

# Michael Schulz

## List of Publications by Year in descending order

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172  
papers

31,846  
citations

10070

75  
h-index

6024

165  
g-index

234  
all docs

234  
docs citations

234  
times ranked

21543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncertainties in assessing radiative forcing by mineral dust. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 50, 491.	0.8	111
2	Biomass burning aerosols in most climate models are too absorbing. <i>Nature Communications</i> , 2021, 12, 277.	5.8	84
3	AeroCom phase III multi-model evaluation of the aerosol life cycle and optical properties using ground- and space-based remote sensing as well as surface in situ observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 87-128.	1.9	96
4	Effective radiative forcing from emissions of reactive gases and aerosols – a multi-model comparison. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 853-874.	1.9	65
5	AEROCOM and AEROSAT AOD and SSA study – Part I: Evaluation and intercomparison of satellite measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6895-6917.	1.9	27
6	Evaluation of natural aerosols in CRESCENDO Earth system models (ESMs): mineral dust. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10295-10335.	1.9	20
7	Energy Budget Constraints on the Time History of Aerosol Forcing and Climate Sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033622.	1.2	25
8	Understanding Top-of-Atmosphere Flux Bias in the AeroCom Phase III Models: A Clear-Sky Perspective. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002584.	1.3	4
9	Shutdown of Southern Ocean convection controls long-term greenhouse gas-induced warming. <i>Nature Geoscience</i> , 2021, 14, 724-731.	5.4	19
10	Climate-driven chemistry and aerosol feedbacks in CMIP6 Earth system models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1105-1126.	1.9	39
11	Aerosol absorption in global models from AeroCom phase III. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15929-15947.	1.9	27
12	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000660.	9.0	424
13	Fast responses on pre-industrial climate from present-day aerosols in a CMIP6 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8381-8404.	1.9	18
14	Prediction of source contributions to urban background PM <sub>10</sub> concentrations in European cities: a case study for an episode in December 2016 using EMEP/MSC-W rv4.15 and LOTOS-EUROS v2.0 – Part 1: The country contributions. <i>Geoscientific Model Development</i> , 2020, 13, 1787-1807.	1.3	17
15	A global model – measurement evaluation of particle light scattering coefficients at elevated relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10231-10258.	1.9	19
16	Effects of global ship emissions on European air pollution levels. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11399-11422.	1.9	47
17	An AeroCom – AeroSat study: intercomparison of satellite AOD datasets for aerosol model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12431-12457.	1.9	40
18	Evaluation of climate model aerosol trends with ground-based observations over the last 2 decades – an AeroCom and CMIP6 analysis. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13355-13378.	1.9	38

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19	Historical and future changes in air pollutants from CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14547-14579.	1.9	105
20	Bias in CMIP6 models as compared to observed regional dimming and brightening. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 16023-16040.	1.9	25
21	Cloudy-sky contributions to the direct aerosol effect. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8855-8865.	1.9	8
22	Climate and air quality impacts due to mitigation of non-methane near-term climate forcers. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9641-9663.	1.9	30
23	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4353-4392.	1.2	65
24	Ocean biogeochemistry in the Norwegian Earth System Model version 2 (NorESM2). <i>Geoscientific Model Development</i> , 2020, 13, 2393-2431.	1.3	68
25	Overview of the Norwegian Earth System Model (NorESM2) and key climate response of CMIP6 DECK, historical, and scenario simulations. <i>Geoscientific Model Development</i> , 2020, 13, 6165-6200.	1.3	280
26	ESD Reviews: Climate feedbacks in the Earth system and prospects for their evaluation. <i>Earth System Dynamics</i> , 2019, 10, 379-452.	2.7	46
27	African dust deposition in Puerto Rico: Analysis of a 20-year rainfall chemistry record and comparison with models. <i>Atmospheric Environment</i> , 2019, 216, 116907.	1.9	17
28	The CAMS reanalysis of atmospheric composition. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3515-3556.	1.9	524
29	Asian and Trans-Pacific Dust: A Multimodel and Multiremote Sensing Observation Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13534-13559.	1.2	24
30	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , 2019, 9, 953.	1.6	166
31	Spatial Representativeness Error in the Ground-Level Observation Networks for Black Carbon Radiation Absorption. <i>Geophysical Research Letters</i> , 2018, 45, 2106-2114.	1.5	18
32	Aerosol Absorption: Progress Towards Global and Regional Constraints. <i>Current Climate Change Reports</i> , 2018, 4, 65-83.	2.8	103
33	Climate Response to Aerosol Geoengineering: A Multimethod Comparison. <i>Journal of Climate</i> , 2018, 31, 6319-6340.	1.2	20
34	Concentrations and radiative forcing of anthropogenic aerosols from 1750 to 2014 simulated with the Oslo-CTM3 and CEDS emission inventory. <i>Geoscientific Model Development</i> , 2018, 11, 4909-4931.	1.3	35
35	Strong impacts on aerosol indirect effects from historical oxidant changes. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7669-7690.	1.9	34
36	Long-range transport impacts on surface aerosol concentrations and the contributions to haze events in China: an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15581-15600.	1.9	12

