

# Johannes Quaas

## List of Publications by Year in descending order

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135  
papers

8,225  
citations

53751

45  
h-index

56687

83  
g-index

233  
all docs

233  
docs citations

233  
times ranked

6710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Processes limiting the emergence of detectable aerosol indirect effects on tropical warm clouds in global aerosol-climate model and satellite data. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 24054.	0.8	19
2	Climate models disagree on the sign of total radiative feedback in the Arctic. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 72, 1696139.	0.8	25
3	Opportunistic experiments to constrain aerosol effective radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 641-674.	1.9	44
4	Satellite Observations of the Impact of Individual Aircraft on Ice Crystal Number in Thin Cirrus Clouds. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
5	The Global Atmosphereâ€œaerosol Model ICONâ€œAâ€œHAM2.3â€œInitial Model Evaluation and Effects of Radiation Balance Tuning on Aerosol Optical Thickness. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	6
6	Better calibration of cloud parameterizations and subgrid effects increases the fidelity of the E3SM Atmosphere Model version 1. <i>Geoscientific Model Development</i> , 2022, 15, 2881-2916.	1.3	17
7	The Impact of CO2-Driven Climate Change on the Arctic Atmospheric Energy Budget in CMIP6 Climate Model Simulations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 74, 106-118.	0.8	2
8	Addressing the difficulties in quantifying droplet number response to aerosol from satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7353-7372.	1.9	9
9	Impact of Holuhraun volcano aerosols on clouds in cloud-system-resolving simulations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8457-8472.	1.9	4
10	Black carbon aerosol reductions during COVID-19 confinement quantified by aircraft measurements over Europe. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8683-8699.	1.9	11
11	Strong Ocean/Seaâ€œIce Contrasts Observed in Satelliteâ€œDerived Ice Crystal Number Concentrations in Arctic Ice Boundaryâ€œLayer Clouds. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
12	Substantial Climate Response outside the Target Area in an Idealized Experiment of Regional Radiation Management. <i>Climate</i> , 2021, 9, 66.	1.2	2
13	An underestimated negative cloud feedback from cloud lifetime changes. <i>Nature Climate Change</i> , 2021, 11, 508-513.	8.1	51
14	Significant underestimation of radiative forcing by aerosolâ€œcloud interactions derived from satellite-based methods. <i>Nature Communications</i> , 2021, 12, 3649.	5.8	29
15	Climate impact of aircraft-induced cirrus assessed from satellite observations before and during COVID-19. <i>Environmental Research Letters</i> , 2021, 16, 064051.	2.2	21
16	Absorbing aerosol decreases cloud cover in cloudâ€œresolving simulations over Germany. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 4083-4100.	1.0	3
17	Life Cycle of Shallow Marine Cumulus Clouds From Geostationary Satellite Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035577.	1.2	3
18	Overview: Fusion of radar polarimetry and numerical atmospheric modelling towards an improved understanding of cloud and precipitation processes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17291-17314.	1.9	18

