

# Paul A Ginoux

## 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.

133 papers	19,368 citations	52 h-index	139 g-index
172 ext. papers	21,591 ext. citations	6.6 avg, IF	6.16 L-index

#	Paper	IF	Citations
133	Inferring iron-oxide species content in atmospheric mineral dust from DSCOVR EPIC observations. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 1395-1423	6.8	1
132	Oceanic and Atmospheric Drivers of Post-El-Niño Chlorophyll Rebound in the Equatorial Pacific. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	2
131	Aerosol absorption in global models from AeroCom phase III. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 15929-15947	6.8	4
130	Mineral dust cycle in the Multiscale Online Nonhydrostatic Atmosphere Chemistry model (MONARCH) Version 2.0. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 6403-6444	6.3	4
129	Assessing the contribution of the ENSO and MJO to Australian dust activity based on satellite- and ground-based observations. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8511-8530	6.8	2
128	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> , <b>2021</b> , 21, 87-128	6.8	29
127	Assessing the Influence of COVID-19 on the Shortwave Radiative Fluxes Over the East Asian Marginal Seas. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091699	4.9	8
126	Quantifying the range of the dust direct radiative effect due to source mineralogy uncertainty. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3973-4005	6.8	11
125	Grid-independent high-resolution dust emissions (v1.0) for chemical transport models: application to GEOS-Chem (12.5.0). <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 4249-4260	6.3	3
124	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> , <b>2021</b> , 13, e2021MS002584	7.1	1
123	Global dust optical depth climatology derived from CALIOP and MODIS aerosol retrievals on decadal timescales: regional and interannual variability. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 13369-13395	6.8	7
122	The GFDL Earth System Model Version 4.1 (GFDL-ESM 4.1): Overall Coupled Model Description and Simulation Characteristics. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS002015	7.1	97
121	Retrieving the global distribution of the threshold of wind erosion from satellite data and implementing it into the Geophysical Fluid Dynamics Laboratory land-atmosphere model (GFDL AM4.0/LM4.0). <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 55-81	6.8	8
120	Disproving the Bodélé Depression as the Primary Source of Dust Fertilizing the Amazon Rainforest. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088020	4.9	13
119	Evaluation of climate model aerosol trends with ground-based observations over the last 2 decades in an AeroCom and CMIP6 analysis. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13355-13378	6.8	12
118	Revisiting the Impact of Sea Salt on Climate Sensitivity. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL085601	4.9	17
117	The Earth Surface Mineral Dust Source Investigation: An Earth Science Imaging Spectroscopy Mission <b>2020</b> ,		7

116	The GFDL Global Atmospheric Chemistry-Climate Model AM4.1: Model Description and Simulation Characteristics. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS002032	7.1	25
115	Ocean Biogeochemistry in GFDL Earth System Model 4.1 and Its Response to Increasing Atmospheric CO <sub>2</sub> . <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS002043	7.1	24
114	Linear Relation Between Shifting ITCZ and Dust Hemispheric Asymmetry. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090499	4.9	5
113	SPEAR: The Next Generation GFDL Modeling System for Seasonal to Multidecadal Prediction and Projection. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001895	7.1	40
112	Toward Improved Cloud-Phase Simulation with a Mineral Dust and Temperature-Dependent Parameterization for Ice Nucleation in Mixed-Phase Clouds. <i>Journals of the Atmospheric Sciences</i> , <b>2019</b> , 76, 3655-3667	2.1	3
111	Monitoring the impact of desert dust outbreaks for air quality for health studies. <i>Environment International</i> , <b>2019</b> , 130, 104867	12.9	84
110	Air quality impacts from the electrification of light-duty passenger vehicles in the United States. <i>Atmospheric Environment</i> , <b>2019</b> , 208, 95-102	5.3	22
109	Seasonal Prediction Potential for Springtime Dustiness in the United States. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 9163-9173	4.9	5
108	Structure and Performance of GFDL CM4.0 Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 3691-3727	7.1	128
107	The Impacts of the Dust Radiative Effect on Vegetation Growth in the Sahel. <i>Global Biogeochemical Cycles</i> , <b>2019</b> , 33, 1582-1593	5.9	4
106	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 2. Model Description, Sensitivity Studies, and Tuning Strategies. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2018</b> , 10, 735-769	7.1	122
105	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 1. Simulation Characteristics With Prescribed SSTs. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2018</b> , 10, 691-734	7.1	100
104	Climatic factors contributing to long-term variations in surface fine dust concentration in the United States. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4201-4215	6.8	20
103	The Climatological Effect of Saharan Dust on Global Tropical Cyclones in a Fully Coupled GCM. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 5538-5559	4.4	20
102	Exploring the relationship between surface PM <sub>2.5</sub> and meteorology in Northern India <b>2018</b> ,		1
101	Exploring the relationship between surface PM <sub>2.5</sub> and meteorology in Northern India. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 10157-10175	6.8	34
100	How reliable are CMIP5 models in simulating dust optical depth?. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12491-12510	6.8	34
99	Changes in the aerosol direct radiative forcing from 2001 to 2015: observational constraints and regional mechanisms. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13265-13281	6.8	39

