

# Andreas Stohl

## List of Publications by Year in descending order

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368  
papers

34,855  
citations

3721

89  
h-index

6630

156  
g-index

527  
all docs

527  
docs citations

527  
times ranked

19220  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ airborne observations of the microphysical properties of the Arctic tropospheric aerosol during late spring and summer. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 392.	0.8	38
2	Chemical properties of Arctic aerosol particles collected at the Zeppelin station during the aerosol transition period in May and June of 2004. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 405.	0.8	20
3	The YAK-AEROSIB transcontinental aircraft campaigns: new insights on the transport of CO <sub>2</sub> , CO and O <sub>3</sub> across Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 551.	0.8	61
4	Arctic haze over Central Europe. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 55, 796.	0.8	4
5	Low concentrations of near-surface ozone in Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 11607.	0.8	15
6	Tropospheric Ozone in Tehran, Iran, during the last 20 years. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3615-3637.	1.8	10
7	Overview of the MOSAiC expedition: Atmosphere. <i>Elementa</i> , 2022, 10, .	1.1	121
8	Atmospheric composition in the European Arctic and 30 years of the Zeppelin Observatory, Ny-Ålesund. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3321-3369.	1.9	24
9	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China – a Pan-Eurasian Experiment (PEEX) programme perspective. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4413-4469.	1.9	9
10	Thallium Pollution in Europe Over the Twentieth Century Recorded in Alpine Ice: Contributions From Coal Burning and Cement Production. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
11	Changes in black carbon emissions over Europe due to COVID-19 lockdowns. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2675-2692.	1.9	40
12	Alpine Ice – Core Evidence of a Large Increase in Vanadium and Molybdenum Pollution in Western Europe During the 20th Century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033211.	1.2	10
13	Observed and Modeled Black Carbon Deposition and Sources in the Western Russian Arctic 1800 – 2014. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4368-4377.	4.6	9
14	Black Carbon Emission Reduction Due to COVID-19 Lockdown in China. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093243.	1.5	20
15	Changes in short-lived climate pollutants during the COVID-19 pandemic in Tehran, Iran. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 331.	1.3	20
16	Estimating Upper Silesian coal mine methane emissions from airborne in situ observations and dispersion modeling. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8791-8807.	1.9	18
17	Large Circulation Patterns Strongly Modulate Long-Term Variability of Arctic Black Carbon Levels and Areas of Origin. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092876.	1.5	8
18	Characterization of the atmospheric environment during extreme precipitation events associated with atmospheric rivers in Norway - Seasonal and regional aspects. <i>Weather and Climate Extremes</i> , 2021, 34, 100370.	1.6	9

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19	Hemispheric black carbon increase after the 13th-century Māori arrival in New Zealand. <i>Nature</i> , 2021, 598, 82-85.	13.7	20
20	Atmospheric transport is a major pathway of microplastics to remote regions. <i>Nature Communications</i> , 2020, 11, 3381.	5.8	489
21	Source Quantification of South Asian Black Carbon Aerosols with Isotopes and Modeling. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11771-11779.	4.6	34
22	Cadmium Pollution From Zinc Smelters up to Fourfold Higher Than Expected in Western Europe in the 1980s as Revealed by Alpine Ice. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087537.	1.5	13
23	On the Convergence and Capability of the Large-Eddy Simulation of Concentration Fluctuations in Passive Plumes for a Neutral Boundary Layer at Infinite Reynolds Number. <i>Boundary-Layer Meteorology</i> , 2020, 176, 291-327.	1.2	11
24	Structure, Process, and Mechanism. , 2020, , 15-43.		8
25	On the tuning of atmospheric inverse methods: comparisons with the European Tracer Experiment (ETEX) and Chernobyl datasets using the atmospheric transport model FLEXPART. <i>Geoscientific Model Development</i> , 2020, 13, 5917-5934.	1.3	8
26	Can statistics of turbulent tracer dispersion be inferred from camera observations of SO <sub>2</sub> and NO <sub>2</sub> in the ultraviolet? A modelling study. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3303-3318.	1.2	0
27	Pervasive Arctic lead pollution suggests substantial growth in medieval silver production modulated by plague, climate, and conflict. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14910-14915.	3.3	50
28	Frequency of extreme precipitation increases extensively with event rareness under global warming. <i>Scientific Reports</i> , 2019, 9, 16063.	1.6	393
29	Perfluorocyclobutane (PFC-318), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (&lt;i&gt;c&lt;/i&gt;-C&lt;/i&gt; in the global atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10335-10359.	1.9	22
30	Open fires in Greenland in summer 2017: transport, deposition and radiative effects of BC, OC and BrC emissions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1393-1411.	1.9	46
31	Lead and Antimony in Basal Ice From Col du Dome (French Alps) Dated With Radiocarbon: A Record of Pollution During Antiquity. <i>Geophysical Research Letters</i> , 2019, 46, 4953-4961.	1.5	41
32	Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2015-2061.	1.9	42
33	Source apportionment of circum-Arctic atmospheric black carbon from isotopes and modeling. <i>Science Advances</i> , 2019, 5, eaau8052.	4.7	68
34	The Lagrangian particle dispersion model FLEXPART version 10.4. <i>Geoscientific Model Development</i> , 2019, 12, 4955-4997.	1.3	238
35	Simulation of Volcanic Ash Ingestion Into a Large Aero Engine: Particle-Fan Interactions. <i>Journal of Turbomachinery</i> , 2019, 141, .	0.9	22
36	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. <i>Nature Geoscience</i> , 2018, 11, 178-184.	5.4	56

