

Andreas Stohl

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.

445
papers

27,802
citations

88
h-index

150
g-index

527
ext. papers

31,523
ext. citations

6.3
avg, IF

6.98
L-index

#	Paper	IF	Citations
445	Overview of the MOSAiC expedition. <i>Atmosphere. Elementa</i> , 2022 , 10,	3.6	15
444	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China – Pan-Eurasian Experiment (PEEX) programme perspective. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4413-4469	6.8	1
443	Hemispheric black carbon increase after the 13th-century Māori arrival in New Zealand. <i>Nature</i> , 2021 , 598, 82-85	50.4	4
442	Tropospheric Ozone in Tehran, Iran, during the last 20 years. <i>Environmental Geochemistry and Health</i> , 2021 , 1	4.7	3
441	Observed and Modeled Black Carbon Deposition and Sources in the Western Russian Arctic 1800-2014. <i>Environmental Science & Technology</i> , 2021 , 55, 4368-4377	10.3	1
440	Black Carbon Emission Reduction Due to COVID-19 Lockdown in China. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093243	4.9	9
439	Changes in short-lived climate pollutants during the COVID-19 pandemic in Tehran, Iran. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 331	3.1	4
438	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	6.8	4
437	Changes in black carbon emissions over Europe due to COVID-19 lockdowns. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2675-2692	6.8	22
436	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	4.4	3
435	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	4.9	2
434	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	6	3
433	Cadmium Pollution From Zinc-Smelthers 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	4.9	2
432	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	3.4	5
431	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	6.3	4
430	Can statistics of turbulent tracer dispersion be inferred from camera observations of SO ₂ in the ultraviolet? A modelling study. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 3303-3318	4	
429	Structure, Process, and Mechanism 2020 , 15-43		4

428	Atmospheric transport is a major pathway of microplastics to remote regions. <i>Nature Communications</i> , 2020 , 11, 3381	17.4	193
427	Source Quantification of South Asian Black Carbon Aerosols with Isotopes and Modeling. <i>Environmental Science & Technology</i> , 2020 , 54, 11771-11779	10.3	9
426	Perfluorocyclobutane (PFC-318, <i>i>c</i>-C₄F₈) in the global atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10335-10359	6.8	12
425	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	6.8	29
424	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	4.9	20
423	The Lagrangian particle dispersion model FLEXPART version 10.3 2019 ,		7
422	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	11.5	29
421	Frequency of extreme precipitation increases extensively with event rareness under global warming. <i>Scientific Reports</i> , 2019 , 9, 16063	4.9	150
420	Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2015-2061	6.8	28
419	Source apportionment of circum-Arctic atmospheric black carbon from isotopes and modeling. <i>Science Advances</i> , 2019 , 5, eaau8052	14.3	39
418	The Lagrangian particle dispersion model FLEXPART version 10.4. <i>Geoscientific Model Development</i> , 2019 , 12, 4955-4997	6.3	104
417	Simulation of Volcanic Ash Ingestion Into a Large Aero Engine: Particle-Pan Interactions. <i>Journal of Turbomachinery</i> , 2019 , 141,	1.8	9
416	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. <i>Nature Geoscience</i> , 2018 , 11, 178-184	18.3	43
415	An aerosol particle containing enriched uranium encountered in the remote upper troposphere. <i>Journal of Environmental Radioactivity</i> , 2018 , 184-185, 95-100	2.4	4
414	Origin of elemental carbon in snow from western Siberia and northwestern European Russia during winter-spring 2014, 2015 and 2016. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 963-977	6.8	19
413	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	5.3	60
412	Three-dimensional methane distribution simulated with FLEXPART 8-CTM-1.1 constrained with observation data. <i>Geoscientific Model Development</i> , 2018 , 11, 4469-4487	6.3	7
411	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	6.8	5

