

# Johannes Quaas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/984534/publications.pdf>

Version: 2024-02-01

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	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000660.	9.0	424
2	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
3	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	1.9	365
4	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
5	Global observations of aerosol-cloud-precipitation-climate interactions. <i>Reviews of Geophysics</i> , 2014, 52, 750-808.	9.0	316
6	Satellite-based estimate of the direct and indirect aerosol climate forcing. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	267
7	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
8	Model intercomparison of indirect aerosol effects. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 3391-3405.	1.9	205
9	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
10	Estimates of aerosol radiative forcing from the MACC re-analysis. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2045-2062.	1.9	194
11	Aerosol nucleation and its role for clouds and Earth's radiative forcing in the aerosol-climate model ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10733-10752.	1.9	190
12	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
13	Total aerosol effect: radiative forcing or radiative flux perturbation?. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3235-3246.	1.9	184
14	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
15	Interpreting the cloud cover – aerosol optical depth relationship found in satellite data using a general circulation model. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6129-6135.	1.9	169
16	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , 2019, 9, 953.	1.6	166
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	On Constraining Estimates of Climate Sensitivity with Present-Day Observations through Model Weighting. <i>Journal of Climate</i> , 2011, 24, 6092-6099.	1.2	130
20	Constraining the aerosol influence on cloud fraction. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3566-3583.	1.2	129
21	How can aerosols affect the Asian summer monsoon? Assessment during three consecutive pre-monsoon seasons from CALIPSO satellite data. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4673-4688.	1.9	127
22	Weak average liquid-cloud-water response to anthropogenic aerosols. <i>Nature</i> , 2019, 572, 51-55.	13.7	111
23	Constraining the aerosol influence on cloud liquid water path. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5331-5347.	1.9	104
24	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
25	Aerosol indirect effects in POLDER satellite data and the Laboratoire de Météorologie Dynamique Zoom (LMDZ) general circulation model. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	94
26	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
27	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
28	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
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	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
31	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
32	Understanding Causes and Effects of Rapid Warming in the Arctic. <i>Eos</i> , 2017, , .	0.1	76
33	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
34	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
35	Climate responses to anthropogenic emissions of short-lived climate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8201-8216.	1.9	69
36	Different Approaches for Constraining Global Climate Models of the Anthropogenic Indirect Aerosol Effect. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 243-250.	1.7	66

#	ARTICLE	IF	CITATIONS
37	Ice crystal number concentration estimates from lidarâ€“radar satellite remote sensing â€“ Part 1: Method and evaluation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14327-14350.	1.9	61
38	Global mean cloud feedbacks in idealized climate change experiments. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	58
39	Soot microphysical effects on liquid clouds, a multi-model investigation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1051-1064.	1.9	58
40	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
41	Assessing large-scale weekly cycles in meteorological variables: a review. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5755-5771.	1.9	56
42	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
43	Analysis of polarimetric satellite measurements suggests stronger cooling due to aerosol-cloud interactions. <i>Nature Communications</i> , 2019, 10, 5405.	5.8	55
44	An underestimated negative cloud feedback from cloud lifetime changes. <i>Nature Climate Change</i> , 2021, 11, 508-513.	8.1	51
45	A six year satellite-based assessment of the regional variations in aerosol indirect effects. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4091-4114.	1.9	50
46	Effects of absorbing aerosols in cloudy skies: a satellite study over the Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1393-1404.	1.9	49
47	Water vapour affects both rain and aerosol optical depth. <i>Nature Geoscience</i> , 2013, 6, 4-5.	5.4	49
48	Constraining the Twomey effect from satellite observations: issues and perspectives. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15079-15099.	1.9	49
49	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
50	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
51	Opportunistic experiments to constrain aerosol effective radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 641-674.	1.9	44
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Approaches to Observe Anthropogenic Aerosol-Cloud Interactions. <i>Current Climate Change Reports</i> , 2015, 1, 297-304.	2.8	35
57	Exploiting the weekly cycle as observed over Europe to analyse aerosol indirect effects in two climate models. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8493-8501.	1.9	34
58	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
59	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
60	Reducing the aerosol forcing uncertainty using observational constraints on warm rain processes. <i>Science Advances</i> , 2020, 6, eaaz6433.	4.7	33
61	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
62	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
63	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
64	A search for large-scale effects of ship emissions on clouds and radiation in satellite data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	29
65	Significant underestimation of radiative forcing by aerosol-cloud interactions derived from satellite-based methods. <i>Nature Communications</i> , 2021, 12, 3649.	5.8	29
66	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
67	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
68	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
69	Assessment of simulated aerosol effective radiative forcings in the terrestrial spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 1001-1007.	1.5	27
70	Regional climate engineering by radiation management: Prerequisites and prospects. <i>Earth's Future</i> , 2016, 4, 618-625.	2.4	26
71	Impacts of greenhouse gases and aerosol direct and indirect effects on clouds and radiation in atmospheric GCM simulations of the 1930-1989 period. <i>Climate Dynamics</i> , 2004, 23, 779-789.	1.7	25
72	The soot factor. <i>Nature</i> , 2011, 471, 456-457.	13.7	25