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19	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000660.	9.0	424
20	Who turns the global thermostat and by how much?. <i>Energy Economics</i> , 2020, 91, 104852.	5.6	10
21	Clouds and Aerosols. , 2020, , 313-328.		24
22	Reducing the aerosol forcing uncertainty using observational constraints on warm rain processes. <i>Science Advances</i> , 2020, 6, eaaz6433.	4.7	33
23	Trends in AOD, Clouds, and Cloud Radiative Effects in Satellite Data and CMIP5 and CMIP6 Model Simulations Over Aerosol Source Regions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087132.	1.5	48
24	A new classification of satellite-derived liquid water cloud regimes at cloud scale. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2407-2418.	1.9	7
25	Detection and attribution of aerosol-cloud interactions in large-domain large-eddy simulations with the ICOSahedral Non-hydrostatic model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5657-5678.	1.9	20
26	The Research Unit VollImpact: Revisiting the volcanic impact on atmosphere and climate“ preparations for the next big volcanic eruption. <i>Meteorologische Zeitschrift</i> , 2020, 29, 3-18.	0.5	20
27	CO2-forced changes of Arctic temperature lapse rates in CMIP5 models. <i>Meteorologische Zeitschrift</i> , 2020, 29, 79-93.	0.5	4
28	The Added Value of Large-eddy and Storm-resolving Models for Simulating Clouds and Precipitation. <i>Journal of the Meteorological Society of Japan</i> , 2020, 98, 395-435.	0.7	93
29	A microphysics guide to cirrus “ Part 2: Climatologies of clouds and humidity from observations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12569-12608.	1.9	80
30	Employing airborne radiation and cloud microphysics observations to improve cloud representation in ICON at kilometer-scale resolution in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13145-13165.	1.9	10
31	Constraining the Twomey effect from satellite observations: issues and perspectives. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15079-15099.	1.9	49
32	Radiative forcing of climate change from the Copernicus reanalysis of atmospheric composition. <i>Earth System Science Data</i> , 2020, 12, 1649-1677.	3.7	22
33	A short guide to increase FAIRness of atmospheric model data. <i>Meteorologische Zeitschrift</i> , 2020, 29, 483-491.	0.5	2
34	Is positive correlation between cloud droplet effective radius and aerosol optical depth over land due to retrieval artifacts or real physical processes?. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8879-8896.	1.9	22
35	Weak average liquid-cloud-water response to anthropogenic aerosols. <i>Nature</i> , 2019, 572, 51-55.	13.7	111
36	Arctic clouds in ECHAM6 and their sensitivity to cloud microphysics and surface fluxes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10571-10589.	1.9	10

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37	The importance of the representation of air pollution emissions for the modeled distribution and radiative effects of black carbon in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11159-11183.	1.9	30
38	Constraining the aerosol influence on cloud liquid water path. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5331-5347.	1.9	104
39	Cloud base height retrieval from multi-angle satellite data. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1841-1860.	1.2	18
40	Separating radiative forcing by aerosol-cloud interactions and rapid cloud adjustments in the ECHAM-HAMMOZ aerosol climate model using the method of partial radiative perturbations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15415-15429.	1.9	16
41	A Methodology for Verifying Cloud Forecasts with VIIRS Imagery and Derived Cloud Products: A WRF Case Study. <i>Atmosphere</i> , 2019, 10, 521.	1.0	2
42	Analysis of polarimetric satellite measurements suggests stronger cooling due to aerosol-cloud interactions. <i>Nature Communications</i> , 2019, 10, 5405.	5.8	55
43	The Arctic Cloud Puzzle: Using A-CLOUD/PASCAL Multiplatform Observations to Unravel the Role of Clouds and Aerosol Particles in Arctic Amplification. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 841-871.	1.7	145
44	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , 2019, 9, 953.	1.6	166
45	Ice crystal number concentration estimates from lidar-radar satellite remote sensing Part 2: Controls on the ice crystal number concentration. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14351-14370.	1.9	34
46	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. <i>Reviews of Geophysics</i> , 2018, 56, 409-453.	9.0	185
47	An automated cirrus classification. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6157-6169.	1.9	5
48	Subgrid-scale variability in clear-sky relative humidity and forcing by aerosol-radiation interactions in an atmosphere model. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8589-8599.	1.9	6
49	A Prospectus for Constraining Rapid Cloud Adjustments in General Circulation Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2080-2094.	1.3	3
50	Ice crystal number concentration estimates from lidar-radar satellite remote sensing Part 1: Method and evaluation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14327-14350.	1.9	61
51	Polarimetric Radar Observations Meet Atmospheric Modelling. , 2018, , .		3
52	Satellite Observations of Precipitating Marine Stratocumulus Show Greater Cloud Fraction for Decoupled Clouds in Comparison to Coupled Clouds. <i>Geophysical Research Letters</i> , 2018, 45, 5126-5134.	1.5	28
53	Opposite Aerosol Index-Cloud Droplet Effective Radius Correlations Over Major Industrial Regions and Their Adjacent Oceans. <i>Geophysical Research Letters</i> , 2018, 45, 5771-5778.	1.5	28
54	Using CALIOP to estimate cloud-field base height and its uncertainty: the Cloud Base Altitude Spatial Extrapolator (CBASE) algorithm and dataset. <i>Earth System Science Data</i> , 2018, 10, 2279-2293.	3.7	28