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37	The effects of intercontinental emission sources on European air pollution levels. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13655-13672.	1.9	34
38	A production-tagged aerosol module for Earth system models, OsloAero5.3 “ extensions and updates for CAM5.3-Oslo. <i>Geoscientific Model Development</i> , 2018, 11, 3945-3982.	1.3	44
39	On the spatio-temporal representativeness of observations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9761-9780.	1.9	84
40	Aerosols at the poles: an AeroCom Phase II multi-model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12197-12218.	1.9	58
41	Investigation of global particulate nitrate from the AeroCom phase III experiment. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12911-12940.	1.9	99
42	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the period 1990–2015. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2709-2720.	1.9	87
43	Technical note: Coordination and harmonization of the multi-scale, multi-model activities HTAP2, AQMEII3, and MICS-Asia3: simulations, emission inventories, boundary conditions, and model output formats. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1543-1555.	1.9	81
44	Uncertainty assessment and applicability of an inversion method for volcanic ash forecasting. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9205-9222.	1.9	4
45	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. <i>Geoscientific Model Development</i> , 2017, 10, 585-607.	1.3	202
46	The operational eMEP model version 10.4 for volcanic SO <sub>2</sub> and ash forecasting. <i>Geoscientific Model Development</i> , 2017, 10, 1927-1943.	1.3	3
47	Development, Production and Evaluation of Aerosol Climate Data Records from European Satellite Observations (Aerosol_cci). <i>Remote Sensing</i> , 2016, 8, 421.	1.8	131
48	Evaluation of the aerosol vertical distribution in global aerosol models through comparison against CALIOP measurements: AeroCom phase II results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7254-7283.	1.2	80
49	Recommendations for diagnosing effective radiative forcing from climate models for CMIP6. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,460.	1.2	161
50	Global and regional radiative forcing from 20% reductions in BC, OC and SO <sub>4</sub> : an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13579-13599.	1.9	42
51	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
52	What controls the vertical distribution of aerosol? Relationships between process sensitivity in HadGEM3-UKCA and inter-model variation from AeroCom Phase II. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2221-2241.	1.9	82
53	Forecasting the northern African dust outbreak towards Europe in April 2011: a model intercomparison. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4967-4986.	1.9	32
54	Multi-model evaluation of short-lived pollutant distributions over east Asia during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10765-10792.	1.9	17

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55	Will a perfect model agree with perfect observations? The impact of spatial sampling. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6335-6353.	1.9	108
56	A model study of the pollution effects of the first 3 months of the Holuhraun volcanic fissure: comparison with observations and air pollution effects. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9745-9760.	1.9	8
57	Modeling the distribution and seasonality of <i>Neogloboquadrina pachyderma</i> in the North Atlantic Ocean during Heinrich Stadial 1. <i>Paleoceanography</i> , 2016, 31, 986-1010.	3.0	19
58	Aerosol single-scattering albedo over the global oceans: Comparing PARASOL retrievals with AERONET, OMI, and AeroCom models estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9814-9836.	1.2	58
59	The MACC-II 2007-2008 reanalysis: atmospheric dust evaluation and characterization over northern Africa and the Middle East. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3991-4024.	1.9	76
60	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
61	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	1.9	365
62	Validation of reactive gases and aerosols in the MACC global analysis and forecast system. <i>Geoscientific Model Development</i> , 2015, 8, 3523-3543.	1.3	49
63	Performance of European chemistry transport models as function of horizontal resolution. <i>Atmospheric Environment</i> , 2015, 112, 90-105.	1.9	85
64	Evaluation of seven European aerosol optical depth retrieval algorithms for climate analysis. <i>Remote Sensing of Environment</i> , 2015, 162, 295-315.	4.6	112
65	Arctic sea ice and atmospheric circulation under the GeoMIP G1 scenario. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 567-583.	1.2	45
66	Impacts of intercontinental transport of anthropogenic fine particulate matter on human mortality. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 369-379.	1.5	64
67	Sources, sinks, and transatlantic transport of North African dust aerosol: A multimodel analysis and comparison with remote sensing data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6259-6277.	1.2	88
68	Upward adjustment needed for aerosol radiative forcing uncertainty. <i>Nature Climate Change</i> , 2014, 4, 230-232.	8.1	19
69	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	1.9	363
70	A global model simulation of present and future nitrate aerosols and their direct radiative forcing of climate. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11031-11063.	1.9	167
71	Modelled black carbon radiative forcing and atmospheric lifetime in AeroCom Phase II constrained by aircraft observations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12465-12477.	1.9	157
72	An AeroCom assessment of black carbon in Arctic snow and sea ice. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2399-2417.	1.9	86