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37	An aerosol particle containing enriched uranium encountered in the remote upper troposphere. <i>Journal of Environmental Radioactivity</i> , 2018, 184-185, 95-100.	0.9	6
38	Origin of elemental carbon in snow from western Siberia and northwestern European Russia during winterâ€“spring 2014, 2015 and 2016. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 963-977.	1.9	24
39	Assessing temporal trends and source regions of per- and polyfluoroalkyl substances (PFASs) in air under the Arctic Monitoring and Assessment Programme (AMAP). <i>Atmospheric Environment</i> , 2018, 172, 65-73.	1.9	87
40	Three-dimensional methane distribution simulated with FLEXPART 8-CTM-1.1 constrained with observation data. <i>Geoscientific Model Development</i> , 2018, 11, 4469-4487.	1.3	10
41	Top-down estimates of black carbon emissions at high latitudes using an atmospheric transport model and a Bayesian inversion framework. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15307-15327.	1.9	10
42	Observation of turbulent dispersion of artificially released SO <sub>2</sub> puffs with UV cameras. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6169-6188.	1.2	7
43	A satellite-based estimate of combustion aerosol cloud microphysical effects over the Arctic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14949-14964.	1.9	14
44	Methane at Svalbard and over the European Arctic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17207-17224.	1.9	19
45	Variability in Atmospheric Methane From Fossil Fuel and Microbial Sources Over the Last Three Decades. <i>Geophysical Research Letters</i> , 2018, 45, 11,499.	1.5	46
46	Mineral Dust Instantaneous Radiative Forcing in the Arctic. <i>Geophysical Research Letters</i> , 2018, 45, 4290-4298.	1.5	36
47	Lead pollution recorded in Greenland ice indicates European emissions tracked plagues, wars, and imperial expansion during antiquity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5726-5731.	3.3	174
48	Ash Metrics for European and Transatlantic Air Routes During the Eyjafjallaj�kull Eruption 14 April to 23 May 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5469-5483.	1.2	10
49	Siberian Arctic black carbon sources constrained by model and observation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1054-E1061.	3.3	80
50	Black Carbon Sources Constrained by Observations in the Russian High Arctic. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3871-3879.	4.6	43
51	Weakening temperature control on the interannual variations of spring carbon uptake across northern lands. <i>Nature Climate Change</i> , 2017, 7, 359-363.	8.1	183
52	Reference data set of volcanic ash physicochemical and optical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9485-9514.	1.2	41
53	Inverse modeling of the Chernobyl source term using atmospheric concentration and deposition measurements. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8805-8824.	1.9	22
54	Temporal and spatial variability of Icelandic dust emissions and atmospheric transport. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10865-10878.	1.9	37

