

Gunnar Myhre

List of Publications by Year in descending order

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Version: 2024-02-01

212
papers

23,909
citations

9264

74
h-index

11308

136
g-index

331
all docs

331
docs citations

331
times ranked

15832
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of the direct radiative forcing due to sulfate and soot aerosols. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 50, 463.	1.6	85
2	Costs and global impacts of black carbon abatement strategies. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 625.	1.6	60
3	Present-day contribution of anthropogenic emissions from China to the global burden and radiative forcing of aerosol and ozone. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 618.	1.6	13
4	Understanding model diversity in future precipitation projections for South America. <i>Climate Dynamics</i> , 2022, 58, 1329-1347.	3.8	3
5	Future urban heat island influence on precipitation. <i>Climate Dynamics</i> , 2022, 58, 3393-3403.	3.8	23
6	Scientific data from precipitation driver response model intercomparison project. <i>Scientific Data</i> , 2022, 9, 123.	5.3	5
7	Biomass burning aerosols in most climate models are too absorbing. <i>Nature Communications</i> , 2021, 12, 277.	12.8	84
8	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.	4.9	96
9	Effective radiative forcing from emissions of reactive gases and aerosols – a multi-model comparison. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 853-874.	4.9	65
10	Effective Radiative Forcing in a GCM With Fixed Surface Temperatures. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033880.	3.3	17
11	Observational Evidence of Increasing Global Radiative Forcing. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091585.	4.0	45
12	Energy Budget Constraints on the Time History of Aerosol Forcing and Climate Sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033622.	3.3	25
13	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.	3.8	4
14	Distinct surface response to black carbon aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13797-13809.	4.9	2
15	Similar patterns of tropical precipitation and circulation changes under solar and greenhouse gas forcing. <i>Environmental Research Letters</i> , 2021, 16, 104045.	5.2	2
16	Aerosol absorption in global models from AeroCom phase III. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15929-15947.	4.9	27
17	A first-of-its-kind multi-model convection permitting ensemble for investigating convective phenomena over Europe and the Mediterranean. <i>Climate Dynamics</i> , 2020, 55, 3-34.	3.8	176
18	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000660.	23.0	424

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19	Updated Global Warming Potentials and Radiative Efficiencies of Halocarbons and Other Weak Atmospheric Absorbers. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000691.	23.0	60
20	Historical total ozone radiative forcing derived from CMIP6 simulations. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	6.8	44
21	The effect of rapid adjustments to halocarbons and N2O on radiative forcing. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	6.8	7
22	Reducing the aerosol forcing uncertainty using observational constraints on warm rain processes. <i>Science Advances</i> , 2020, 6, eaaz6433.	10.3	33
23	Black Carbon and Precipitation: An Energetics Perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032239.	3.3	8
24	A machine learning examination of hydroxyl radical differences among model simulations for CCMI-1. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1341-1361.	4.9	24
25	The Spectral Nature of Stratospheric Temperature Adjustment and its Application to Halocarbon Radiative Forcing. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001951.	3.8	26
26	A global modelâ€œmeasurement evaluation of particle light scattering coefficients at elevated relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10231-10258.	4.9	19
27	Distinct responses of Asian summer monsoon to black carbon aerosols and greenhouse gases. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11823-11839.	4.9	15
28	Evaluation of climate model aerosol trends with ground-based observations over the last 2â€œdecades â€œ an AeroCom and CMIP6 analysis. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13355-13378.	4.9	38
29	How aerosols and greenhouse gases influence the diurnal temperature range. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13467-13480.	4.9	23
30	Response of surface shortwave cloud radiative effect to greenhouse gases and aerosols and its impact on summer maximum temperature. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8251-8266.	4.9	7
31	Cloudy-sky contributions to the direct aerosol effect. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8855-8865.	4.9	8
32	Effective radiative forcing and adjustments in CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9591-9618.	4.9	149
33	Radiative forcing of climate change from the Copernicus reanalysis of atmospheric composition. <i>Earth System Science Data</i> , 2020, 12, 1649-1677.	9.9	22
34	The Southern Hemisphere Midlatitude Circulation Response to Rapid Adjustments and Sea Surface Temperature Driven Feedbacks. <i>Journal of Climate</i> , 2020, 33, 9673-9690.	3.2	3
35	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	21
36	Emerging Asian aerosol patterns. <i>Nature Geoscience</i> , 2019, 12, 582-584.	12.9	64

