

Andre Prevot

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.

548
papers

37,840
citations

88
h-index

180
g-index

601
ext. papers

43,760
ext. citations

6.6
avg, IF

6.8
L-index

#	Paper	IF	Citations
548	Elucidating the present-day chemical composition, seasonality and source regions of climate-relevant aerosols across the Arctic land surface. <i>Environmental Research Letters</i> , 2022 , 17, 034032	6.2	3
547	Equal abundance of summertime natural and wintertime anthropogenic Arctic organic aerosols.. <i>Nature Geoscience</i> , 2022 , 15, 196-202	18.3	6
546	Investigating sources of surface ozone in central Europe during the hot summer in 2018: High temperatures, but not so high ozone. <i>Atmospheric Environment</i> , 2022 , 119099	5.3	0
545	Organic aerosol source apportionment by using rolling positive matrix factorization: Application to a Mediterranean coastal city. <i>Atmospheric Environment: X</i> , 2022 , 14, 100176	2.8	1
544	Fragment ion functional group relationships in organic aerosols using aerosol mass spectrometry and mid-infrared spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2857-2874	4	0
543	European Aerosol Phenomenology - 8: Harmonised Source Apportionment of Organic Aerosol using 22 Year-long ACSM/AMS Datasets. <i>Environment International</i> , 2022 , 107325	12.9	1
542	Constraining the response factors of an extractive electrospray ionization mass spectrometer for near-molecular aerosol speciation. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 6955-6972	4	1
541	Source attribution and quantification of atmospheric nickel concentrations in an industrial area in the United Kingdom (UK). <i>Environmental Pollution</i> , 2021 , 293, 118432	9.3	0
540	Role of Organic Aerosol Chemistry Schemes on Particulate Matter Modeling in Europe. <i>Springer Proceedings in Complexity</i> , 2021 , 3-9	0.3	
539	Source identification and characterization of organic nitrogen in atmospheric aerosols at a suburban site in China. <i>Science of the Total Environment</i> , 2021 , 151800	10.2	0
538	Same Model (CAMx6.50), Same Year (2010), Two Different European Projects: How Similar Are the Results?. <i>Springer Proceedings in Complexity</i> , 2021 , 95-100	0.3	
537	Mass spectral characterization of secondary organic aerosol from urban cooking and vehicular sources. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 15065-15079	6.8	2
536	Temporal variations, regional contribution, and cluster analyses of ozone and NO in a middle eastern megacity during summertime over 2017-2019. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
535	Photolytically induced changes in composition and volatility of biogenic secondary organic aerosol from nitrate radical oxidation during night-to-day transition. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 14907-14925	6.8	3
534	Time-dependent source apportionment of submicron organic aerosol for a rural site in an alpine valley using a rolling positive matrix factorisation (PMF) window. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 15081-15101	6.8	5
533	Characterization of non-refractory (NR) PM _{2.5} and source apportionment of organic aerosol in Kraków, Poland. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 14893-14906	6.8	7
532	Influence of biomass burning vapor wall loss correction on modeling organic aerosols in Europe by CAMx v6.50. <i>Geoscientific Model Development</i> , 2021 , 14, 1681-1697	6.3	2