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55	Rainfall drives atmospheric ice-nucleating particles in the coastal climate of southern Norway. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11065-11073.	1.9	22
56	Source attribution using FLEXPART and carbon monoxide emission inventories: SOFT-IO version 1.0. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15271-15292.	1.9	23
57	Methane fluxes in the high northern latitudes for 2005–2013 estimated using a Bayesian atmospheric inversion. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3553-3572.	1.9	59
58	Bayesian inverse modeling and source location of an unintended $\text{I}_2$ release in Europe in the fall of 2011. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12677-12696.	1.9	22
59	Aerosol indirect effects on the nighttime Arctic Ocean surface from thin, predominantly liquid clouds. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7311-7332.	1.9	16
60	A new aerosol wet removal scheme for the Lagrangian particle model FLEXPART v10. <i>Geoscientific Model Development</i> , 2017, 10, 1447-1466.	1.3	68
61	Impact of dust deposition on the albedo of Vatnajökull ice cap, Iceland. <i>Cryosphere</i> , 2017, 11, 741-754.	1.5	50
62	Source–receptor matrix calculation for deposited mass with the Lagrangian particle dispersion model FLEXPART v10.2 in backward mode. <i>Geoscientific Model Development</i> , 2017, 10, 4605-4618.	1.3	35
63	The offline Lagrangian particle model FLEXPART–NorESM/CAM (v1): model description and comparisons with the online NorESM transport scheme and with the reference FLEXPART model. <i>Geoscientific Model Development</i> , 2016, 9, 4029-4048.	1.3	11
64	Comparing GOSAT observations of localized $\text{CO}_2$ enhancements by large emitters with inventory-based estimates. <i>Geophysical Research Letters</i> , 2016, 43, 3486-3493.	1.5	74
65	Extensive release of methane from Arctic seabed west of Svalbard during summer 2014 does not influence the atmosphere. <i>Geophysical Research Letters</i> , 2016, 43, 4624-4631.	1.5	74
66	The sources of atmospheric black carbon at a European gateway to the Arctic. <i>Nature Communications</i> , 2016, 7, 12776.	5.8	69
67	Detection and simulation of wildfire smoke impacting a Mediterranean urban atmosphere. <i>Atmospheric Pollution Research</i> , 2016, 7, 494-502.	1.8	12
68	Reconstructing the Chernobyl Nuclear Power Plant (CNPP) accident 30 years after. A unique database of air concentration and deposition measurements over Europe. <i>Environmental Pollution</i> , 2016, 216, 408-418.	3.7	45
69	Resuspension and atmospheric transport of radionuclides due to wildfires near the Chernobyl Nuclear Power Plant in 2015: An impact assessment. <i>Scientific Reports</i> , 2016, 6, 26062.	1.6	54
70	Evaluation of observed and modelled aerosol lifetimes using radioactive tracers of opportunity and an ensemble of 19 global models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3525-3561.	1.9	75
71	Wildfire influences on the variability and trend of summer surface ozone in the mountainous western United States. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14687-14702.	1.9	73
72	Top-down estimates of benzene and toluene emissions in the Pearl River Delta and Hong Kong, China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3369-3382.	1.9	18

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73	Effects of long-range aerosol transport on the microphysical properties of low-level liquid clouds in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4661-4674.	1.9	22
74	Wildfires in northern Eurasia affect the budget of black carbon in the Arctic – a 12-year retrospective synopsis (2002–2013). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7587-7604.	1.9	56
75	Substantial contribution of northern high-latitude sources to mineral dust in the Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13678-13697.	1.2	93
76	Constraints on oceanic methane emissions west of Svalbard from atmospheric in situ measurements and Lagrangian transport modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14188-14200.	1.2	10
77	Atmospheric Black Carbon over the North Atlantic and the Russian Arctic Seas in Summer-Autumn Time. <i>Chemistry for Sustainable Development</i> , 2016, , .	0.0	10
78	LS-APC v1.0: a tuning-free method for the linear inverse problem and its application to source-term determination. <i>Geoscientific Model Development</i> , 2016, 9, 4297-4311.	1.3	25
79	Extraordinary halocarbon emissions initiated by the 2011 Tohoku earthquake. <i>Geophysical Research Letters</i> , 2015, 42, 2500-2507.	1.5	12
80	Stratospheric volcanic ash emissions from the 13 February 2014 Kelut eruption. <i>Geophysical Research Letters</i> , 2015, 42, 588-596.	1.5	82
81	Methane emissions in East Asia for 2000–2011 estimated using an atmospheric Bayesian inversion. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4352-4369.	1.2	82
82	Light-absorbing properties of ambient black carbon and brown carbon from fossil fuel and biomass burning sources. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6619-6633.	1.2	98
83	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9413-9433.	1.9	145
84	In situ, satellite measurement and model evidence on the dominant regional contribution to fine particulate matter levels in the Paris megacity. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9577-9591.	1.9	92
85	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	1.9	365
86	Evaluation of black carbon emission inventories using a Lagrangian dispersion model – a case study over southern India. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1447-1461.	1.9	43
87	Seasonal variability of atmospheric nitrogen oxides and non-methane hydrocarbons at the GEOSummit station, Greenland. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6827-6849.	1.9	24
88	A model sensitivity study of the impact of clouds on satellite detection and retrieval of volcanic ash. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1935-1949.	1.2	13
89	Lagrangian Stochastic Modelling of Dispersion in the Convective Boundary Layer with Skewed Turbulence Conditions and a Vertical Density Gradient: Formulation and Implementation in the FLEXPART Model. <i>Boundary-Layer Meteorology</i> , 2015, 154, 367-390.	1.2	42
90	European emissions of HCFC-22 based on eleven years of high frequency atmospheric measurements and a Bayesian inversion method. <i>Atmospheric Environment</i> , 2015, 112, 196-207.	1.9	24

