

# Hugh Coe

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

397  
papers

25,042  
citations

80  
h-index

149  
g-index

456  
ext. papers

28,511  
ext. citations

6.7  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
397	Examining chemical composition of gas turbine-emitted organic aerosol using positive matrix factorisation (PMF). <i>Journal of Aerosol Science</i> , <b>2022</b> , 159, 105869	4.3	0
396	The effect of BC on aerosol boundary layer feedback: potential implications for urban pollution episodes. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 2937-2953	6.8	1
395	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	0
394	Physical and chemical properties of black carbon and organic matter from different combustion and photochemical sources using aerodynamic aerosol classification. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 16161-16182	6.8	2
393	Planetary Boundary Layer Height Modulates Aerosol-Water Vapor Interactions During Winter in the Megacity of Delhi. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035681	4.4	0
392	Chemical characterisation of benzene oxidation products under high- and low-NO <sub>2</sub> conditions using chemical ionisation mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3473-3490	6.8	4
391	Characterizing Black Carbon and Gaseous Pollutants on the Yangtze River Across Eastern China Continent. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033488	4.4	
390	Mixing state of refractory black carbon aerosol in the South Asian outflow over the northern Indian Ocean during winter. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 9173-9199	6.8	2
389	Rapid transformation of ambient absorbing aerosols from West African biomass burning. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 9417-9440	6.8	7
388	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. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8979-8997	6.8	3
387	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. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 10763-10777	6.8	2
386	Investigating Carbonaceous Aerosol and Its Absorption Properties From Fires in the Western United States (WE-CAN) and Southern Africa (ORACLES and CLARIFY). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034984	4.4	6
385	Using a coupled LES aerosol-radiation model to investigate the importance of aerosol-boundary layer feedback in a Beijing haze episode. <i>Faraday Discussions</i> , <b>2021</b> , 226, 173-190	3.6	2
384	Direct measurements of black carbon fluxes in central Beijing using the eddy covariance method. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 147-162	6.8	3
383	The Cloud-Aerosol-Radiation Interaction and Forcing: Year 2017 (CLARIFY-2017) measurement campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1049-1084	6.8	22
382	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , <b>2021</b> , 226, 382-408	3.6	3
381	Key Role of NO Radicals in the Production of Isoprene Nitrates and Nitroxyorganosulfates in Beijing. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 842-853	10.3	9

380	Low-NO atmospheric oxidation pathways in a polluted megacity. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1613-1625	6.8	6
379	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO <sub>x</sub> in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 2125-2147	6.8	22
378	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11201-11224	6.8	12
377	PM <sub>2.5</sub> composition and source apportionment at two sites in Delhi, India, across multiple seasons. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11655-11667	6.8	2
376	Characterizing the performance of a POPS miniaturized optical particle counter when operated on a quadcopter drone. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 6101-6118	4	0
375	Enhanced aerosol particle growth sustained by high continental chlorine emission in India. <i>Nature Geoscience</i> , <b>2021</b> , 14, 77-84	18.3	37
374	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. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4713-4734	6.8	17
373	Characterising mass-resolved mixing state of black carbon in Beijing using a morphology-independent measurement method. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3645-3661	6.8	14
372	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. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4031-4046	6.8	5
371	Transformation and ageing of biomass burning carbonaceous aerosol over tropical South America from aircraft in situ measurements during SAMBBA. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 5309-5326	6.8	16
370	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7531-7552	6.8	18
369	Seasonal contrast in size distributions and mixing state of black carbon and its association with PM <sub>2.5</sub> ; chemical composition from the eastern coast of India. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3965-3985	6.8	15
368	Using a coupled large-eddy simulation-aerosol radiation model to investigate urban haze: sensitivity to aerosol loading and meteorological conditions. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 11893-11906	6.8	4
367	Quantifying bioaerosol concentrations in dust clouds through online UV-LIF and mass spectrometry measurements at the Cape Verde Atmospheric Observatory. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14473-14490	6.8	
366	Oligomer and highly oxygenated organic molecule formation from oxidation of oxygenated monoterpenes emitted by California sage plants. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 10953-10965	6.8	2
365	Absorption closure in highly aged biomass burning smoke. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 11201-11221	6.8	15
364	Vertical variability of the properties of highly aged biomass burning aerosol transported over the southeast Atlantic during CLARIFY-2017. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 12697-12719	6.8	16
363	Airborne measurements of fire emission factors for African biomass burning sampled during the MOYA campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 15443-15459	6.8	5