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37	Radiative Forcing of Climate: The Historical Evolution of the Radiative Forcing Concept, the Forcing Agents and their Quantification, and Applications. <i>Meteorological Monographs</i> , 2019, 59, 14.1-14.101.	5.0	52
38	Frequency of extreme precipitation increases extensively with event rareness under global warming. <i>Scientific Reports</i> , 2019, 9, 16063.	3.3	393
39	Arctic Amplification Response to Individual Climate Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6698-6717.	3.3	39
40	Comparison of Effective Radiative Forcing Calculations Using Multiple Methods, Drivers, and Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4382-4394.	3.3	21
41	Very Strong Atmospheric Methane Growth in the 4 Years 2014–2017: Implications for the Paris Agreement. <i>Global Biogeochemical Cycles</i> , 2019, 33, 318-342.	4.9	353
42	Efficacy of Climate Forcings in PDRMIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12824-12844.	3.3	55
43	Water vapour adjustments and responses differ between climate drivers. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12887-12899.	4.9	29
44	Intensification of summer precipitation with shorter time-scales in Europe. <i>Environmental Research Letters</i> , 2019, 14, 124050.	5.2	31
45	Anthropogenic aerosol forcing under the Shared Socioeconomic Pathways. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13827-13839.	4.9	43
46	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , 2019, 9, 953.	3.3	166
47	Spatial Representativeness Error in the Ground-Level Observation Networks for Black Carbon Radiation Absorption. <i>Geophysical Research Letters</i> , 2018, 45, 2106-2114.	4.0	18
48	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. <i>Nature Geoscience</i> , 2018, 11, 178-184.	12.9	56
49	A PDRMIP Multimodel Study on the Impacts of Regional Aerosol Forcings on Global and Regional Precipitation. <i>Journal of Climate</i> , 2018, 31, 4429-4447.	3.2	83
50	Lifetimes, direct and indirect radiative forcing, and global warming potentials of ethane (C ₂ H ₆), propane (C ₃ H ₈), and butane (C ₄ H ₁₀). <i>Atmospheric Science Letters</i> , 2018, 19, e804.	1.9	31
51	Aerosol Absorption: Progress Towards Global and Regional Constraints. <i>Current Climate Change Reports</i> , 2018, 4, 65-83.	8.6	103
52	Carbon Dioxide Physiological Forcing Dominates Projected Eastern Amazonian Drying. <i>Geophysical Research Letters</i> , 2018, 45, 2815-2825.	4.0	35
53	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	33
54	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.	3.6	35

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55	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8439-8452.	4.9	40
56	Comparison and Evaluation of Statistical Rainfall Disaggregation and High-Resolution Dynamical Downscaling over Complex Terrain. <i>Journal of Hydrometeorology</i> , 2018, 19, 1973-1982.	1.9	17
57	Drivers of Precipitation Change: An Energetic Understanding. <i>Journal of Climate</i> , 2018, 31, 9641-9657.	3.2	63
58	Understanding Rapid Adjustments to Diverse Forcing Agents. <i>Geophysical Research Letters</i> , 2018, 45, 12023-12031.	4.0	113
59	The Changing Seasonality of Extreme Daily Precipitation. <i>Geophysical Research Letters</i> , 2018, 45, 11,352.	4.0	37
60	Quantifying the Importance of Rapid Adjustments for Global Precipitation Changes. <i>Geophysical Research Letters</i> , 2018, 45, 11399-11405.	4.0	26
61	Sensible heat has significantly affected the global hydrological cycle over the historical period. <i>Nature Communications</i> , 2018, 9, 1922.	12.8	44
62	Climate sensitivity estimates – sensitivity to radiative forcing time series and observational data. <i>Earth System Dynamics</i> , 2018, 9, 879-894.	7.1	21
63	Inferring Surface Albedo Prediction Error Linked to Forest Structure at High Latitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4910-4925.	3.3	13
64	Strong constraints on aerosol–cloud interactions from volcanic eruptions. <i>Nature</i> , 2017, 546, 485-491.	27.8	191
65	Quasi-Additivity of the Radiative Effects of Marine Cloud Brightening and Stratospheric Sulfate Aerosol Injection. <i>Geophysical Research Letters</i> , 2017, 44, 11,158.	4.0	12
66	Rapid Adjustments Cause Weak Surface Temperature Response to Increased Black Carbon Concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11462-11481.	3.3	118
67	Halfway to doubling of CO2 radiative forcing. <i>Nature Geoscience</i> , 2017, 10, 710-711.	12.9	13
68	Slow and fast responses of mean and extreme precipitation to different forcing in CMIP5 simulations. <i>Geophysical Research Letters</i> , 2017, 44, 6383-6390.	4.0	32
69	PDRMIP: A Precipitation Driver and Response Model Intercomparison Project – Protocol and Preliminary Results. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1185-1198.	3.3	116
70	Aerosols at the poles: an AeroCom Phase II multi-model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12197-12218.	4.9	58
71	Investigation of global particulate nitrate from the AeroCom phase III experiment. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12911-12940.	4.9	99
72	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.	4.9	87