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91	Multiannual Top-Down Estimate of HFC-23 Emissions in East Asia. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4345-4353.	4.6	23
92	Smoke dispersion modeling over complex terrain using high resolution meteorological data and satellite observations – The FireHub platform. <i>Atmospheric Environment</i> , 2015, 119, 348-361.	1.9	29
93	Aerosol remote sensing in polar regions. <i>Earth-Science Reviews</i> , 2015, 140, 108-157.	4.0	106
94	Separation of ash and sulfur dioxide during the 2011 GrÃmsvÃttn eruption. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7477-7501.	1.2	69
95	FLEXINVERT: an atmospheric Bayesian inversion framework for determining surface fluxes of trace species using an optimized grid. <i>Geoscientific Model Development</i> , 2014, 7, 2223-2242.	1.3	55
96	State of the Climate in 2013. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, S1-S279.	1.7	138
97	Arctic Air Pollution: New Insights from POLARCAT-IPY. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1873-1895.	1.7	107
98	Outlier removal for improved source estimation in atmospheric inverse problems. , 2014, , .		1
99	Aerosol radiative forcing from the 2010 EyjafjallajÃkull volcanic eruptions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9481-9491.	1.2	24
100	A robust method for inverse transport modeling of atmospheric emissions using blind outlier detection. <i>Geoscientific Model Development</i> , 2014, 7, 2303-2311.	1.3	28
101	A review of sea-spray aerosol source functions using a large global set of sea salt aerosol concentration measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1277-1297.	1.9	192
102	Sulfur hexafluoride (SF <sub>6</sub> ) emissions in East Asia determined by inverse modeling. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4779-4791.	1.9	25
103	Quantifying black carbon from biomass burning by means of levoglucosan – a one-year time series at the Arctic observatory Zeppelin. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6427-6442.	1.9	71
104	Estimates of European emissions of methyl chloroform using a Bayesian inversion method. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9755-9770.	1.9	25
105	How stratospheric are deep stratospheric intrusions?. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9941-9961.	1.9	69
106	Annual cycle of Antarctic baseline aerosol: controlled by photooxidation-limited aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3083-3093.	1.9	20
107	Fire in the Air: Biomass Burning Impacts in a Changing Climate. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 40-83.	6.6	125
108	Natural iron fertilization by the EyjafjallajÃkull volcanic eruption. <i>Geophysical Research Letters</i> , 2013, 40, 921-926.	1.5	113

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109	Forecasting long-range atmospheric transport episodes of polychlorinated biphenyls using FLEXPART. <i>Atmospheric Environment</i> , 2013, 71, 335-339.	1.9	6
110	Airborne investigation of the aerosolsâ€“cloud interactions in the vicinity and within a marine stratocumulus over the North Sea during EUCAARI (2008). <i>Atmospheric Environment</i> , 2013, 81, 288-303.	1.9	6
111	Moisture Origin and Meridional Transport in Atmospheric Rivers and Their Association with Multiple Cyclones*. <i>Monthly Weather Review</i> , 2013, 141, 2850-2868.	0.5	164
112	Simulation of SEVIRI infrared channels: a case study from the Eyjafjallaj�kull April/May 2010 eruption. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 649-660.	1.2	9
113	The Lagrangian particle dispersion model FLEXPART-WRF version 3.1. <i>Geoscientific Model Development</i> , 2013, 6, 1889-1904.	1.3	256
114	Input Data Requirements for Lagrangian Trajectory Models. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 1051-1058.	1.7	56
115	Tropospheric ozone over Siberia in spring 2010: remote influences and stratospheric intrusion. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2013, 65, 19688.	0.8	12
116	The Fukushima inverse problem. , 2013, , .		13
117	Correction for Yasunari et al., Cesium-137 deposition and contamination of Japanese soils due to the Fukushima nuclear accident. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7525-7528.	3.3	6
118	A Bayesian Method to Rank Different Model Forecasts of the Same Volcanic Ash Cloud. <i>Geophysical Monograph Series</i> , 2013, , 299-310.	0.1	4
119	Operational Emergency Preparedness Modeling-Overview. <i>Geophysical Monograph Series</i> , 2013, , 266-269.	0.1	1
120	The Use of a High-Resolution Emission Data Set in a Global Eulerian-Lagrangian Coupled Model. <i>Geophysical Monograph Series</i> , 2013, , 173-184.	0.1	3
121	Linking Carbon Dioxide Variability at Hateruma Station to East Asia Emissions by Bayesian Inversion. <i>Geophysical Monograph Series</i> , 2013, , 163-172.	0.1	2
122	Applications of Lagrangian Modeling: Greenhouse Gases-Overview. <i>Geophysical Monograph Series</i> , 2013, , 144-148.	0.1	0
123	The Association Between the North Atlantic Oscillation and the Interannual Variability of the Tropospheric Transport Pathways in Western Europe. <i>Geophysical Monograph Series</i> , 2013, , 127-142.	0.1	4
124	Entropy-Based and Static Stability-Based Lagrangian Model Grids. <i>Geophysical Monograph Series</i> , 2013, , 99-110.	0.1	13
125	Aerosol particle measurements at three stationary sites in the megacity of Paris during summer 2009: meteorology and air mass origin dominate aerosol particle composition and size distribution. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 933-959.	1.9	101
126	Overview of aerosol properties associated with air masses sampled by the ATR-42 during the EUCAARI campaign (2008). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4877-4893.	1.9	14