362	An evaluation of global organic aerosol schemes using airborne observations. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 2637-2665	6.8	44
361	Robust observational constraint of uncertain aerosol processes and emissions in a climate model and the effect on aerosol radiative forcing. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 9491-9524	6.8	9
360	Oxygenated products formed from OH-initiated reactions of trimethylbenzene: autoxidation and accretion. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 9563-9579	6.8	11
359	Evaluation of the chemical composition of gas- and particle-phase products of aromatic oxidation. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 9783-9803	6.8	17
358	Large air quality and human health impacts due to Amazon forest and vegetation fires. <i>Environmental Research Communications</i> , <b>2020</b> , 2, 095001	3.1	11
357	Characterizing the Particle Composition and Cloud Condensation Nuclei from Shipping Emission in Western Europe. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15604-15612	10.3	7
356	Pollutant Emissions from Improved Cookstoves of the Type Used in Sub-Saharan Africa. <i>Combustion Science and Technology</i> , <b>2020</b> , 192, 1582-1602	1.5	12
355	Black carbon physical and optical properties across northern India during pre-monsoon and monsoon seasons. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 13079-13096	6.8	11
354	Transformation and aging of biomass burning carbonaceous aerosol over tropical South America from aircraft in-situ measurements during SAMBBA <b>2019</b> ,		5
353	An evaluation of global organic aerosol schemes using airborne observations <b>2019</b> ,		4
352	Seasonal contrast in size distributions and mixing state of black carbon and its association with PM1.0 chemical composition from the eastern coast of India <b>2019</b> ,		1
351	Characterization of black carbon-containing fine particles in Beijing during wintertime. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 447-458	6.8	51
350	Decrease in radiative forcing by organic aerosol nucleation, climate, and land use change. <i>Nature Communications</i> , <b>2019</b> , 10, 423	17.4	27
349	Aerosol influences on low-level clouds in the West African monsoon <b>2019</b> ,		1
348	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 165-179	6.8	52
347	Vertical and horizontal distribution of submicron aerosol chemical composition and physical characteristics across northern India during pre-monsoon and monsoon seasons. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5615-5634	6.8	30
346	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5771-5790	6.8	16
345	Contrasting physical properties of black carbon in urban Beijing between winter and summer. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 6749-6769	6.8	53

344	A method for extracting calibrated volatility information from the FIGAERO-HR-ToF-CIMS and its experimental application. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 1429-1439	4	20
343	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 7519-7546	6.8	73
342	Remote biomass burning dominates southern West African air pollution during the monsoon <b>2019</b> ,		3
341	Mineralogy and mixing state of north African mineral dust by online single-particle mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2259-2281	6.8	9
340	The radiative impact of out-of-cloud aerosol hygroscopic growth during the summer monsoon in southern West Africa. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 1505-1520	6.8	15
339	The effect of structure and isomerism on the vapor pressures of organic molecules and its potential atmospheric relevance. <i>Aerosol Science and Technology</i> , <b>2019</b> , 53, 1040-1055	3.4	7
338	Size-Related Physical Properties of Black Carbon in the Lower Atmosphere over Beijing and Europe. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11112-11121	10.3	24
337	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 9125-9152	6.8	37
336	The roles of volatile organic compound deposition and oxidation mechanisms in determining secondary organic aerosol production: a global perspective using the UKCA chemistry climate model (vn8.4). <i>Geoscientific Model Development</i> , <b>2019</b> , 12, 2539-2569	6.3	4
335	Aerosol influences on low-level clouds in the West African monsoon. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 8503-8522	6.8	12
334	A Large Source of Atomic Chlorine From ClNO <sub>2</sub> Photolysis at a U.K. Landfill Site. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8508-8516	4.9	6
333	In situ constraints on the vertical distribution of global aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 11765-11790	6.8	15
332	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 6449-6463	4	29
331	Non-deforestation drivers of fires are increasingly important sources of aerosol and carbon dioxide emissions across Amazonia. <i>Scientific Reports</i> , <b>2019</b> , 9, 16975	4.9	22
330	Remote biomass burning dominates southern West African air pollution during the monsoon. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 15217-15234	6.8	19
329	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> , <b>2019</b> , 124, 1132-1147	4.4	109
328	Observations of Isocyanate, Amide, Nitrate, and Nitro Compounds From an Anthropogenic Biomass Burning Event Using a ToF-CIMS. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7687	4.4	21
327	Highly controlled, reproducible measurements of aerosol emissions from combustion of a common African biofuel source. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 385-403	6.8	14