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73	A new method for evaluating the impact of vertical distribution on aerosol radiative forcing in general circulation models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 877-897.	1.9	29
74	Intercomparison and evaluation of global aerosol microphysical properties among AeroCom models of a range of complexity. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4679-4713.	1.9	148
75	Forcings and feedbacks in the GeoMIP ensemble for a reduction in solar irradiance and increase in CO <sub>2</sub> . <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5226-5239.	1.2	19
76	Numerical Dust Models. , 2014, , 201-222.		7
77	Climate model response from the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8320-8332.	1.2	226
78	Climate change projections using the IPSL-CM5 Earth System Model: from CMIP3 to CMIP5. <i>Climate Dynamics</i> , 2013, 40, 2123-2165.	1.7	1,425
79	Aerosol and ozone changes as forcing for climate evolution between 1850 and 2100. <i>Climate Dynamics</i> , 2013, 40, 2223-2250.	1.7	157
80	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5380-5552.	1.2	4,319
81	Global-scale seasonally resolved black carbon vertical profiles over the Pacific. <i>Geophysical Research Letters</i> , 2013, 40, 5542-5547.	1.5	124
82	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. <i>Geoscientific Model Development</i> , 2013, 6, 179-206.	1.3	388
83	Aerosol-climate interactions in the Norwegian Earth System Model "NorESM1-M. <i>Geoscientific Model Development</i> , 2013, 6, 207-244.	1.3	158
84	Radiative forcing of the direct aerosol effect from AeroCom Phase II simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1853-1877.	1.9	779
85	Intercomparison of shortwave radiative transfer schemes in global aerosol modeling: results from the AeroCom Radiative Transfer Experiment. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2347-2379.	1.9	94
86	Black carbon vertical profiles strongly affect its radiative forcing uncertainty. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2423-2434.	1.9	223
87	Radiative forcing in the ACCMIP historical and future climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2939-2974.	1.9	395
88	Host model uncertainties in aerosol radiative forcing estimates: results from the AeroCom Prescribed intercomparison study. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3245-3270.	1.9	143
89	Sea-salt injections into the low-latitude marine boundary layer: The transient response in three Earth system models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,195.	1.2	35
90	A multimodel assessment of the influence of regional anthropogenic emission reductions on aerosol direct radiative forcing and the role of intercontinental transport. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 700-720.	1.2	49