410	Observation of turbulent dispersion of artificially released SO ₂ puffs with UV cameras. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 6169-6188	4	5
409	A satellite-based estimate of aerosol-cloud microphysical effects over the Arctic Ocean 2018 ,		1
408	A satellite-based estimate of combustion aerosol cloud microphysical effects over the Arctic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14949-14964	6.8	10
407	Methane at Svalbard and over the European Arctic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17207-17224	6.8	10
406	Variability in Atmospheric Methane From Fossil Fuel and Microbial Sources Over the Last Three Decades. <i>Geophysical Research Letters</i> , 2018 , 45, 11,499	4.9	30
405	Interactions between the atmosphere, cryosphere and ecosystems at northern high latitudes 2018 ,		1
404	Mineral Dust Instantaneous Radiative Forcing in the Arctic. <i>Geophysical Research Letters</i> , 2018 , 45, 4290-4298	4.9	18
403	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	11.5	106
402	Ash Metrics for European and Trans-Atlantic Air Routes During the Eyjafjallajökull Eruption 14 April to 23 May 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5469-5483	4.4	10
401	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	11.5	56
400	Black Carbon Sources Constrained by Observations in the Russian High Arctic. <i>Environmental Science & Technology</i> , 2017 , 51, 3871-3879	10.3	31
399	Weakening temperature control on the interannual variations of spring carbon uptake across northern lands. <i>Nature Climate Change</i> , 2017 , 7, 359-363	21.4	107
398	Origin of elemental carbon in snow from Western Siberia and northwestern European Russia during winter-spring 2014, 2015 and 2016 2017 ,		1
397	Impact of dust deposition on the albedo of Vatnajökull ice cap, Iceland. <i>Cryosphere</i> , 2017 , 11, 741-754	5.5	36
396	Bayesian inverse modeling and source location of an unintended I-131 release in Europe in the fall of 2011 2017 ,		1
395	Rainfall drives atmospheric ice nucleating particles in the maritime climate of Southern Norway 2017 ,		2
394	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	6.3	22
393	Reference data set of volcanic ash physicochemical and optical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 9485-9514	4.4	21

392	Inverse modeling of the Chernobyl source term using atmospheric concentration and deposition measurements. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 8805-8824	6.8	15
391	Temporal and spatial variability of Icelandic dust emissions and atmospheric transport. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10865-10878	6.8	25
390	Rainfall drives atmospheric ice-nucleating particles in the coastal climate of southern Norway. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11065-11073	6.8	17
389	Source attribution using FLEXPART and carbon monoxide emission inventories: SOFT-IO version 1.0. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 15271-15292	6.8	15
388	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	6.8	47
387	Bayesian inverse modeling and source location of an unintended ¹³¹ I release in Europe in the fall of 2011. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12677-12696	6.8	14
386	Aerosol indirect effects on the nighttime Arctic Ocean surface from thin, predominantly liquid clouds. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7311-7332	6.8	12
385	A new aerosol wet removal scheme for the Lagrangian particle model FLEXPART v10. <i>Geoscientific Model Development</i> , 2017 , 10, 1447-1466	6.3	44
384	Source attribution using FLEXPART and carbon monoxide emission inventories: SOFT-IO version 1.0 2017 ,		3
383	Improving Model Simulations of Volcanic Emission Clouds and Assessing Model Uncertainties. <i>Geophysical Monograph Series</i> , 2016 , 105-124	1.1	3
382	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	4.9	36
381	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	6.8	58
380	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	6.8	47
379	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	6.8	12
378	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	6.8	16
377	Wildfires in northern Eurasia affect the budget of black carbon in the Arctic – 12-year retrospective synopsis (2002–2013). <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7587-7604	6.8	40
376	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	4.4	57
375	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	4.4	9

374	Atmospheric Black Carbon over the North Atlantic and the Russian Arctic Seas in Summer-Autumn Time. <i>Chemistry for Sustainable Development</i> , 2016 ,	1	6
373	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	6.3	16
372	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	6.3	7
371	A new aerosol wet removal scheme for the Lagrangian particle model FLEXPART 2016 ,		2
370	Comparing GOSAT observations of localized CO ₂ enhancements by large emitters with inventory-based estimates. <i>Geophysical Research Letters</i> , 2016 , 43, 3486-3493	4.9	55
369	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	4.9	60
368	The sources of atmospheric black carbon at a European gateway to the Arctic. <i>Nature Communications</i> , 2016 , 7, 12776	17.4	46
367	Detection and simulation of wildfire smoke impacting a Mediterranean urban atmosphere. <i>Atmospheric Pollution Research</i> , 2016 , 7, 494-502	4.5	7
366	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	9.3	40
365	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	4	10
364	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	3.4	30
363	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	5.3	20
362	Multiannual top-down estimate of HFC-23 emissions in East Asia. <i>Environmental Science & Technology</i> , 2015 , 49, 4345-53	10.3	14
361	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	5.3	22
360	Aerosol remote sensing in polar regions. <i>Earth-Science Reviews</i> , 2015 , 140, 108-157	10.2	83
359	Extraordinary halocarbon emissions initiated by the 2011 Tohoku earthquake. <i>Geophysical Research Letters</i> , 2015 , 42, 2500-2507	4.9	11
358	Stratospheric volcanic ash emissions from the 13 February 2014 Kelut eruption. <i>Geophysical Research Letters</i> , 2015 , 42, 588-596	4.9	68
357	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	4.4	60