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55	Assessment of simulated aerosol effective radiative forcings in the terrestrial spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 1001-1007.	1.5	27
56	Are there reasons against open-ended research into solar radiation management? A model of intergenerational decision-making under uncertainty. <i>Journal of Environmental Economics and Management</i> , 2017, 84, 1-17.	2.1	43
57	Constraining the instantaneous aerosol influence on cloud albedo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4899-4904.	3.3	77
58	Black carbon indirect radiative effects in a climate model. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1369342.	0.8	19
59	Effects of diabatic and adiabatic processes on relative humidity in a GCM, and relationship between mid-tropospheric vertical wind and cloud-forming and cloud-dissipating processes. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2017, 69, 1272753.	0.8	0
60	Comment on "Rethinking the Lower Bound on Aerosol Radiative Forcing". <i>Journal of Climate</i> , 2017, 30, 6579-6584.	1.2	22
61	Large-eddy simulations over Germany using ICON: a comprehensive evaluation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 69-100.	1.0	175
62	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
63	A new statistical approach to improve the satellite-based estimation of the radiative forcing by aerosol-cloud interactions. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3687-3698.	1.9	4
64	Implementation of aerosol-cloud interactions in the regional atmosphere-aerosol model COSMO-MUSCAT(5.0) and evaluation using satellite data. <i>Geoscientific Model Development</i> , 2017, 10, 2231-2246.	1.3	10
65	Understanding Causes and Effects of Rapid Warming in the Arctic. <i>Eos</i> , 2017, , .	0.1	76
66	Regional climate engineering by radiation management: Prerequisites and prospects. <i>Earth's Future</i> , 2016, 4, 618-625.	2.4	26
67	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.	3.3	43
68	Constraining the aerosol influence on cloud fraction. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3566-3583.	1.2	129
69	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
70	Regional and seasonal radiative forcing by perturbations to aerosol and ozone precursor emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13885-13910.	1.9	17
71	Frequency of occurrence of rain from liquid, mixed, and ice-phase clouds derived from A-train satellite retrievals. <i>Geophysical Research Letters</i> , 2015, 42, 6502-6509.	1.5	227
72	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

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73	Climate extremes in multi-model simulations of stratospheric aerosol and marine cloud brightening climate engineering. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9593-9610.	1.9	37
74	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	1.9	365
75	Climate responses to anthropogenic emissions of short-lived climate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8201-8216.	1.9	69
76	Analysis of diagnostic climate model cloud parametrizations using large-eddy simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2199-2205.	1.0	6
77	Basic Concepts for Convection Parameterization in Weather Forecast and Climate Models: COST Action ES0905 Final Report. <i>Atmosphere</i> , 2015, 6, 88-147.	1.0	17
78	Approaches to Observe Anthropogenic Aerosol-Cloud Interactions. <i>Current Climate Change Reports</i> , 2015, 1, 297-304.	2.8	35
79	Satellite observations of convection and their implications for parameterizations. <i>Series on the Science of Climate Change</i> , 2015, , 47-58.	0.1	0
80	Pollution trends over Europe constrain global aerosol forcing as simulated by climate models. <i>Geophysical Research Letters</i> , 2014, 41, 2176-2181.	1.5	75
81	Reassessment of satellite-based estimate of aerosol climate forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,394.	1.2	17
82	Evaluation of boundary layer cloud parameterizations in the ECHAM5 general circulation model using CALIPSO and CloudSat satellite data. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 300-314.	1.3	17
83	Global observations of aerosol-cloud-precipitation-climate interactions. <i>Reviews of Geophysics</i> , 2014, 52, 750-808.	9.0	316
84	Assessment of different metrics for physical climate feedbacks. <i>Climate Dynamics</i> , 2013, 41, 1173-1185.	1.7	23
85	The respective roles of surface temperature driven feedbacks and tropospheric adjustment to CO <sub>2</sub> in CMIP5 transient climate simulations. <i>Climate Dynamics</i> , 2013, 41, 3103-3126.	1.7	21
86	Satellite-based analysis of clouds and radiation properties of different vegetation types in the Brazilian Amazon region. , 2013, , .		0
87	Scale Dependency of Total Water Variance and Its Implication for Cloud Parameterizations. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 3615-3630.	0.6	24
88	CHASER: An Innovative Satellite Mission Concept to Measure the Effects of Aerosols on Clouds and Climate. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 685-694.	1.7	15
89	Parameter estimation using data assimilation in an atmospheric general circulation model: From a perfect toward the real world. <i>Journal of Advances in Modeling Earth Systems</i> , 2013, 5, 58-70.	1.3	41
90	Aerosol alteration of Atlantic storms. <i>Nature Geoscience</i> , 2013, 6, 519-519.	5.4	0