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91	The hydrological impact of geoengineering in the Geoengineering Model Intercomparison Project (GeoMIP). Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,036.	1.2	202
92	Aerosol retrieval experiments in the ESA Aerosol_cci project. Atmospheric Measurement Techniques, 2013, 6, 1919-1957.	1.2	76
93	Solar irradiance reduction to counteract radiative forcing from a quadrupling of CO <sub>2</sub> : climate responses simulated by four earth system models. Earth System Dynamics, 2012, 3, 63-78.	2.7	132
94	Aerosols in the CALIOPE air quality modelling system: evaluation and analysis of PM levels, optical depths and chemical composition over Europe. Atmospheric Chemistry and Physics, 2012, 12, 3363-3392.	1.9	63
95	Application of the CALIOP layer product to evaluate the vertical distribution of aerosols estimated by global models: AeroCom phase I results. Journal of Geophysical Research, 2012, 117, .	3.3	170
96	Atmospheric Transport and Deposition of Mineral Dust to the Ocean: Implications for Research Needs. Environmental Science & Technology, 2012, 46, 10390-10404.	4.6	187
97	Aerosol analysis and forecast in the European Centre for Medium-Range Weather Forecasts Integrated Forecast System: 3. Evaluation by means of case studies. Journal of Geophysical Research, 2011, 116, .	3.3	53
98	Production flux of sea spray aerosol. Reviews of Geophysics, 2011, 49, .	9.0	458
99	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) – integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	1.9	278
100	Soot microphysical effects on liquid clouds, a multi-model investigation. Atmospheric Chemistry and Physics, 2011, 11, 1051-1064.	1.9	58
101	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model – Part 1: Model description, annual simulations and evaluation. Atmospheric Chemistry and Physics, 2011, 11, 13001-13027.	1.9	198
102	Global dust model intercomparison in AeroCom phase I. Atmospheric Chemistry and Physics, 2011, 11, 7781-7816.	1.9	839
103	The Geoengineering Model Intercomparison Project (GeoMIP). Atmospheric Science Letters, 2011, 12, 162-167.	0.8	314
104	Maritime aerosol network as a component of AERONET – first results and comparison with global aerosol models and satellite retrievals. Atmospheric Measurement Techniques, 2011, 4, 583-597.	1.2	152
105	Aerosol Analysis and Forecast in the ECMWF Integrated Forecast System: Evaluation by Means of Case Studies. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 525-528.	0.1	1
106	A multi-model analysis of vertical ozone profiles. Atmospheric Chemistry and Physics, 2010, 10, 5759-5783.	1.9	70
107	African dust deposition to Florida: Temporal and spatial variability and comparisons to models. Journal of Geophysical Research, 2010, 115, .	3.3	100
108	Global-scale black carbon profiles observed in the remote atmosphere and compared to models. Geophysical Research Letters, 2010, 37, .	1.5	172

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109	Spatial scales of climate response to inhomogeneous radiative forcing. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	79
110	Increase in African dust flux at the onset of commercial agriculture in the Sahel region. <i>Nature</i> , 2010, 466, 226-228.	13.7	247
111	Atmospheric composition change: Climate–Chemistry interactions. <i>Atmospheric Environment</i> , 2009, 43, 5138-5192.	1.9	243
112	Measuring atmospheric composition change. <i>Atmospheric Environment</i> , 2009, 43, 5351-5414.	1.9	160
113	Imprint of North-Atlantic abrupt climate changes on western European loess deposits as viewed in a dust emission model. <i>Quaternary Science Reviews</i> , 2009, 28, 2851-2866.	1.4	61
114	Multimodel estimates of intercontinental source–receptor relationships for ozone pollution. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	430
115	Aerosol analysis and forecast in the European Centre for Medium–Range Weather Forecasts Integrated Forecast System: Forward modeling. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	360
116	Modeling the seasonal distribution of planktonic foraminifera during the Last Glacial Maximum. <i>Paleoceanography</i> , 2009, 24, .	3.0	40
117	LMDzT-INCA dust forecast model developments and associated validation efforts. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 7, 012014.	0.2	9
118	Aerosol indirect effects – general circulation model intercomparison and evaluation with satellite data. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8697-8717.	1.9	418
119	Evaluation of black carbon estimations in global aerosol models. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9001-9026.	1.9	585
120	What Do We Know about Large-scale Changes of Aerosols, Clouds, and the Radiation Budget?. , 2009, , 401-432.		8
121	Regional modeling of carbonaceous aerosols over Europe – focus on secondary organic aerosols. <i>Journal of Atmospheric Chemistry</i> , 2008, 61, 175-202.	1.4	157
122	What does temporal variability in aeolian dust deposition contribute to sea–surface iron and chlorophyll distributions?. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	55
123	Overview of the Dust and Biomass–burning Experiment and African Monsoon Multidisciplinary Analysis Special Observing Period –. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	188
124	Consistent simulation of bromine chemistry from the marine boundary layer to the stratosphere – Part 1: Model description, sea salt aerosols and pH. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5899-5917.	1.9	30
125	A multi-model assessment of pollution transport to the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5353-5372.	1.9	419
126	The effect of harmonized emissions on aerosol properties in global models – an AeroCom experiment. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4489-4501.	1.9	228