356	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	4.4	76
355	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	6.8	111
354	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	6.8	72
353	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 10529-10566	6.8	261
352	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	6.8	33
351	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	6.8	22
350	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	6.8	144
349	Sulfur hexafluoride (SF ₆) emissions in East Asia determined by inverse modeling. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4779-4791	6.8	16
348	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	6.8	58
347	Estimates of European emissions of methyl chloroform using a Bayesian inversion method. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9755-9770	6.8	20
346	How stratospheric are deep stratospheric intrusions?. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9941-9961	6.8	42
345	Annual cycle of Antarctic baseline aerosol: controlled by photooxidation-limited aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 3083-3093	6.8	16
344	Separation of ash and sulfur dioxide during the 2011 Grímsvöfn eruption. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 7477-7501	4.4	63
343	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	6.3	37
342	State of the Climate in 2013. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, S1-S279	6.1	128
341	Arctic Air Pollution: New Insights from POLARCAT-IPY. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, 1873-1895	6.1	85
340	Aerosol radiative forcing from the 2010 Eyjafjallajökull volcanic eruptions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 9481-9491	4.4	16
339	A robust method for inverse transport modeling of atmospheric emissions using blind outlier detection. <i>Geoscientific Model Development</i> , 2014 , 7, 2303-2311	6.3	20

338	Fire in the Air: Biomass Burning Impacts in a Changing Climate. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 40-83	11.1	96
337	Natural iron fertilization by the Eyjafjallajökull volcanic eruption. <i>Geophysical Research Letters</i> , 2013 , 40, 921-926	4.9	87
336	Forecasting long-range atmospheric transport episodes of polychlorinated biphenyls using FLEXPART. <i>Atmospheric Environment</i> , 2013 , 71, 335-339	5.3	6
335	Airborne investigation of the aerosols/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	5.3	6
334	Lagrangian Models for Nuclear Studies: Examples and Applications. <i>Geophysical Monograph Series</i> , 2013 , 329-348	1.1	2
333	Moisture Origin and Meridional Transport in Atmospheric Rivers and Their Association with Multiple Cyclones*. <i>Monthly Weather Review</i> , 2013 , 141, 2850-2868	2.4	133
332	Simulation of SEVIRI infrared channels: a case study from the Eyjafjallajökull April/May 2010 eruption. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 649-660	4	8
331	The Lagrangian particle dispersion model FLEXPART-WRF version 3.0 2013 ,		5
330	The Lagrangian particle dispersion model FLEXPART-WRF version 3.1. <i>Geoscientific Model Development</i> , 2013 , 6, 1889-1904	6.3	192
329	Input Data Requirements for Lagrangian Trajectory Models. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 1051-1058	6.1	44
328	Tropospheric ozone over Siberia in spring 2010: remote influences and stratospheric intrusion. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2013 , 65, 19688	3.3	8
327	The Fukushima inverse problem 2013 ,		9
326	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	11.5	6
325	A Bayesian Method to Rank Different Model Forecasts of the Same Volcanic Ash Cloud. <i>Geophysical Monograph Series</i> , 2013 , 299-310	1.1	2
324	Operational Volcanic Ash Cloud Modeling: Discussion on Model Inputs, Products, and the Application of Real-Time Probabilistic Forecasting. <i>Geophysical Monograph Series</i> , 2013 , 271-298	1.1	1
323	Operational Emergency Preparedness Modeling Overview. <i>Geophysical Monograph Series</i> , 2013 , 266-269	1.1	1
322	Global-Scale Tropospheric Lagrangian Particle Models With Linear Chemistry. <i>Geophysical Monograph Series</i> , 2013 , 235-250	1.1	2
321	Estimating European Halocarbon Emissions Using Lagrangian Backward Transport Modeling and in Situ Measurements at the Jungfraujoch High-Alpine Site. <i>Geophysical Monograph Series</i> , 2013 , 207-222	1.1	8