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91	Water vapour affects both rain and aerosol optical depth. <i>Nature Geoscience</i> , 2013, 6, 4-5.	5.4	49
92	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
93	Estimates of aerosol radiative forcing from the MACC re-analysis. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2045-2062.	1.9	194
94	Corrigendum to "Aerosol indirect effects from shipping emissions: sensitivity studies with the global aerosol-climate model ECHAM-HAM" published in <i>Atmos. Chem. Phys.</i> , 12, 5985-6007, 2012. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6429-6430.	1.9	9
95	Geographically versus dynamically defined boundary layer cloud regimes and their use to evaluate general circulation model cloud parameterizations. <i>Geophysical Research Letters</i> , 2013, 40, 4951-4956.	1.5	15
96	Evaluating statistical cloud schemes: What can we gain from ground-based remote sensing?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,507.	1.2	12
97	GCM simulations of anthropogenic aerosol-induced changes in aerosol extinction, atmospheric heating and precipitation over India. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2938-2955.	1.2	34
98	Weekly Cycles in Meteorological Variables Over Large-Scales: Fact or Myth?. <i>Springer Atmospheric Sciences</i> , 2013, , 1211-1217.	0.4	0
99	Evaluation of Clouds and Precipitation in the ECHAM5 General Circulation Model Using CALIPSO and CloudSat Satellite Data. <i>Journal of Climate</i> , 2012, 25, 4975-4992.	1.2	55
100	Convection-Climate Feedbacks in the ECHAM5 General Circulation Model: Evaluation of Cirrus Cloud Life Cycles with ISCCP Satellite Data from a Lagrangian Trajectory Perspective. <i>Journal of Climate</i> , 2012, 25, 5241-5259.	1.2	19
101	Correcting orbital drift signal in the time series of AVHRR derived convective cloud fraction using rotated empirical orthogonal function. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 267-273.	1.2	13
102	Aerosol indirect effects from shipping emissions: sensitivity studies with the global aerosol-climate model ECHAM-HAM. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5985-6007.	1.9	32
103	Assessing large-scale weekly cycles in meteorological variables: a review. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5755-5771.	1.9	56
104	Examination of aerosol distributions and radiative effects over the Bay of Bengal and the Arabian Sea region during ICARB using satellite data and a general circulation model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1287-1305.	1.9	17
105	Arctic Clouds and Surface Radiation – a critical comparison of satellite retrievals and the ERA-Interim reanalysis. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6667-6677.	1.9	96
106	The global aerosol-climate model ECHAM-HAM, version 2: sensitivity to improvements in process representations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8911-8949.	1.9	319
107	Evaluating the "critical relative humidity" as a measure of subgrid-scale variability of humidity in general circulation model cloud cover parameterizations using satellite data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	76
108	Incorporating the subgrid-scale variability of clouds in the autoconversion parameterization using a PDF-scheme. <i>Journal of Advances in Modeling Earth Systems</i> , 2012, 4, .	1.3	20