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73	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. <i>Geoscientific Model Development</i> , 2017, 10, 585-607.	3.6	202
74	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.	4.0	74
75	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.	3.3	80
76	Fast and slow precipitation responses to individual climate forcings: A PDRMIP multimodel study. <i>Geophysical Research Letters</i> , 2016, 43, 2782-2791.	4.0	179
77	Comparison of aerosol optical properties above clouds between POLDER and AeroCom models over the South East Atlantic Ocean during the fire season. <i>Geophysical Research Letters</i> , 2016, 43, 3991-4000.	4.0	23
78	Local biomass burning is a dominant cause of the observed precipitation reduction in southern Africa. <i>Nature Communications</i> , 2016, 7, 11236.	12.8	75
79	Radiative forcing of carbon dioxide, methane, and nitrous oxide: A significant revision of the methane radiative forcing. <i>Geophysical Research Letters</i> , 2016, 43, 12,614.	4.0	529
80	Recommendations for diagnosing effective radiative forcing from climate models for CMIP6. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,460.	3.3	161
81	Jury is still out on the radiative forcing by black carbon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5092-3.	7.1	43
82	Global and regional radiative forcing from 20% reductions in BC, OC and SO ₂ and NH ₃ : an HTAP2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13579-13599.	4.9	42
83	Multi-model evaluation of short-lived pollutant distributions over east Asia during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10765-10792.	4.9	17
84	Regional and seasonal radiative forcing by perturbations to aerosol and ozone precursor emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13885-13910.	4.9	17
85	Atmospheric methane evolution the last 40 years. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3099-3126.	4.9	67
86	An assessment of precipitation adjustment and feedback computation methods. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,608-11,619.	3.3	8
87	Manmade Changes in Cirrus Clouds from 1984 to 2007: A Preliminary Study. <i>Green Energy and Technology</i> , 2016, , 827-836.	0.6	2
88	Climate response to externally mixed black carbon as a function of altitude. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2913-2927.	3.3	59
89	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.	3.3	58
90	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	4.9	365