98	Changes in the aerosol direct radiative forcing from 2001 to 2015: observational constraints and regional mechanisms <b>2018</b> ,		1
97	Development of High-Resolution Dynamic Dust Source Function -A Case Study with a Strong Dust Storm in a Regional Model. <i>Atmospheric Environment</i> , <b>2017</b> , 159, 11-25	5.3	27
96	Space Observations of Dust in East Asia <b>2017</b> , 365-383		2
95	Gas-aerosol partitioning of ammonia in biomass burning plumes: Implications for the interpretation of spaceborne observations of ammonia and the radiative forcing of ammonium nitrate. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8084-8093	4.9	23
94	Projection of American dustiness in the late 21 century due to climate change. <i>Scientific Reports</i> , <b>2017</b> , 7, 5553	4.9	44
93	Comparing multiple model-derived aerosol optical properties to spatially collocated ground-based and satellite measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 4451-4475	6.8	12
92	Climate-vegetation interaction and amplification of Australian dust variability. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,823	4.9	25
91	The impact of the Pacific Decadal Oscillation on springtime dust activity in Syria. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 13431-13448	6.8	30
90	Sensitivity of nitrate aerosols to ammonia emissions and to nitrate chemistry: implications for present and future nitrate optical depth. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 1459-1477	6.8	55
89	Do MODIS-defined dust sources have a geomorphological signature?. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2606-2613	4.9	40
88	Uncertainty in Model Climate Sensitivity Traced to Representations of Cumulus Precipitation Microphysics. <i>Journal of Climate</i> , <b>2016</b> , 29, 543-560	4.4	89
87	Satellite-based global volcanic SO <sub>2</sub> emissions and sulfate direct radiative forcing during 2005-2012. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3446-3464	4.4	29
86	CLUBB as a unified cloud parameterization: Opportunities and challenges. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4540-4547	4.9	39
85	The Response of the Tropical Atlantic and West African Climate to Saharan Dust in a Fully Coupled GCM. <i>Journal of Climate</i> , <b>2015</b> , 28, 7071-7092	4.4	24
84	Bitz, Ginoux, Jacobson, Nizkorodov, and Yang Receive 2013 Atmospheric Sciences Ascent Awards: Response. <i>Eos</i> , <b>2014</b> , 95, 265-265	1.5	
83	Multivariate Probability Density Functions with Dynamics in the GFDL Atmospheric General Circulation Model: Global Tests. <i>Journal of Climate</i> , <b>2014</b> , 27, 2087-2108	4.4	43
82	The effect of the dynamic surface bareness on dust source function, emission, and distribution. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 871-886	4.4	54
81	Impact of preindustrial to present-day changes in short-lived pollutant emissions on atmospheric composition and climate forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 8086-8110	4.4	91

80	Application of the CALIOP layer product to evaluate the vertical distribution of aerosols estimated by global models: AeroCom phase I results. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		137
79	Sensitivity of scattering and absorbing aerosol direct radiative forcing to physical climate factors. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		29
78	Inferring ice formation processes from global-scale black carbon profiles observed in the remote atmosphere and model simulations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		24
77	Global-scale attribution of anthropogenic and natural dust sources and their emission rates based on MODIS Deep Blue aerosol products. <i>Reviews of Geophysics</i> , <b>2012</b> , 50,	23.1	800
76	Global air quality and climate. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 6663-83	58.5	334
75	Mixing of dust and NH <sub>4</sub> <sup>+</sup> observed globally over anthropogenic dust sources. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7351-7363	6.8	33
74	Global dust model intercomparison in AeroCom phase I. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 7781-7816	6.8	662
73	Assessing boreal forest fire smoke aerosol impacts on U.S. air quality: A case study using multiple data sets. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		40
72	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. <i>Journal of Climate</i> , <b>2011</b> , 24, 3484-3519	4.4	768
71	Transport of Patagonian dust to Antarctica. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		43
70	Identification of anthropogenic and natural dust sources using Moderate Resolution Imaging Spectroradiometer (MODIS) Deep Blue level 2 data. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		93
69	An empirically derived emission algorithm for wind-blown dust. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		43
68	Toward understanding the dust deposition in Antarctica during the Last Glacial Maximum: Sensitivity studies on plausible causes. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		14
67	Corrigendum to "Evaluation of black carbon estimations in global aerosol models" published in Atmos. Chem. Phys., 9, 9001-9026, 2009. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 79-81	6.8	16
66	Two-moment bulk stratiform cloud microphysics in the GFDL AM3 GCM: description, evaluation, and sensitivity tests. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 8037-8064	6.8	78
65	Evaluating inter-continental transport of fine aerosols: (1) Methodology, global aerosol distribution and optical depth. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 4327-4338	5.3	52
64	Atmospheric composition change [g]lobal and regional air quality. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5268-5350	5.3	592
63	Retrieving the composition and concentration of aerosols over the Indo-Gangetic basin using CALIOP and AERONET data. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	52

