distributions, composition and optical properties from AER-D aircraft measurements over the tropical eastern Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17225-17257.	1.9	80
102	Overview of the synoptic and pollution situation over Europe during the EUCAARI-LONGREX field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1065-1082.	1.9	79
103	A study of the effect of overshooting deep convection on the water content of the TTL and lower stratosphere from Cloud Resolving Model simulations. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4977-5002.	1.9	77
104	The effect of complex black carbon microphysics on the determination of the optical properties of brown carbon. <i>Geophysical Research Letters</i> , 2015, 42, 613-619.	1.5	77
105	Canopy scale measurements of stomatal and cuticular O ₃ uptake by sitka spruce. <i>Atmospheric Environment</i> , 1995, 29, 1413-1423.	1.9	76
106	Oceanâ€“Cloudâ€“Atmosphereâ€“Land Interactions in the Southeastern Pacific: The VOCALS Program. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 357-375.	1.7	76
107	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5638-5657.	1.2	76
108	Online Chemical Characterization of Food-Cooking Organic Aerosols: Implications for Source Apportionment. <i>Environmental Science & Technology</i> , 2018, 52, 5308-5318.	4.6	76

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109	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 165-179.	1.9	73
110	Advanced source apportionment of size-resolved trace elements at multiple sites in London during winter. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11291-11309.	1.9	71
111	Chemical composition observed over the mid-Atlantic and the detection of pollution signatures far from source regions. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	70
112	Impacts of nonrefractory material on light absorption by aerosols emitted from biomass burning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,272.	1.2	69
113	Influence of aerosol chemical composition on NO_x uptake: airborne regional measurements in northwestern Europe. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 973-990.	1.9	66
114	A modified hygroscopic tandem DMA and a data retrieval method based on optimal estimation. <i>Journal of Aerosol Science</i> , 2005, 36, 846-865.	1.8	65
115	The North Atlantic Marine Boundary Layer Experiment(NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2241-2272.	1.9	65
116	Impact of Alternative Fuels on Emissions Characteristics of a Gas Turbine Engine – Part 1: Gaseous and Particulate Matter Emissions. <i>Environmental Science & Technology</i> , 2012, 46, 10805-10811.	4.6	64
117	Ozone photochemistry in boreal biomass burning plumes. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7321-7341.	1.9	64
118	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO_x in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2125-2147.	1.9	64
119	The Dynamics of Aerosol-Chemistry-Cloud Interactions in West Africa Field Campaign: Overview and Research Highlights. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 83-104.	1.7	62
120	Airborne observations of formic acid using a chemical ionization mass spectrometer. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 3029-3039.	1.2	61
121	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3077-3095.	1.9	61
122	Establishing Lagrangian connections between observations within air masses crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation experiment. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	60
123	Widening the gap between measurement and modelling of secondary organic aerosol properties?. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2577-2593.	1.9	60
124	Simulating secondary organic aerosol from missing diesel-related intermediate-volatility organic compound emissions during the Clean Air for London (ClearLo) campaign. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6453-6473.	1.9	60
125	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9125-9152.	1.9	60
126	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11201-11224.	1.9	60

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127	Intercomparison of Formaldehyde Measurements in Clean and Polluted Atmospheres. <i>Journal of Atmospheric Chemistry</i> , 2000, 37, 53-80.	1.4	59
128	Composition and properties of atmospheric particles in the eastern Atlantic and impacts on gas phase uptake rates. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9299-9314.	1.9	58
129	Studies of propane flame soot acting as heterogeneous ice nuclei in conjunction with single particle soot photometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9549-9561.	1.9	58
130	Production of N_2O and ClNO_2 in summer in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11581-11597.	1.9	57
131	The CLoud "Aerosol" Radiation Interaction and Forcing: Year 2017 (CLARIFY-2017) measurement campaign. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1049-1084.	1.9	57
132	Volatile organic compound measurements at Trinidad Head, California, during ITCT 2K2: Analysis of sources, atmospheric composition, and aerosol residence times. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	56
133	The characterisation of pollution aerosol in a changing photochemical environment. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5573-5588.	1.9	55
134	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l). <i>Environmental Science & Technology</i> , 2017, 51, 14072-14082.	4.6	55
135	Investigating organic aerosol loading in the remote marine environment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8847-8860.	1.9	54
136	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1857-1877.	1.7	52
137	Evaluation of ground-based black carbon measurements by filter-based photometers at two Arctic sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3544-3572.	1.2	51
138	Evidence of internal mixing of African dust and biomass burning particles by individual particle analysis using electron beam techniques. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	50
139	Aerosol and trace gas measurements in the Darwin area during the wet season. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	49
140	The importance of Asia as a source of black carbon to the European Arctic during springtime 2013. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11537-11555.	1.9	48
141	Chemical and physical characteristics of aerosol particles at a remote coastal location, Mace Head, Ireland, during NAMBLEX. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 3289-3301.	1.9	47
142	Modelling the partitioning of ammonium nitrate in the convective boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3005-3023.	1.9	47
143	Characterising Brazilian biomass burning emissions using WRF-Chem with MOSAIC sectional aerosol. <i>Geoscientific Model Development</i> , 2015, 8, 549-577.	1.3	47
144	Decrease in radiative forcing by organic aerosol nucleation, climate, and land use change. <i>Nature Communications</i> , 2019, 10, 423.	5.8	47

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145	Airborne observations of IEPOX-derived isoprene SOA in the Amazon during SAMBBA. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11393-11407.	1.9	46
146	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12109-12132.	1.9	46
147	Investigating the annual behaviour of submicron secondary inorganic and organic aerosols in London. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6351-6366.	1.9	46
148	Size-Related Physical Properties of Black Carbon in the Lower Atmosphere over Beijing and Europe. <i>Environmental Science & Technology</i> , 2019, 53, 11112-11121.	4.6	45
149	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6449-6463.	1.2	44
150	The influence of small aerosol particles on the properties of water and ice clouds. <i>Faraday Discussions</i> , 2008, 137, 205-222.	1.6	43
151	Airborne measurements of trace gases and aerosols over the London metropolitan region. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5163-5187.	1.9	43
152	Aged boreal biomass-burning aerosol size distributions from BORTAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1633-1646.	1.9	43
153	Observations of the nitrate radical in the free troposphere at Izaña de Tenerife. <i>Journal of Geophysical Research</i> , 1997, 102, 10613-10622.	3.3	42
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