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127	Long-term monitoring of persistent organic pollutants (POPs) at the Norwegian Troll station in Dronning Maud Land, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6983-6992.	1.9	78
128	Influence of biomass burning and anthropogenic emissions on ozone, carbon monoxide and black carbon at the Mt. Cimone GAW-WMO global station (Italy, 2165 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 15-30.	1.9	69
129	Black carbon physical properties and mixing state in the European megacity Paris. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5831-5856.	1.9	174
130	The influence of cruise ship emissions on air pollution in Svalbard – a harbinger of a more polluted Arctic?. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8401-8409.	1.9	94
131	Black carbon in the Arctic: the underestimated role of gas flaring and residential combustion emissions. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8833-8855.	1.9	330
132	The dispersion characteristics of air pollution from the world's megacities. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9975-9996.	1.9	28
133	Optical, microphysical, mass and geometrical properties of aged volcanic particles observed over Athens, Greece, during the Eyjafjallajökull eruption in April 2010 through synergy of Raman lidar and sunphotometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9303-9320.	1.9	33
134	Uncertainties in the inverse modelling of sulphur dioxide eruption profiles. <i>Geomatics, Natural Hazards and Risk</i> , 2012, 3, 97-97.	2.0	0
135	Overview of the findings from measurements of halogenated compounds at Gosan (Jeju Island, Korea) quantifying emissions in East Asia. <i>Journal of Integrative Environmental Sciences</i> , 2012, 9, 71-80.	1.0	7
136	Emission and transport of bromocarbons: from the West Pacific ocean into the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10633-10648.	1.9	64
137	Physical and optical properties of 2010 Eyjafjallajökull volcanic eruption aerosol: ground-based, Lidar and airborne measurements in France. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1721-1736.	1.9	53
138	Atmospheric removal times of the aerosol-bound radionuclides $^{137}\text{Cs}$ and $^{131}\text{I}$ measured after the Fukushima Dai-ichi nuclear accident – a constraint for air quality and climate models. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10759-10769.	1.9	51
139	Sources and mixing state of size-resolved elemental carbon particles in a European megacity: Paris. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1681-1700.	1.9	128
140	Xenon-133 and caesium-137 releases into the atmosphere from the Fukushima Dai-ichi nuclear power plant: determination of the source term, atmospheric dispersion, and deposition. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2313-2343.	1.9	510
141	Anthropogenic and forest fire pollution aerosol transported to the Arctic: observations from the POLARCAT-France spring campaign. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6437-6454.	1.9	33
142	CARIBIC aircraft measurements of Eyjafjallajökull volcanic clouds in April/May 2010. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 879-902.	1.9	25
143	Integration of measurements and model simulations to characterize Eyjafjallajökull volcanic aerosols over south-eastern Italy. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10001-10013.	1.9	8
144	Atmospheric mercury observations from Antarctica: seasonal variation and source and sink region calculations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3241-3251.	1.9	62

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145	Oceanic and terrestrial sources of continental precipitation. <i>Reviews of Geophysics</i> , 2012, 50, .	9.0	384
146	Primary source regions of polychlorinated biphenyls (PCBs) measured in the Arctic. <i>Atmospheric Environment</i> , 2012, 62, 391-399.	1.9	21
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