326	Online Chemical Characterization of Food-Cooking Organic Aerosols: Implications for Source Apportionment. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5308-5318	10.3	53
325	The Dynamics of Aerosol-Chemistry-Cloud Interactions in West Africa Field Campaign: Overview and Research Highlights. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 83-104	6.1	53
324	Aircraft and ground measurements of dust aerosols over the west African coast in summer 2015 during ICE-D and AER-D. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 3817-3838	6.8	30
323	Simultaneous aerosol mass spectrometry and chemical ionisation mass spectrometry measurements during a biomass burning event in the UK: insights into nitrate chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4093-4111	6.8	22
322	Modelling carbonaceous aerosol from residential solid fuel burning with different assumptions for emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4497-4518	6.8	6
321	Assessing the role of anthropogenic and biogenic sources on PM <sub>2.5</sub> over southern West Africa using aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 757-772	6.8	20
320	Mixing State of Carbonaceous Aerosols of Primary Emissions from "Improved" African Cookstoves. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10134-10143	10.3	13
319	Particle and VOC emission factor measurements for anthropogenic sources in West Africa. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7691-7708	6.8	30
318	Near-field emission profiling of tropical forest and Cerrado fires in Brazil during SAMBBA 2012. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5619-5638	6.8	14
317	Contrasting physical properties of black carbon in urban Beijing between winter and summer <b>2018</b> ,		2
316	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> , <b>2018</b> , 18, 17225-17257	6.8	51
315	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model <b>2018</b> ,		2
314	Introduction to Special Issue "In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <b>2018</b> ,		3
313	Aerosol liquid water content in the moist southern West African monsoon layer and its radiative impact. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14271-14295	6.8	15
312	The role of droplet sedimentation in the evolution of low-level clouds over southern West Africa. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14253-14269	6.8	9
311	Numerical simulations of aerosol radiative effects and their impact on clouds and atmospheric dynamics over southern West Africa. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 9767-9788	6.8	28
310	Quantification of ash sedimentation dynamics through depolarisation imaging with AshCam. <i>Scientific Reports</i> , <b>2018</b> , 8, 15680	4.9	2
309	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA <b>2018</b> ,		1

308	Observations of organic and inorganic chlorinated compounds and their contribution to chlorine radical concentrations in an urban environment in northern Europe during the wintertime. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13481-13493	6.8	19
307	Coarse mode mineral dust size distributions, composition and optical properties from AER-D aircraft measurements over the Tropical Eastern Atlantic <b>2018</b> ,		1
306	Characterization of black carbon-containing fine particles in Beijing during wintertime <b>2018</b> ,		1
305	Production of N <sub>2</sub> O and ClNO <sub>2</sub> and ClNO <sub>2</sub> in summer in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11581-11597	6.8	40
304	Flow rate and source reservoir identification from airborne chemical sampling of the uncontrolled Elgin platform gas release. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 1725-1739	4	10
303	Online differentiation of mineral phase in aerosol particles by ion formation mechanism using a $\mu$ LAP-TOF single-particle mass spectrometer. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 195-213 <sup>4</sup>		13
302	Evaluation of ground-based black carbon measurements by filter-based photometers at two Arctic sites. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3544-3572	4.4	41
301	Black-carbon absorption enhancement in the atmosphere determined by particle mixing state. <i>Nature Geoscience</i> , <b>2017</b> , 10, 184-188	18.3	212
300	Investigation of Turbulence Parametrization Schemes with Reference to the Atmospheric Boundary Layer Over the Aegean Sea During Etesian Winds. <i>Boundary-Layer Meteorology</i> , <b>2017</b> , 164, 303-329	3.4	7
299	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 1857-1877	6.1	43
298	Strong constraints on aerosol-cloud interactions from volcanic eruptions. <i>Nature</i> , <b>2017</b> , 546, 485-491	50.4	133
297	Near-field emission profiling of Rainforest and Cerrado fires in Brazil during SAMBBA 2012 <b>2017</b> ,		2
296	Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 83-107	4	7
295	Simultaneous Aerosol Mass Spectrometry and Chemical Ionisation Mass Spectrometry measurements during a biomass burning event in the UK: Insights into nitrate chemistry <b>2017</b> ,		4
294	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l). <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14072-14082	10.3	40
293	Validation of LIRIC aerosol concentration retrievals using airborne measurements during a biomass burning episode over Athens. <i>Atmospheric Research</i> , <b>2017</b> , 183, 255-267	5.4	8
292	Evaluating the influence of laser wavelength and detection stage geometry on optical detection efficiency in a single-particle mass spectrometer. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 6051-6058	4	17
291	Wintertime aerosol chemical composition, volatility, and spatial variability in the greater London area. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 1139-1160	6.8	25