531	Altitude Aerosol Measurements in Central France: Seasonality, Sources and Free-Troposphere/Boundary Layer Segregation. <i>Earth and Space Science</i> , 2021 , 8, e2019EA001018	3.1	
530	Observations Confirm that Volatile Chemical Products Are a Major Source of Petrochemical Emissions in U.S. Cities. <i>Environmental Science & Technology</i> , 2021 , 55, 4332-4343	10.3	16
529	Brown Carbon in Primary and Aged Coal Combustion Emission. <i>Environmental Science & Technology</i> , 2021 , 55, 5701-5710	10.3	9
528	Detection of trace metals in biogas using extractive electrospray ionization high-resolution mass spectrometry. <i>Renewable Energy</i> , 2021 , 169, 780-787	8.1	2
527	Trends, composition, and sources of carbonaceous aerosol at the Birkenes Observatory, northern Europe, 2001-2018. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 7149-7170	6.8	4
526	Photodegradation of Pinene Secondary Organic Aerosol Dominated by Moderately Oxidized Molecules. <i>Environmental Science & Technology</i> , 2021 , 55, 6936-6943	10.3	3
525	Sources and characteristics of light-absorbing fine particulates over Delhi through the synergy of real-time optical and chemical measurements. <i>Atmospheric Environment</i> , 2021 , 252, 118338	5.3	6
524	Source apportionment of carbonaceous aerosols in Beijing with radiocarbon and organic tracers: insight into the differences between urban and rural sites. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8273-8292	6.8	4
523	Real-time characterization and source apportionment of fine particulate matter in the Delhi megacity area during late winter. <i>Science of the Total Environment</i> , 2021 , 770, 145324	10.2	14
522	Characteristics and sources of hourly elements in PM and PM during wintertime in Beijing. <i>Environmental Pollution</i> , 2021 , 278, 116865	9.3	16
521	Quantification of solid fuel combustion and aqueous chemistry contributions to secondary organic aerosol during wintertime haze events in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9859-9886	6.8	6
520	An evaluation of source apportionment of fine OC and PM by multiple methods: APHH-Beijing campaigns as a case study. <i>Faraday Discussions</i> , 2021 , 226, 290-313	3.6	6
519	Temporal and spatial variability of carbonaceous species (EC; OC; WSOC and SOA) in PM2.5 aerosol over five sites of Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2021 , 12, 375-390	4.5	17
518	Comparison of five methodologies to apportion organic aerosol sources during a PM pollution event. <i>Science of the Total Environment</i> , 2021 , 757, 143168	10.2	11
517	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. <i>Environmental Science Atmospheres</i> , 2021 , 1, 434-448		2
516	Characteristics of wintertime VOCs in urban Beijing: Composition and source apportionment. <i>Atmospheric Environment: X</i> , 2021 , 9, 100100	2.8	3
515	A new method for long-term source apportionment with time-dependent factor profiles and uncertainty assessment using SoFi Pro: application to 1 year of organic aerosol data. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 923-943	4	18
514	Estimating ground-level PM concentrations by developing and optimizing machine learning and statistical models using 3 km MODIS AODs: case study of Tehran, Iran. <i>Journal of Environmental Health Science & Engineering</i> , 2021 , 19, 1-21	2.9	3

513	Mediterranean nascent sea spray organic aerosol and relationships with seawater biogeochemistry. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 10625-10641	6.8	4
512	Characterization of primary and aged wood burning and coal combustion organic aerosols in an environmental chamber and its implications for atmospheric aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 10273-10293	6.8	2
511	Critical Role of Simultaneous Reduction of Atmospheric Odd Oxygen for Winter Haze Mitigation. <i>Environmental Science & Technology</i> , 2021 , 55, 11557-11567	10.3	4
510	Source-specific light absorption by carbonaceous components in the complex aerosol matrix from yearly filter-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12809-12833	6.8	4
509	Real-Time Characterization of Aerosol Compositions, Sources, and Aging Processes in Guangzhou During PRIDE-GBA 2018 Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035114	11.4	6
508	Effects of aerosol size and coating thickness on the molecular detection using extractive electrospray ionization. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 5913-5923	4	0
507	Diurnal variability in the spectral characteristics and sources of water-soluble brown carbon aerosols over Delhi. <i>Science of the Total Environment</i> , 2021 , 794, 148589	10.2	6
506	Evolution of size and composition of fine particulate matter in the Delhi megacity during later winter. <i>Atmospheric Environment</i> , 2021 , 267, 118752	5.3	1
505	Modeling the effect of reduced traffic due to COVID-19 measures on air quality using a chemical transport model: impacts on the Po Valley and the Swiss Plateau regions. <i>Environmental Science Atmospheres</i> , 2021 , 1, 228-240		5
504	Highly time-resolved measurements of element concentrations in PM ₁₀ and PM _{2.5} : comparison of Delhi, Beijing, London, and Krakow. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 717-730	6.8	11
503	Real-Time Measurements of PM _{2.5} Oxidative Potential Using a Dithiothreitol Assay in Delhi, India. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 504-510	11	20
502	Cooking and electronic cigarettes leading to large differences between indoor and outdoor particle composition and concentration measured by aerosol mass spectrometry. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 1382-1396	4.3	7
501	Chemical characteristics and sources of water-soluble organic aerosol in southwest suburb of Beijing. <i>Journal of Environmental Sciences</i> , 2020 , 95, 99-110	6.4	8
500	Online Aerosol Chemical Characterization by Extractive Electrospray Ionization-Ultrahigh-Resolution Mass Spectrometry (EESI-Orbitrap). <i>Environmental Science & Technology</i> , 2020 , 54, 3871-3880	10.3	13
499	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1233-1254	6.8	26
498	Source apportionment of highly time-resolved elements during a firework episode from a rural freeway site in Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1657-1674	6.8	18
497	Changes in ozone and PM in Europe during the period of 1990-2030: Role of reductions in land and ship emissions. <i>Science of the Total Environment</i> , 2020 , 741, 140467	10.2	11
496	Real-time measurement and source apportionment of elements in Delhi's atmosphere. <i>Science of the Total Environment</i> , 2020 , 742, 140332	10.2	40

