Ragnhild B Skeie

List of Publications by Year
in descending order

63 papers	8,639 citations	87401 40 h-index	124990 64 g-index
111 all docs	111 docs citations	111 times ranked	10499 citing authors

#	Article	IF	Citations
1	Costs and global impacts of black carbon abatement strategies. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 625.	0.8	60
2	Indicate separate contributions of long-lived and short-lived greenhouse gases in emission targets. Npj Climate and Atmospheric Science, 2022, 5, 5.	2.6	36
3	Model evaluation of short-lived climate forcers for the Arctic Monitoring and Assessment Programme: a multi-species, multi-model study. Atmospheric Chemistry and Physics, 2022, 22, 5775-5828.	1.9	15
4	Biomass burning aerosols in most climate models are too absorbing. Nature Communications, 2021, 12, 277.	5.8	84
5	A future perspective of historical contributions to climate change. Climatic Change, 2021, 164, 1.	1.7	6
6	Effective radiative forcing from emissions of reactive gases and aerosols â€“ a multi-model comparison. Atmospheric Chemistry and Physics, 2021, 21, 853-874.	1.9	65
7	The Climate Response to Emissions Reductions Due to COVIDâ€19: Initial Results From CovidMIP. Geophysical Research Letters, 2021, 48, e2020GL091883.	1.5	43
8	Modifying emissions scenario projections to account for the effects of COVID-19: protocol for CovidMIP. Geoscientific Model Development, 2021, 14, 3683-3695.	1.3	28
9	Reduced Complexity Model Intercomparison Project Phase 2: Synthesizing Earth System Knowledge for Probabilistic Climate Projections. Earth's Future, 2021, 9, e2020EF001900.	2.4	28
10	Understanding Topâ€ofâ€Atmosphere Flux Bias in the AeroCom Phase III Models: A Clearâ€Sky Perspective. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002584.	1.3	4
11	Climate-driven chemistry and aerosol feedbacks in CMIP6 Earth system models. Atmospheric Chemistry and Physics, 2021, 21, 1105-1126.	1.9	39
12	Historical total ozone radiative forcing derived from CMIP6 simulations. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	44
13	Evaluation of climate model aerosol trends with ground-based observations over the last 2Âdecades â€“ an AeroCom and CMIP6 analysis. Atmospheric Chemistry and Physics, 2020, 20, 13355-13378.	1.9	38
14	Cloudy-sky contributions to the direct aerosol effect. Atmospheric Chemistry and Physics, 2020, 20, 8855-8865.	1.9	8
15	Reduced Complexity Model Intercomparison Project Phase 1: introduction and evaluation of global-mean temperature response. Geoscientific Model Development, 2020, 13, 5175-5190.	1.3	70
16	Global and regional trends of atmospheric sulfur. Scientific Reports, 2019, 9, 953.	1.6	166
17	Reply to â€˜Interpretations of the Paris climate targetâ€™. Nature Geoscience, 2018, 11, 222-222.	5.4	8
18	Concentrations and radiative forcing of anthropogenic aerosols from 1750 to 2014 simulated with the OsloÂCTM3 and CEDS emission inventory. Geoscientific Model Development, 2018, 11, 4909-4931.	1.3	35

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19	Short Black Carbon lifetime inferred from a global set of aircraft observations. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	57
20	Climate sensitivity estimates â€“ sensitivity to radiative forcing time series and observational data. Earth System Dynamics, 2018, 9, 879-894.	2.7	21
21	Assigning historic responsibility for extreme weather events. Nature Climate Change, 2017, 7, 757-759.	8.1	49
22	Emission budgets and pathways consistent with limiting warming to 1.5â€‰Â°C. Nature Geoscience, 2017, 10, 741-747.	5.4	422
23	Perspective has a strong effect on the calculation of historical contributions to global warming. Environmental Research Letters, 2017, 12, 024022.	2.2	57
24	Aerosols at the poles: an AeroCom Phase II multi-model evaluation. Atmospheric Chemistry and Physics, 2017, 17, 12197-12218.	1.9	58
25	Investigation of global particulate nitrate from the AeroCom phaseÂIII experiment. Atmospheric Chemistry and Physics, 2017, 17, 12911-12940.	1.9	99
26	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the periodÂ1990â€“2015. Atmospheric Chemistry and Physics, 2017, 17, 2709-2720.	1.9	87
27	Evaluation of the aerosol vertical distribution in global aerosol models through comparison against CALIOP measurements: AeroCom phase II results. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7254-7283.	1.2	80
28	Comparison of aerosol optical properties above clouds between POLDER and AeroCom models over the South East Atlantic Ocean during the fire season. Geophysical Research Letters, 2016, 43, 3991-4000.	1.5	23
29	What controls the vertical distribution of aerosol? Relationships between process sensitivity in HadGEM3â€“UKCA and inter-model variation from AeroCom Phase II. Atmospheric Chemistry and Physics, 2016, 16, 2221-2241.	1.9	82
30	Multi-model evaluation of short-lived pollutant distributions over east Asia during summer 2008. Atmospheric Chemistry and Physics, 2016, 16, 10765-10792.	1.9	17
31	Aerosol singleâ€scattering albedo over the global oceans: Comparing PARASOL retrievals with AERONET, OMI, and AeroCom models estimates. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9814-9836.	1.2	58
32	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. Atmospheric Chemistry and Physics, 2015, 15, 9413-9433.	1.9	145
33	Evaluating the climate and air quality impacts of short-lived pollutants. Atmospheric Chemistry and Physics, 2015, 15, 10529-10566.	1.9	365
34	A lower and more constrained estimate of climate sensitivity using updated observations and detailed radiative forcing time series. Earth System Dynamics, 2014, 5, 139-175.	2.7	51
35	Forty-seven years of weekly atmospheric black carbon measurements in the Finnish Arctic: Decrease in black carbon with declining emissions. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7667-7683.	1.2	34
36	The AeroCom evaluation and intercomparison of organic aerosol in global models. Atmospheric Chemistry and Physics, 2014, 14, 10845-10895.	1.9	363