320	The Use of a High-Resolution Emission Data Set in a Global Eulerian-Lagrangian Coupled Model. <i>Geophysical Monograph Series</i> , 2013 , 173-184	1.1	3
319	Linking Carbon Dioxide Variability at Hateruma Station to East Asia Emissions by Bayesian Inversion. <i>Geophysical Monograph Series</i> , 2013 , 163-172	1.1	0
318	Applications of Lagrangian Modeling: Greenhouse Gases Overview. <i>Geophysical Monograph Series</i> , 2013 , 144-148	1.1	
317	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	1.1	4
316	Moisture Sources and Large-Scale Dynamics Associated With a Flash Flood Event. <i>Geophysical Monograph Series</i> , 2013 , 111-126	1.1	25
315	Entropy-Based and Static Stability-Based Lagrangian Model Grids. <i>Geophysical Monograph Series</i> , 2013 , 99-110	1.1	12
314	History of Lagrangian Stochastic Models for Turbulent Dispersion. <i>Geophysical Monograph Series</i> , 2013 , 19-36	1.1	18
313	Lagrangian Modeling of the Atmosphere: An Introduction. <i>Geophysical Monograph Series</i> , 2013 , 1-11	1.1	6
312	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	6.8	89
311	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	6.8	10
310	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	6.8	57
309	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	6.8	55
308	Black carbon physical properties and mixing state in the European megacity Paris. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5831-5856	6.8	138
307	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	6.8	72
306	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	6.8	263
305	The dispersion characteristics of air pollution from the world's megacities. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9975-9996	6.8	23
304	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	6.8	26
303	Volcanic aerosol optical properties and phase partitioning behavior after long-range advection characterized by UV-Lidar measurements. <i>Atmospheric Environment</i> , 2012 , 48, 76-84	5.3	23

302	Impact of the 2009 Attica wild fires on the air quality in urban Athens. <i>Atmospheric Environment</i> , 2012 , 46, 536-544	5.3	40
301	Optical properties and vertical extension of aged ash layers over the Eastern Mediterranean as observed by Raman lidars during the Eyjafjallajökull eruption in May 2010. <i>Atmospheric Environment</i> , 2012 , 48, 56-65	5.3	39
300	Aerosol properties of the Eyjafjallajökull ash derived from sun photometer and satellite observations over the Iberian Peninsula. <i>Atmospheric Environment</i> , 2012 , 48, 22-32	5.3	19
299	Oceanic and terrestrial sources of continental precipitation. <i>Reviews of Geophysics</i> , 2012 , 50,	23.1	292
298	Primary source regions of polychlorinated biphenyls (PCBs) measured in the Arctic. <i>Atmospheric Environment</i> , 2012 , 62, 391-399	5.3	16
297	The total release of xenon-133 from the Fukushima Dai-ichi nuclear power plant accident. <i>Journal of Environmental Radioactivity</i> , 2012 , 112, 155-9	2.4	39
296	High levels of particulate matter in Iceland due to direct ash emissions by the Eyjafjallajökull eruption and resuspension of deposited ash. <i>Journal of Geophysical Research</i> , 2012 , 117,		67
295	Performance assessment of a volcanic ash transport model mini-ensemble used for inverse modeling of the 2010 Eyjafjallajökull eruption. <i>Journal of Geophysical Research</i> , 2012 , 117,		70
294	New particle formation at a remote site in the eastern Mediterranean. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		40
293	Chemical composition of tropospheric air masses encountered during high altitude flights (>11.5 km) during the 2009 fall Operation Ice Bridge field campaign. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		2
292	Uncertainties in the inverse modelling of sulphur dioxide eruption profiles. <i>Geomatics, Natural Hazards and Risk</i> , 2012 , 3, 97-97	3.6	
291	Low concentrations of near-surface ozone in Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2012 , 64, 11607	3.3	14
290	Simulation of SEVIRI infrared channels: a case study from the Eyjafjallajökull April/May 2010 eruption 2012 ,		1
289	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	3	7
288	Emission and transport of bromocarbons: from the West Pacific ocean into the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 10633-10648	6.8	54
287	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	6.8	41
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