495	Integrative and comprehensive Understanding on Polar Environments (iCUPE): the concept and initial results 2020 ,		2
494	Automated alternating sampling of PM10 and PM2.5 with an online XRF spectrometer. <i>Atmospheric Environment: X</i> , 2020 , 5, 100065	2.8	6
493	Online Chemical Characterization and Source Identification of Summer and Winter Aerosols in Măgurele, Romania. <i>Atmosphere</i> , 2020 , 11, 385	2.7	3
492	On the fate of oxygenated organic molecules in atmospheric aerosol particles. <i>Science Advances</i> , 2020 , 6, eaax8922	14.3	31
491	Oxidative stress-induced inflammation in susceptible airways by anthropogenic aerosol. <i>PLoS ONE</i> , 2020 , 15, e0233425	3.7	12
490	A 1-year characterization of organic aerosol composition and sources using an extractive electrospray ionization time-of-flight mass spectrometer (EESI-TOF). <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7875-7893	6.8	4
489	Role of ammonia in European air quality with changing land and ship emissions between 1990 and 2030. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15665-15680	6.8	5
488	Chemical characterization of secondary organic aerosol at a rural site in the southeastern US: insights from simultaneous high-resolution time-of-flight aerosol mass spectrometer (HR-ToF-AMS) and FIGAERO chemical ionization mass spectrometer (CIMS) measurements. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8421-8440	6.8	16
487	Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) [concept and initial results. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8551-8592	6.8	17
486	Source characterization of volatile organic compounds measured by proton-transfer-reaction time-of-flight mass spectrometers in Delhi, India. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9753-9770	6.8	18
485	The new instrument using a TCBC (total carbon/black carbon) method for the online measurement of carbonaceous aerosols. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 4333-4351	4	7
484	Improved chloride quantification in quadrupole aerosol chemical speciation monitors (Q-ACSMs). <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 5293-5301	4	6
483	Effects of Using Two Different Biogenic Emission Models on Ozone and Particles in Europe. <i>Springer Proceedings in Complexity</i> , 2020 , 29-34	0.3	
482	Modelling Organic Aerosol in Europe: Improved CAMx and Contribution of Anthropogenic and Biogenic Sources. <i>Springer Proceedings in Complexity</i> , 2020 , 383-388	0.3	
481	Real-Time Detection of Aerosol Metals Using Online Extractive Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 1316-1325	7.8	8
480	Source apportionment of fine particulate matter in a Middle Eastern Metropolis, Tehran-Iran, using PMF with organic and inorganic markers. <i>Science of the Total Environment</i> , 2020 , 705, 135330	10.2	10
479	Chemical characterization of PM and source apportionment of organic aerosol in New Delhi, India. <i>Science of the Total Environment</i> , 2020 , 745, 140924	10.2	34
478	Sources of particulate-matter air pollution and its oxidative potential in Europe. <i>Nature</i> , 2020 , 587, 414-419	41.4	128