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37	Modelled black carbon radiative forcing and atmospheric lifetime in AeroCom Phase II constrained by aircraft observations. Atmospheric Chemistry and Physics, 2014, 14, 12465-12477.	1.9	157
38	An AeroCom assessment of black carbon in Arctic snow and sea ice. Atmospheric Chemistry and Physics, 2014, 14, 2399-2417.	1.9	86
39	Global premature mortality due to anthropogenic outdoor air pollution and the contribution of past climate change. Environmental Research Letters, 2013, 8, 034005.	2.2	381
40	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. Geoscientific Model Development, 2013, 6, 179-206.	1.3	388
41	Preindustrial to present-day changes in tropospheric hydroxyl radical and methane lifetime from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 5277-5298.	1.9	288
42	A 4-D climatology (1979â€“2009) of the monthly tropospheric aerosol optical depth distribution over the Mediterranean region from a comparative evaluation and blending of remote sensing and model products. Atmospheric Measurement Techniques, 2013, 6, 1287-1314.	1.2	131
43	Radiative forcing of the direct aerosol effect from AeroCom Phase II simulations. Atmospheric Chemistry and Physics, 2013, 13, 1853-1877.	1.9	779
44	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 2063-2090.	1.9	570
45	Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 2607-2634.	1.9	125
46	Multi-model mean nitrogen and sulfur deposition from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): evaluation of historical and projected future changes. Atmospheric Chemistry and Physics, 2013, 13, 7997-8018.	1.9	279
47	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.	1.9	361
48	Corrigendum to "Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP)" published in Atmos. Chem. Phys., 13, 2063â€“2090, 2013. Atmospheric Chemistry and Physics, 2013, 13, 5401-5402.	1.9	12
49	Black carbon vertical profiles strongly affect its radiative forcing uncertainty. Atmospheric Chemistry and Physics, 2013, 13, 2423-2434.	1.9	223
50	Radiative forcing in the ACCMIP historical and future climate simulations. Atmospheric Chemistry and Physics, 2013, 13, 2939-2974.	1.9	395
51	Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. Atmospheric Chemistry and Physics, 2013, 13, 4057-4072.	1.9	61
52	Elemental carbon measurements in European Arctic snow packs. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,614.	1.2	38
53	Quality of geological CO2 storage to avoid jeopardizing climate targets. Climatic Change, 2012, 114, 245-260.	1.7	4
54	Global air quality and climate. Chemical Society Reviews, 2012, 41, 6663.	18.7	428

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55	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.	0.6	78
56	Anthropogenic radiative forcing time series from pre-industrial times until 2010. Atmospheric Chemistry and Physics, 2011, 11, 11827-11857.	1.9	137
57	Black carbon in the atmosphere and snow, from pre-industrial times until present. Atmospheric Chemistry and Physics, 2011, 11, 6809-6836.	1.9	104
58	Contributions of individual countriesâ€™ emissions to climate change and their uncertainty. Climatic Change, 2011, 106, 359-391.	1.7	85
59	Global temperature change from the transport sectors: Historical development and future scenarios. Atmospheric Environment, 2009, 43, 6260-6270.	1.9	80
60	Tracking uncertainties in the causal chain from human activities to climate. Geophysical Research Letters, 2009, 36, .	1.5	25
61	Climate forcing from the transport sectors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 454-458.	3.3	269
62	Comparing the climate effect of emissions of short- and long-lived climate agents. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1903-1914.	1.6	164
63	Dynamical processes related to cyclone development near Greenland. Meteorologische Zeitschrift, 2006, 15, 147-156.	0.5	8