62	Inferring the composition and concentration of aerosols by combining AERONET and MPLNET data: Comparison with other measurements and utilization to evaluate GCM output. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		27
61	Evaluation of tropical and extratropical Southern Hemisphere African aerosol properties simulated by a climate model. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		32
60	Evaluation of black carbon estimations in global aerosol models. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 9001-9026	6.8	510
59	Distribution, transport, and deposition of mineral dust in the Southern Ocean and Antarctica: Contribution of major sources. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		166
58	Retrieving global aerosol sources from satellites using inverse modeling. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 209-250	6.8	117
57	Have Australian rainfall and cloudiness increased due to the remote effects of Asian anthropogenic aerosols?. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		111
56	Modeling the Interactions between Aerosols and Liquid Water Clouds with a Self-Consistent Cloud Scheme in a General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , <b>2007</b> , 64, 1189-1209	2.1	80
55	Direct Insertion of MODIS Radiances in a Global Aerosol Transport Model. <i>Journals of the Atmospheric Sciences</i> , <b>2007</b> , 64, 808-827	2.1	30
54	The effect of harmonized emissions on aerosol properties in global models In AeroCom experiment. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 4489-4501	6.8	205
53	Intercontinental transport of pollution and dust aerosols: implications for regional air quality. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5501-5517	6.8	237
52	GFDL's CM2 Global Coupled Climate Models. Part I: Formulation and Simulation Characteristics. <i>Journal of Climate</i> , <b>2006</b> , 19, 643-674	4.4	1313
51	Constraining the magnitude of the global dust cycle by minimizing the difference between a model and observations. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		146
50	Mineral dust aerosols in the NASA Goddard Institute for Space Sciences ModelE atmospheric general circulation model. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		159
49	Evaluation of aerosol distribution and optical depth in the Geophysical Fluid Dynamics Laboratory coupled model CM2.1 for present climate. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		61
48	An AeroCom initial assessment of optical properties in aerosol component modules of global models. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 1815-1834	6.8	575
47	Emissions of primary aerosol and precursor gases in the years 2000 and 1750 prescribed data-sets for AeroCom. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 4321-4344	6.8	765
46	Analysis and quantification of the diversities of aerosol life cycles within AeroCom. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 1777-1813	6.8	991
45	Links between topography, wind, deflation, lakes and dust: The case of the Bodélé Depression, Chad. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	151



44	Dust transport and deposition observed from the Terra-Moderate Resolution Imaging Spectroradiometer (MODIS) spacecraft over the Atlantic Ocean. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		427
43	Assessment of the global impact of aerosols on tropospheric oxidants. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		252
42	Direct radiative forcing of anthropogenic organic aerosol. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		41
41	Response of a coupled chemistry-climate model to changes in aerosol emissions: Global impact on the hydrological cycle and the tropospheric burdens of OH, ozone, and NO <sub>x</sub> . <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	49
40	Geophysical Fluid Dynamics Laboratory general circulation model investigation of the indirect radiative effects of anthropogenic sulfate aerosol. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		23
39	Long-term simulation of global dust distribution with the GOCART model: correlation with North Atlantic Oscillation. <i>Environmental Modelling and Software</i> , <b>2004</b> , 19, 113-128	5.2	353
38	Forecasting dust storms using the CARMA-dust model and MM5 weather data. <i>Environmental Modelling and Software</i> , <b>2004</b> , 19, 129-140	5.2	31
37	Aerosol distribution in the Northern Hemisphere during ACE-Asia: Results from global model, satellite observations, and Sun photometer measurements. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		142
36	Retrieving sources of fine aerosols from MODIS and AERONET observations by inverting GOCART model <b>2004</b> ,		1
35	Global Emissions of Mineral Aerosol: Formulation and Validation using Satellite Imagery. <i>Advances in Global Change Research</i> , <b>2004</b> , 239-267	1.2	25
34	Monthly averages of aerosol properties: A global comparison among models, satellite data, and AERONET ground data. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		218
33	Case study of a Chinese dust plume reaching the French Alps. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	152
32	Effects of nonsphericity on mineral dust modeling. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		55
31	Mineral aerosol contamination of TIROS Operational Vertical Sounder (TOVS) temperature and moisture retrievals. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		12
30	Global and regional decreases in tropospheric oxidants from photochemical effects of aerosols. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, n/a-n/a		390
29	Ocean primary production and climate: Global decadal changes. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	275
28	Atmospheric iron delivery and surface ocean biological activity in the Southern Ocean and Patagonian region. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	58
27	Empirical TOMS index for dust aerosol: Applications to model validation and source characterization. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		57