477	Temporal and spatial analysis of ozone concentrations in Europe based on timescale decomposition and a multi-clustering approach. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9051-9066	6.8	13
476	Source apportionment of highly time resolved trace elements during a firework episode from a rural freeway site in Switzerland 2019 ,		2
475	Secondary organic aerosol formation from smoldering and flaming combustion of biomass: a box model parametrization based on volatility basis set 2019 ,		2
474	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy 2019 ,		1
473	Organic aerosol source apportionment in Zurich using extractive electrospray ionization time-of-flight mass spectrometry (EESI-TOF): Part I, biogenic influences and day/night chemistry in summer 2019 ,		2
472	A Review of Aerosol Chemical Composition and Sources in Representative Regions of China during Wintertime. <i>Atmosphere</i> , 2019 , 10, 277	2.7	17
471	Organic aerosol source apportionment in Zurich using an extractive electrospray ionization time-of-flight mass spectrometer (EESI-TOF-MS) [Part 2: Biomass burning influences in winter. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8037-8062	6.8	32
470	Constructing a data-driven receptor model for organic and inorganic aerosol by synthesis analysis of eight mass spectrometric data sets from a boreal forest site. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3645-3672	6.8	7
469	The EMEP Intensive Measurement Period campaign, 2008-2009: characterizing carbonaceous aerosol at nine rural sites in Europe. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 4211-4233	6.8	12
468	Impact of anthropogenic and biogenic sources on the seasonal variation in the molecular composition of urban organic aerosols: a field and laboratory study using ultra-high-resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5973-5991	6.8	21
467	Predominance of Secondary Organic Aerosol to Particle-bound Reactive Oxygen Species Activity in Fine Ambient Aerosol 2019 ,		1
466	The second ACTRIS inter-comparison (2016) for Aerosol Chemical Speciation Monitors (ACSM): Calibration protocols and instrument performance evaluations. <i>Aerosol Science and Technology</i> , 2019 , 53, 830-842	3.4	25
465	Groundwater and surface water quality characterization through positive matrix factorization combined with GIS approach. <i>Water Research</i> , 2019 , 159, 122-134	12.5	30
464	Effects of two different biogenic emission models on modelled ozone and aerosol concentrations in Europe. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3747-3768	6.8	21
463	Characterization of Aerosol Aging Potentials at Suburban Sites in Northern and Southern China Utilizing a Potential Aerosol Mass (Go:PAM) Reactor and an Aerosol Mass Spectrometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 5629-5649	4.4	18
462	Unusual winter Saharan dust intrusions at Northwest Spain: Air quality, radiative and health impacts. <i>Science of the Total Environment</i> , 2019 , 669, 213-228	10.2	18
461	Primary emissions versus secondary formation of fine particulate matter in the most polluted city (Shijiazhuang) in North China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2283-2298	6.8	43
460	Wintertime secondary organic aerosol formation in Beijing-Tianjin-Hebei (BTH): contributions of HONO sources and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2343-2359	6.8	60