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127	Reevaluation of Mineral aerosol radiative forcings suggests a better agreement with satellite and AERONET data. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 81-95.	1.9	393
128	Assimilation of POLDER aerosol optical thickness into the LMDz-INCA model: Implications for the Arctic aerosol burden. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	64
129	Causes of the reduction in uncertainty in the anthropogenic radiative forcing of climate between IPCC (2001) and IPCC (2007). <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	43
130	Single-particle measurements of midlatitude black carbon and light-scattering aerosols from the boundary layer to the lower stratosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	594
131	An AeroCom initial assessment of optical properties in aerosol component modules of global models. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1815-1834.	1.9	697
132	Emissions of primary aerosol and precursor gases in the years 2000 and 1750 prescribed data-sets for AeroCom. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4321-4344.	1.9	912
133	Radiative forcing by aerosols as derived from the AeroCom present-day and pre-industrial simulations. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5225-5246.	1.9	633
134	A review of measurement-based assessments of the aerosol direct radiative effect and forcing. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 613-666.	1.9	745
135	Analysis and quantification of the diversities of aerosol life cycles within AeroCom. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1777-1813.	1.9	1,202
136	The aerosol-climate model ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1125-1156.	1.9	990
137	The vertical distribution of aerosol over Europe synthesis of one year of EARLINET aerosol lidar measurements and aerosol transport modeling with LMDzT-INCA. <i>Atmospheric Environment</i> , 2005, 39, 2933-2943.	1.9	47
138	Aerosol optical depths and direct radiative perturbations by species and source type. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	82
139	Estimates of global multicomponent aerosol optical depth and direct radiative perturbation in the Laboratoire de Météorologie Dynamique general circulation model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	144
140	Flux divergence of nitric acid in the marine atmospheric surface layer. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	15
141	Global modeling of heterogeneous chemistry on mineral aerosol surfaces: Influence on tropospheric ozone chemistry and comparison to observations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	231
142	Significant dust simulation differences in nudged and climatological operation mode of the AGCM ECHAM. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	51
143	Global Emissions of Mineral Aerosol: Formulation and Validation using Satellite Imagery. <i>Advances in Global Change Research</i> , 2004, , 239-267.	1.6	30
144	Sea-salt aerosol source functions and emissions. <i>Advances in Global Change Research</i> , 2004, , 333-359.	1.6	78

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145	Open-ocean aerosol composition obtained during 15 months on a North Sea ferry. Atmospheric Environment, 2003, 37, 133-143.	1.9	17
146	Deposition of nitrogen into the North Sea. Atmospheric Environment, 2003, 37, 145-165.	1.9	33
147	Monthly averages of aerosol properties: A global comparison among models, satellite data, and AERONET ground data. Journal of Geophysical Research, 2003, 108, .	3.3	258
148	Atmospheric nitrogen inputs into the North Sea: effect on productivity. Continental Shelf Research, 2003, 23, 1743-1755.	0.9	48
149	Improving the seasonal cycle and interannual variations of biomass burning aerosol sources. Atmospheric Chemistry and Physics, 2003, 3, 1211-1222.	1.9	85
150	The Global Distribution of Acidifying Wet Deposition. Environmental Science & Technology, 2002, 36, 4382-4388.	4.6	248
151	Influence of the source formulation on modeling the atmospheric global distribution of sea salt aerosol. Journal of Geophysical Research, 2001, 106, 27509-27524.	3.3	167
152	Atmospheric input of nitrogen into the North Sea: ANICE project overview. Continental Shelf Research, 2001, 21, 2073-2094.	0.9	41
153	Aerosol composition and related optical properties in the marine boundary layer over the Baltic Sea. Journal of Aerosol Science, 2001, 32, 933-955.	1.8	18
154	Modeling the atmospheric distribution of mineral aerosol: Comparison with ground measurements and satellite observations for yearly and synoptic timescales over the North Atlantic. Journal of Geophysical Research, 2000, 105, 1997-2012.	3.3	62
155	The North Sea Experiment 1991 (NOSE): A Lagrangian-type experiment. , 2000, , 13-23.		0
156	Transformation of Polluted Air Masses when Transported over Sea with respect to Deposition Processes. , 2000, , 85-88.		0
157	Aerosol and Rain Chemistry in the Marine Environment. , 2000, , 65-79.		0
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