26	A global aerosol model forecast for the ACE-Asia field experiment. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		68
25	Long-range transport of Saharan dust to northern Europe: The 11–16 October 2001 outbreak observed with EARLINET. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, n/a-n/a		189
24	Phytoplankton and iron: validation of a global three-dimensional ocean biogeochemical model. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2003</b> , 50, 3143-3169	2.3	178
23	A Long-Term Record of Aerosol Optical Depth from TOMS Observations and Comparison to AERONET Measurements. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 398-413	2.1	456
22	A Comparison of Model- and Satellite-Derived Aerosol Optical Depth and Reflectivity. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 441-460	2.1	87
21	Radiative Forcing of Saharan Dust: GOCART Model Simulations Compared with ERBE Data. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 736-747	2.1	51
20	Tropospheric Aerosol Optical Thickness from the GOCART Model and Comparisons with Satellite and Sun Photometer Measurements. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 461-483	2.1	1004
19	Interpretation of TOMS observations of tropical tropospheric ozone with a global model and in situ observations. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 4-1		154
18	ENVIRONMENTAL CHARACTERIZATION OF GLOBAL SOURCES OF ATMOSPHERIC SOIL DUST IDENTIFIED WITH THE NIMBUS 7 TOTAL OZONE MAPPING SPECTROMETER (TOMS) ABSORBING AEROSOL PRODUCT. <i>Reviews of Geophysics</i> , <b>2002</b> , 40, 2-1	23.1	2000
17	How well do aerosol retrievals from satellites and representation in global circulation models match ground-based AERONET aerosol statistics?. <i>Advances in Global Change Research</i> , <b>2001</b> , 103-158	1.2	7
16	Sources and distributions of dust aerosols simulated with the GOCART model. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 20255-20273		1355
15	Experiment for Regional Sources and Sinks of Oxidants (EXPRESSO): An overview. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 30609-30624		51
14	Photochemistry and budget of ozone during the Mauna Loa Observatory Photochemistry Experiment (MLOPEX 2). <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 30275-30307		29
13	Biogenic volatile organic compound emissions in central Africa during the Experiment for the Regional Sources and Sinks of Oxidants (EXPRESSO) biomass burning season. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 30659-30671		46
12	Multi-model evaluation of aerosol optical properties in the AeroCom phase III Control experiment, using ground and space based columnar observations from AERONET, MODIS, AATSR and a merged satellite product as well as surface in-situ observations from GAW sites		6
11	Global dust model intercomparison in AeroCom phase I		20
10	Sensitivity of nitrate aerosols to ammonia emissions and to nitrate chemistry: implications for present and future nitrate optical depth		3
9	Analysis and quantification of the diversities of aerosol life cycles within AeroCom		13



8	The effect of harmonized emissions on aerosol properties in global models In AeroCom experiment	3
7	Retrieving global sources of aerosols from MODIS observations by inverting GOCART model	3
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4	Evaluation of climate model aerosol trends with ground-based observations over the last two decades In AeroCom and CMIP6 analysis	3
3	The MONARCH high-resolution reanalysis of desert dust aerosol over Northern Africa, the Middle East and Europe (2007–2016)	4
2	Mineral dust cycle in the Multiscale Online Nonhydrostatic Atmosphere Chemistry model (MONARCH) Version 2.0	7
1	Global Dust Optical Depth Climatology Derived from CALIOP and MODIS Aerosol Retrievals on Decadal Time Scales: Regional and Interannual Variability	2