459	EURODELTA III exercise: An evaluation of air quality models capacity to reproduce the carbonaceous aerosol. <i>Atmospheric Environment: X</i> , 2019 , 2, 100018	2.8	7
458	Development of a versatile source apportionment analysis based on positive matrix factorization: a case study of the seasonal variation of organic aerosol sources in Estonia. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7279-7295	6.8	11
457	Infrared-absorbing carbonaceous tar can dominate light absorption by marine-engine exhaust. <i>Npj Climate and Atmospheric Science</i> , 2019 , 2,	8	44
456	An extractive electrospray ionization time-of-flight mass spectrometer (EESI-TOF) for online measurement of atmospheric aerosol particles. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4867-4886	4.4	46
455	Quantification of the impact of cooking processes on indoor concentrations of volatile organic species and primary and secondary organic aerosols. <i>Indoor Air</i> , 2019 , 29, 926-942	5.4	17
454	Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles. <i>Aerosol Science and Technology</i> , 2019 , 53, 594-607	3.4	16
453	Organic aerosol source apportionment in Zurich using an extractive electrospray ionization time-of-flight mass spectrometer (EESI-TOF-MS) [Part 1: Biogenic influences and day/night chemistry in summer. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14825-14848	6.8	24
452	Six-year source apportionment of submicron organic aerosols from near-continuous highly time-resolved measurements at SIRTa (Paris area, France). <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14755-14776	6.8	29
451	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14703-14720	6.8	15
450	Sources of organic aerosols in Europe: a modeling study using CAMx with modified volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 15247-15270	6.8	16
449	Secondary organic aerosol formation from smoldering and flaming combustion of biomass: a box model parametrization based on volatility basis set. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11461-11484	6.8	13
448	Summertime Aerosol over the West of Ireland Dominated by Secondary Aerosol during Long-Range Transport. <i>Atmosphere</i> , 2019 , 10, 59	2.7	5
447	Composition and origin of PM _{2.5} aerosol particles in the upper Rhine valley in summer. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13189-13208	6.8	4
446	Effect of Stove Technology and Combustion Conditions on Gas and Particulate Emissions from Residential Biomass Combustion. <i>Environmental Science & Technology</i> , 2019 , 53, 2209-2219	10.3	19
445	Quantification of source specific black carbon scavenging using an aethalometer and a disdrometer. <i>Environmental Pollution</i> , 2019 , 246, 336-345	9.3	17
444	Trace Metals in Soot and PM from Heavy-Fuel-Oil Combustion in a Marine Engine. <i>Environmental Science & Technology</i> , 2018 , 52, 6714-6722	10.3	69
443	Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2853-2881	6.8	62
442	Seasonal trends in the composition and sources of PM and carbonaceous aerosol in Tehran, Iran. <i>Environmental Pollution</i> , 2018 , 239, 69-81	9.3	40

441	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Residential Coal Combustion. <i>Environmental Science & Technology</i> , 2018 , 52, 2612-2617	10.3	23
440	Novel insights on new particle formation derived from a pan-european observing system. <i>Scientific Reports</i> , 2018 , 8, 1482	4.9	34
439	Insights into organic-aerosol sources via a novel laser-desorption/ionization mass spectrometry technique applied to one year of PM ₁₀ samples from nine sites in central Europe. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2155-2174	6.8	4
438	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4005-4017	6.8	32
437	Low modeled ozone production suggests underestimation of precursor emissions (especially NO _x) in Europe. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2175-2198	6.8	18
436	Characterization and source apportionment of organic aerosol at 260 m on a meteorological tower in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3951-3968	6.8	23
435	Contributions of residential coal combustion to the air quality in Beijing-Tianjin-Hebei (BTH), China: a case study. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10675-10691	6.8	41
434	Gas-phase composition and secondary organic aerosol formation from standard and particle filter-retrofitted gasoline direct injection vehicles investigated in a batch and flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9929-9954	6.8	35
433	Source apportionment of organic aerosol from 2-year highly time-resolved measurements by an aerosol chemical speciation monitor in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 8469-8489	6.8	70
432	Source Apportionment of Brown Carbon Absorption by Coupling Ultraviolet-Visible Spectroscopy with Aerosol Mass Spectrometry. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 302-308	11	36
431	Sources of PM _{2.5} at an urban-industrial Mediterranean city, Marseille (France): Application of the ME-2 solver to inorganic and organic markers. <i>Atmospheric Research</i> , 2018 , 214, 263-274	5.4	16
430	Development, characterization and first deployment of an improved online reactive oxygen species analyzer. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 65-80	4	18
429	The Impact of Brightening on Surface O ₃ Concentrations over Europe Between 1990 and 2010. <i>Springer Proceedings in Complexity</i> , 2018 , 31-36	0.3	
428	Source Apportionment of Inorganic Aerosols in Europe and Role of Biogenic VOC Emissions. <i>Springer Proceedings in Complexity</i> , 2018 , 375-379	0.3	
427	High contributions of vehicular emissions to ammonia in three European cities derived from mobile measurements. <i>Atmospheric Environment</i> , 2018 , 175, 210-220	5.3	25
426	Influence of the vapor wall loss on the degradation rate constants in chamber experiments of levoglucosan and other biomass burning markers 2018 ,		1
425	Particle-bound reactive oxygen species (PB-ROS) emissions and formation pathways in residential wood smoke under different combustion and aging conditions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6985-7000	6.8	21
424	Identification of secondary aerosol precursors emitted by an aircraft turbofan. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7379-7391	6.8	10