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Clouds and Aerosols. , 2020, , 313-328.		24
76	Assessment of different metrics for physical climate feedbacks. <i>Climate Dynamics</i> , 2013, 41, 1173-1185.	1.7	23
77	Comment on "Rethinking the Lower Bound on Aerosol Radiative Forcing". <i>Journal of Climate</i> , 2017, 30, 6579-6584.	1.2	22
78	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
79	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
80	Current Understanding and Quantification of Clouds in the Changing Climate System and Strategies for Reducing Critical Uncertainties. , 2009, , 557-574.		22
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	Black carbon indirect radiative effects in a climate model. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1369342.	0.8	19
89	Cloud base height retrieval from multi-angle satellite data. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1841-1860.	1.2	18
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	Reassessment of satellite-based estimate of aerosol climate forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,394.	1.2	17
93	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
94	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
95	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
96	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
97	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
98	Separating radiative forcing by aerosol-cloud interactions and rapid cloud adjustments in the ECHAM5-HAMMOZ aerosol-climate model using the method of partial radiative perturbations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15415-15429.	1.9	16
99	Evaluation of the statistical cloud scheme in the ECHAM5 model using satellite data. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 2079-2091.	1.0	15
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	Who turns the global thermostat and by how much?. <i>Energy Economics</i> , 2020, 91, 104852.	5.6	10
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	Corrigendum to &quot;Aerosol indirect effects from shipping emissions: sensitivity studies with the global aerosol-climate model ECHAM-HAM&quot; published in Atmos. Chem. Phys., 12, 5985&#x2013;6007, 2012. Atmospheric Chemistry and Physics, 2013, 13, 6429-6430.	1.9	9
111	Addressing the difficulties in quantifying droplet number response to aerosol from satellite observations. Atmospheric Chemistry and Physics, 2022, 22, 7353-7372.	1.9	9
112	A new classification of satellite-derived liquid water cloud regimes at cloud scale. Atmospheric Chemistry and Physics, 2020, 20, 2407-2418.	1.9	7
113	Analysis of diagnostic climate model cloud parametrizations using large&#x2013;eddy simulations. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2199-2205.	1.0	6
114	Subgrid-scale variability in clear-sky relative humidity and forcing by aerosol&#x2013;radiation interactions in an atmosphere model. Atmospheric Chemistry and Physics, 2018, 18, 8589-8599.	1.9	6
115	The Global Atmosphere&#x2013;aerosol Model ICON&#x2013;ECHAM2.3&#x2013;Initial Model Evaluation and Effects of Radiation Balance Tuning on Aerosol Optical Thickness. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	6
116	An automated cirrus classification. Atmospheric Chemistry and Physics, 2018, 18, 6157-6169.	1.9	5
117	Smoke and Climate Change. Science, 2009, 325, 153-154.	6.0	4
118	A new statistical approach to improve the satellite-based estimation of the radiative forcing by aerosol&#x2013;cloud interactions. Atmospheric Chemistry and Physics, 2017, 17, 3687-3698.	1.9	4
119	CO2-forced changes of Arctic temperature lapse rates in CMIP5 models. Meteorologische Zeitschrift, 2020, 29, 79-93.	0.5	4
120	Satellite Observations of the Impact of Individual Aircraft on Ice Crystal Number in Thin Cirrus Clouds. Geophysical Research Letters, 2022, 49, .	1.5	4
121	Impact of Holuhraun volcano aerosols on clouds in cloud-system-resolving simulations. Atmospheric Chemistry and Physics, 2022, 22, 8457-8472.	1.9	4
122	A Prospectus for Constraining Rapid Cloud Adjustments in General Circulation Models. Journal of Advances in Modeling Earth Systems, 2018, 10, 2080-2094.	1.3	3
123	Polarimetric Radar Observations Meet Atmospheric Modelling. , 2018, , .		3
124	Absorbing aerosol decreases cloud cover in cloud&#x2013;resolving simulations over Germany. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 4083-4100.	1.0	3
125	Life Cycle of Shallow Marine Cumulus Clouds From Geostationary Satellite Observations. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035577.	1.2	3
126	Strong Ocean/Sea&#x2013;Ice Contrasts Observed in Satellite&#x2013;Derived Ice Crystal Number Concentrations in Arctic Ice Boundary&#x2013;Layer Clouds. Geophysical Research Letters, 2022, 49, .	1.5	3



#	ARTICLE	IF	CITATIONS
127	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
128	Substantial Climate Response outside the Target Area in an Idealized Experiment of Regional Radiation Management. <i>Climate</i> , 2021, 9, 66.	1.2	2
129	A short guide to increase FAIRness of atmospheric model data. <i>Meteorologische Zeitschrift</i> , 2020, 29, 483-491.	0.5	2
130	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
131	Satellite-based analysis of clouds and radiation properties of different vegetation types in the Brazilian Amazon region. , 2013, , .		0
132	Aerosol alteration of Atlantic storms. <i>Nature Geoscience</i> , 2013, 6, 519-519.	5.4	0
133	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, 1272-1283.	0.8	0
134	Weekly Cycles in Meteorological Variables Over Large-Scales: Fact or Myth?. <i>Springer Atmospheric Sciences</i> , 2013, , 1211-1217.	0.4	0
135	Satellite observations of convection and their implications for parameterizations. <i>Series on the Science of Climate Change</i> , 2015, , 47-58.	0.1	0