290	Evaluation of biomass burning aerosols in the HadGEM3 climate model with observations from the SAMBBA field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14657-14685	6.8	29
289	Organic aerosol source apportionment in London 2013 with ME-2: exploring the solution space with annual and seasonal analysis. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 15545-15559	6.8	21
288	Simulating secondary organic aerosol from missing diesel-related intermediate-volatility organic compound emissions during the Clean Air for London (ClearfLo) campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 6453-6473	6.8	44
287	Biogenic cloud nuclei in the central Amazon during the transition from wet to dry season. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9727-9743	6.8	31
286	Model simulations of cooking organic aerosol (COA) over the UK using estimates of emissions based on measurements at two sites in London. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 13773-13789	6.8	25
285	Comment on The effects of molecular weight and thermal decomposition on the sensitivity of a thermal desorption aerosol mass spectrometer. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, i-xv	3.4	33
284	Atmospheric composition in the Eastern Mediterranean: Influence of biomass burning during summertime using the WRF-Chem model. <i>Atmospheric Environment</i> , <b>2016</b> , 132, 317-331	5.3	24
283	Evaluation of biomass burning aerosols in the HadGEM3 climate model with observations from the SAMBBA field campaign <b>2016</b> ,		4
282	Simulating secondary organic aerosol from missing diesel-related intermediate-volatility organic compound emissions during the Clean Air for London (ClearfLo) campaign <b>2016</b> ,		3
281	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> , <b>2016</b> , 113, 5781-5790	11.5	314
280	Assessment of the sensitivity of core / shell parameters derived using the single-particle soot photometer to density and refractive index. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 1701-1718	4	67
279	New directions: Air pollution challenges for developing megacities like Delhi. <i>Atmospheric Environment</i> , <b>2015</b> , 122, 657-661	5.3	90
278	Air quality and human health improvements from reductions in deforestation-related fire in Brazil. <i>Nature Geoscience</i> , <b>2015</b> , 8, 768-771	18.3	122
277	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> , <b>2015</b> , 120, 5638-5657	4.4	66
276	The effect of complex black carbon microphysics on the determination of the optical properties of brown carbon. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 613-619	4.9	62
275	Investigating a two-component model of solid fuel organic aerosol in London: processes, PM <sub>2.5</sub> contributions, and seasonality. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2429-2443	6.8	25
274	Influence of aerosol chemical composition on N <sub>2</sub> O <sub>5</sub> uptake: airborne regional measurements in northwestern Europe. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 973-990	6.8	51
273	WRF-Chem model predictions of the regional impacts of N <sub>2</sub> O <sub>5</sub> heterogeneous processes on night-time chemistry over north-western Europe. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1385-1409	6.8	26



272	Aged boreal biomass-burning aerosol size distributions from BORTAS 2011. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1633-1646	6.8	34
271	Receptor modelling of fine particles in southern England using CMB including comparison with AMS-PMF factors. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2139-2158	6.8	29
270	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 3077-3095	6.8	52
269	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 3687-3701	6.8	77
268	Investigating the annual behaviour of submicron secondary inorganic and organic aerosols in London. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 6351-6366	6.8	37
267	Investigating the links between ozone and organic aerosol chemistry in a biomass burning plume from a prescribed fire in California chaparral. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 6667-6688	6.8	76
266	Advanced source apportionment of size-resolved trace elements at multiple sites in London during winter. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11291-11309	6.8	54
265	The importance of Asia as a source of black carbon to the European Arctic during springtime 2013. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11537-11555	6.8	44
264	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> , <b>2015</b> , 15, 11807-11833	6.8	159
263	Aerosol chemistry above an extended archipelago of the eastern Mediterranean basin during strong northern winds. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8401-8421	6.8	12
262	Characterising Brazilian biomass burning emissions using WRF-Chem with MOSAIC sectional aerosol. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 549-577	6.3	42
261	Physical and chemical processes of air masses in the Aegean Sea during Etesians: Aegean-GAME airborne campaign. <i>Science of the Total Environment</i> , <b>2015</b> , 506-507, 201-16	10.2	26
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