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91	Standard climate models radiation codes underestimate black carbon radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2883-2888.	4.9	29
92	Climate responses to anthropogenic emissions of short-lived climate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8201-8216.	4.9	69
93	Radiative forcing bias of simulated surface albedo modifications linked to forest cover changes at northern latitudes. <i>Biogeosciences</i> , 2015, 12, 2195-2205.	3.3	12
94	Declining uncertainty in transient climate response as CO ₂ forcing dominates future climate change. <i>Nature Geoscience</i> , 2015, 8, 181-185.	12.9	38
95	A lower and more constrained estimate of climate sensitivity using updated observations and detailed radiative forcing time series. <i>Earth System Dynamics</i> , 2014, 5, 139-175.	7.1	51
96	Climate Penalty for Shifting Shipping to the Arctic. <i>Environmental Science & Technology</i> , 2014, 48, 13273-13279.	10.0	29
97	How shorter black carbon lifetime alters its climate effect. <i>Nature Communications</i> , 2014, 5, 5065.	12.8	108
98	Aircraft emission mitigation by changing route altitude: A multi-model estimate of aircraft NO _x emission impact on O ₃ photochemistry. <i>Atmospheric Environment</i> , 2014, 95, 468-479.	4.1	46
99	Upward adjustment needed for aerosol radiative forcing uncertainty. <i>Nature Climate Change</i> , 2014, 4, 230-232.	18.8	19
100	Anthropogenic and Natural Radiative Forcing. , 2014, , 659-740.		786
101	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	4.9	363
102	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.	4.9	157
103	Effect of water vapor on the determination of aerosol direct radiative effect based on the AERONET fluxes. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6103-6110.	4.9	11
104	Energy budget constraints on climate response. <i>Nature Geoscience</i> , 2013, 6, 415-416.	12.9	270
105	Global warming potentials and radiative efficiencies of halocarbons and related compounds: A comprehensive review. <i>Reviews of Geophysics</i> , 2013, 51, 300-378.	23.0	390
106	Radiative forcing of the direct aerosol effect from AeroCom Phase II simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1853-1877.	4.9	779
107	Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2607-2634.	4.9	125
108	Reducing CO ₂ from shipping – do non-CO ₂ effects matter?. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4183-4201.	4.9	29

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109	Corrigendum to "Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP)" published in Atmos. Chem. Phys., 13, 2607-2634, 2013. Atmospheric Chemistry and Physics, 2013, 13, 6553-6554.	4.9	3
110	Intercomparison of shortwave radiative transfer schemes in global aerosol modeling: results from the AeroCom Radiative Transfer Experiment. Atmospheric Chemistry and Physics, 2013, 13, 2347-2379.	4.9	94
111	Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 3063-3085.	4.9	361
112	Influence of observed diurnal cycles of aerosol optical depth on aerosol direct radiative effect. Atmospheric Chemistry and Physics, 2013, 13, 7895-7901.	4.9	32
113	Environmental impacts of shipping in 2030 with a particular focus on the Arctic region. Atmospheric Chemistry and Physics, 2013, 13, 1941-1955.	4.9	35
114	Black carbon vertical profiles strongly affect its radiative forcing uncertainty. Atmospheric Chemistry and Physics, 2013, 13, 2423-2434.	4.9	223
115	Future methane, hydroxyl, and their uncertainties: key climate and emission parameters for future predictions. Atmospheric Chemistry and Physics, 2013, 13, 285-302.	4.9	171
116	Radiative forcing in the ACCMIP historical and future climate simulations. Atmospheric Chemistry and Physics, 2013, 13, 2939-2974.	4.9	395
117	Host model uncertainties in aerosol radiative forcing estimates: results from the AeroCom Prescribed intercomparison study. Atmospheric Chemistry and Physics, 2013, 13, 3245-3270.	4.9	143
118	Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. Atmospheric Chemistry and Physics, 2013, 13, 4057-4072.	4.9	61
119	The effect of carbon-nitrogen coupling on the reduced land carbon sink caused by tropospheric ozone. Geophysical Research Letters, 2013, 40, 3227-3231.	4.0	15
120	Hydrological sensitivity to greenhouse gases and aerosols in a global climate model. Geophysical Research Letters, 2013, 40, 1432-1438.	4.0	55
121	Corrigendum to "The HNO ₃ forming branch of the HO ₂ + NO reaction: pre-industrial-to-present trends in atmospheric species and radiative forcings" published in Atmos. Chem. Phys., 11, 8929-8943, 2011. Atmospheric Chemistry and Physics, 2012, 12, 7725-7725.	4.9	3
122	Future impact of traffic emissions on atmospheric ozone and OH based on two scenarios. Atmospheric Chemistry and Physics, 2012, 12, 12211-12225.	4.9	13
123	Short-lived climate forcers from current shipping and petroleum activities in the Arctic. Atmospheric Chemistry and Physics, 2012, 12, 1979-1993.	4.9	64
124	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
125	Bayesian estimation of climate sensitivity based on a simple climate model fitted to observations of hemispheric temperatures and global ocean heat content. Environmetrics, 2012, 23, 253-271.	1.4	78
126	Communicating the Probabilities of Extreme Surface Temperature Outcomes. Atmospheric and Climate Sciences, 2012, 02, 538-545.	0.3	0