423	Modelling nitrogen deposition: dry deposition velocities on various land-use types in Switzerland. <i>International Journal of Environment and Pollution</i> , 2018 , 64, 230	0.7	1
422	Production of particulate brown carbon during atmospheric aging of residential wood-burning emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17843-17861	6.8	46
421	The EMEP Intensive Measurement Period campaign, 2008-2009: Characterizing the carbonaceous aerosol at nine rural sites in Europe 2018 ,		1
420	Evidence of major secondary organic aerosol contribution to lensing effect black carbon absorption enhancement. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	37
419	Production of particulate brown carbon during atmospheric aging of wood-burning emissions 2018 ,		3
418	Mitigation of Secondary Organic Aerosol Formation from Log Wood Burning Emissions by Catalytic Removal of Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2018 , 52, 13381-13390	10.3	9
417	Aerosol chemistry and particle growth events at an urban downwind site in North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14637-14651	6.8	13
416	Advanced source apportionment of carbonaceous aerosols by coupling offline AMS and radiocarbon size-segregated measurements over a nearly 2-year period. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6187-6206	6.8	32
415	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. <i>Environmental Science & Technology</i> , 2018 , 52, 10967-10974	10.3	68
414	Influence of the vapor wall loss on the degradation rate constants in chamber experiments of levoglucosan and other biomass burning markers. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10915-10930	6.8	13
413	Exploration of PM _{2.5} sources on the regional scale in the Pearl River Delta based on ME-2 modeling. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11563-11580	6.8	24
412	Simulation of fine organic aerosols in the western Mediterranean area during the ChArMEx 2013 summer campaign. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7287-7312	6.8	17
411	Solar Brightening Impact on summer surface ozone between 1990 and 2010 in Europe: a model sensitivity study of the influence of the aerosol-radiation interactions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9741-9765	6.8	4
410	Brown and Black Carbon Emitted by a Marine Engine Operated on Heavy Fuel Oil and Distillate Fuels: Optical Properties, Size Distributions, and Emission Factors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6175-6195	4.4	38
409	Improved source apportionment of organic aerosols in complex urban air pollution using the multilinear engine (ME-2). <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 1049-1060	4	17
408	Evolution of the chemical fingerprint of biomass burning organic aerosol during aging. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7607-7624	6.8	49
407	Wood combustion particles induce adverse effects to normal and diseased airway epithelia. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 538-548	4.3	12
406	Limited formation of isoprene epoxydiols-derived secondary organic aerosol under NO _x -rich environments in Eastern China. <i>Geophysical Research Letters</i> , 2017 , 44, 2035	4.9	31

405	Hourly composition of gas and particle phase pollutants at a central urban background site in Milan, Italy. <i>Atmospheric Research</i> , 2017 , 186, 83-94	5.4	25
404	Effects of photochemical oxidation on the mixing state and light absorption of black carbon in the urban atmosphere of China. <i>Environmental Research Letters</i> , 2017 , 12, 044012	6.2	21
403	Ambient and laboratory observations of organic ammonium salts in PM. <i>Faraday Discussions</i> , 2017 , 200, 331-351	3.6	12
402	Chemical characterization of submicron aerosol particles during wintertime in a northwest city of China using an Aerodyne aerosol mass spectrometry. <i>Environmental Pollution</i> , 2017 , 222, 567-582	9.3	25
401	Time-resolved analysis of primary volatile emissions and secondary aerosol formation potential from a small-scale pellet boiler. <i>Atmospheric Environment</i> , 2017 , 158, 236-245	5.3	13
400	Contribution of bacteria-like particles to PM 2.5 aerosol in urban and rural environments. <i>Atmospheric Environment</i> , 2017 , 160, 97-106	5.3	14
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