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109	Soot microphysical effects on liquid clouds, a multi-model investigation. Atmospheric Chemistry and Physics, 2011, 11, 1051-1064.	1.9	58
110	Effects of absorbing aerosols in cloudy skies: a satellite study over the Atlantic Ocean. Atmospheric Chemistry and Physics, 2011, 11, 1393-1404.	1.9	49
111	A search for large-scale effects of ship emissions on clouds and radiation in satellite data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	29
112	The soot factor. Nature, 2011, 471, 456-457.	13.7	25
113	Evaluation of the statistical cloud scheme in the ECHAM5 model using satellite data. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 2079-2091.	1.0	15
114	Which of satellite- or model-based estimates is closer to reality for aerosol indirect forcing?. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1099-E1099.	3.3	9
115	On Constraining Estimates of Climate Sensitivity with Present-Day Observations through Model Weighting. Journal of Climate, 2011, 24, 6092-6099.	1.2	130
116	How can aerosols affect the Asian summer monsoon? Assessment during three consecutive pre-monsoon seasons from CALIPSO satellite data. Atmospheric Chemistry and Physics, 2010, 10, 4673-4688.	1.9	127
117	Aerosol nucleation and its role for clouds and Earth's radiative forcing in the aerosol-climate model ECHAM5-HAM. Atmospheric Chemistry and Physics, 2010, 10, 10733-10752.	1.9	190
118	Total aerosol effect: radiative forcing or radiative flux perturbation?. Atmospheric Chemistry and Physics, 2010, 10, 3235-3246.	1.9	184
119	Interpreting the cloud cover – aerosol optical depth relationship found in satellite data using a general circulation model. Atmospheric Chemistry and Physics, 2010, 10, 6129-6135.	1.9	169
120	Smoke and Climate Change. Science, 2009, 325, 153-154.	6.0	4
121	A six year satellite-based assessment of the regional variations in aerosol indirect effects. Atmospheric Chemistry and Physics, 2009, 9, 4091-4114.	1.9	50
122	Exploiting the weekly cycle as observed over Europe to analyse aerosol indirect effects in two climate models. Atmospheric Chemistry and Physics, 2009, 9, 8493-8501.	1.9	34
123	Aerosol indirect effects – general circulation model intercomparison and evaluation with satellite data. Atmospheric Chemistry and Physics, 2009, 9, 8697-8717.	1.9	418
124	Current Understanding and Quantification of Clouds in the Changing Climate System and Strategies for Reducing Critical Uncertainties. , 2009, , 557-574.		22
125	Satellite-based estimate of the direct and indirect aerosol climate forcing. Journal of Geophysical Research, 2008, 113, .	3.3	267
126	Different Approaches for Constraining Global Climate Models of the Anthropogenic Indirect Aerosol Effect. Bulletin of the American Meteorological Society, 2007, 88, 243-250.	1.7	66



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127	Global mean cloud feedbacks in idealized climate change experiments. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	58
128	Model intercomparison of indirect aerosol effects. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 3391-3405.	1.9	205
129	Constraining the total aerosol indirect effect in the LMDZ and ECHAM4 GCMs using MODIS satellite data. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 947-955.	1.9	198
130	Contrasts in the effects on climate of anthropogenic sulfate aerosols between the 20th and the 21st century. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	57
131	Constraining the first aerosol indirect radiative forcing in the LMDZ GCM using POLDER and MODIS satellite data. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	69
132	Impacts of greenhouse gases and aerosol direct and indirect effects on clouds and radiation in atmospheric GCM simulations of the 1930â€“1989 period. <i>Climate Dynamics</i> , 2004, 23, 779-789.	1.7	25
133	Evaluation of cloud thermodynamic phase parametrizations in the LMDZ GCM by using POLDER satellite data. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	31
134	Aerosol indirect effects in POLDER satellite data and the Laboratoire de MÃ©tÃ©orologie Dynamiqueâ€“Zoom (LMDZ) general circulation model. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	94
135	Evaluating aerosol/cloud/radiation process parameterizations with single-column models and Second Aerosol Characterization Experiment (ACE-2) cloudy column observations. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	47