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127	Strong atmospheric chemistry feedback to climate warming from Arctic methane emissions. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	55
128	Evaluation of radiation scheme performance within chemistry climate models. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	77
129	Vertical dependence of black carbon, sulphate and biomass burning aerosol radiative forcing. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	104
130	Future impact of non-land based traffic emissions on atmospheric ozone and OH – an optimistic scenario and a possible mitigation strategy. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11293-11317.	4.9	30
131	Anthropogenic radiative forcing time series from pre-industrial times until 2010. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11827-11857.	4.9	137
132	Black carbon in the atmosphere and snow, from pre-industrial times until present. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6809-6836.	4.9	104
133	Global dust model intercomparison in AeroCom phase I. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7781-7816.	4.9	839
134	The HNO ₃ forming branch of the HO ₂ + NO reaction: pre-industrial-to-present trends in atmospheric species and radiative forcings. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8929-8943.	4.9	51
135	Inferring absorbing organic carbon content from AERONET data. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 215-225.	4.9	175
136	Radiative forcing due to changes in ozone and methane caused by the transport sector. <i>Atmospheric Environment</i> , 2011, 45, 387-394.	4.1	87
137	Mitigation of short-lived heating components may lead to unwanted long-term consequences. <i>Atmospheric Environment</i> , 2011, 45, 6103-6106.	4.1	22
138	Direct radiative effect of aerosols emitted by transport: from road, shipping and aviation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4477-4489.	4.9	78
139	Corrigendum to "Evaluation of black carbon estimations in global aerosol models" published in <i>Atmos. Chem. Phys.</i> , 9, 9001-9026, 2009. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 79-81.	4.9	17
140	Anthropogenic land cover changes in a GCM with surface albedo changes based on MODIS data. <i>International Journal of Climatology</i> , 2010, 30, 2105-2117.	3.5	44
141	Addendum to "A fast method for updating global fossil fuel carbon dioxide emissions". <i>Environmental Research Letters</i> , 2010, 5, 039701.	5.2	2
142	Impacts of the Large Increase in International Ship Traffic 2000~2007 on Tropospheric Ozone and Methane. <i>Environmental Science & Technology</i> , 2010, 44, 2482-2489.	10.0	43
143	A fast method for updating global fossil fuel carbon dioxide emissions. <i>Environmental Research Letters</i> , 2009, 4, 034012.	5.2	27
144	Global temperature change from the transport sectors: Historical development and future scenarios. <i>Atmospheric Environment</i> , 2009, 43, 6260-6270.	4.1	80

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145	Radiative forcing from household fuel burning in Asia†. <i>Atmospheric Environment</i> , 2009, 43, 5674-5681.	4.1	26
146	Atmospheric composition change: Climate–Chemistry interactions. <i>Atmospheric Environment</i> , 2009, 43, 5138-5192.	4.1	243
147	Modelling of chemical and physical aerosol properties during the ADRIEX aerosol campaign. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 53-66.	2.7	8
148	Consistency Between Satellite-Derived and Modeled Estimates of the Direct Aerosol Effect. <i>Science</i> , 2009, 325, 187-190.	12.6	260
149	The impact of traffic emissions on atmospheric ozone and OH: results from QUANTIFY. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3113-3136.	4.9	143
150	Modelled radiative forcing of the direct aerosol effect with multi-observation evaluation. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1365-1392.	4.9	187
151	Anthropogenic influence on SOA and the resulting radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2715-2728.	4.9	74
152	Extensive reduction of surface UV radiation since 1750 in world's populated regions. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7737-7751.	4.9	7
153	Evaluation of black carbon estimations in global aerosol models. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9001-9026.	4.9	585
154	Intercomparison of radiative forcing calculations of stratospheric water vapour and contrails. <i>Meteorologische Zeitschrift</i> , 2009, 18, 585-596.	1.0	63
155	Overview of the biosphere-aerosol-cloud-climate interactions (BACCI) studies. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 300-317.	1.6	12
156	Ocean temperature forcing by aerosols across the Atlantic tropical cyclone development region. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	51
157	Modeling of the solar radiative impact of biomass burning aerosols during the Dust and Biomass-burning Experiment (DABEX). <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
158	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
159	Climate forcing from the transport sectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 454-458.	7.1	269
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