Yun Qian

List of Publications by Year
in descending order

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132 papers	10,742 citations	29994 54 h-index	34900 98 g-index
137 all docs	137 docs citations	137 times ranked	8975 citing authors

#	Article	IF	Citations
1	Aerosol and monsoon climate interactions over Asia. Reviews of Geophysics, 2016, 54, 866-929.	9.0	591
2	Recent Third Poleâ€™s Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. Bulletin of the American Meteorological Society, 2019, 100, 423-444.	1.7	590
3	The DOE E3SM Coupled Model Version 1: Overview and Evaluation at Standard Resolution. Journal of Advances in Modeling Earth Systems, 2019, 11, 2089-2129.	1.3	404
4	The Art and Science of Climate Model Tuning. Bulletin of the American Meteorological Society, 2017, 98, 589-602.	1.7	343
5	Sensitivity studies on the impacts of Tibetan Plateau snowpack pollution on the Asian hydrological cycle and monsoon climate. Atmospheric Chemistry and Physics, 2011, 11, 1929-1948.	1.9	285
6	Linking atmospheric pollution to cryospheric change in the Third Pole region: current progress and future prospects. National Science Review, 2019, 6, 796-809.	4.6	271
7	Heavy pollution suppresses light rain in China: Observations and modeling. Journal of Geophysical Research, 2009, 114, .	3.3	255
8	More frequent cloud-free sky and less surface solar radiation in China from 1955 to 2000. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	249
9	Responses of East Asian summer monsoon to natural and anthropogenic forcings in the 17 latest CMIP5 models. Geophysical Research Letters, 2014, 41, 596-603.	1.5	249
10	Atmospheric rivers induced heavy precipitation and flooding in the western U.S. simulated by the WRF regional climate model. Geophysical Research Letters, 2009, 36, .	1.5	248
11	Light-absorbing particles in snow and ice: Measurement and modeling of climatic and hydrological impact. Advances in Atmospheric Sciences, 2015, 32, 64-91.	1.9	223
12	Atmospheric River Tracking Method Intercomparison Project (ARTMIP): project goals and experimental design. Geoscientific Model Development, 2018, 11, 2455-2474.	1.3	221
13	East Asian Study of Tropospheric Aerosols and their Impact on Regional Clouds, Precipitation, and Climate (EASTâ€AIR_{CPC}). Journal of Geophysical Research D: Atmospheres, 2019, 124, 13026-13054.	1.2	175
14	Variability of solar radiation under cloud-free skies in China: The role of aerosols. Geophysical Research Letters, 2007, 34, .	1.5	172
15	Sensitivity of remote aerosol distributions to representation of cloudâ€“aerosol interactions in a global climate model. Geoscientific Model Development, 2013, 6, 765-782.	1.3	169
16	An Overview of the Atmospheric Component of the Energy Exascale Earth System Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 2377-2411.	1.3	168
17	Contribution of urbanization to the increase of extreme heat events in an urban agglomeration in east China. Geophysical Research Letters, 2017, 44, 6940-6950.	1.5	161
18	Dynamical and thermodynamical modulations on future changes of landfalling atmospheric rivers over western North America. Geophysical Research Letters, 2015, 42, 7179-7186.	1.5	153

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19	Aerosol impacts on clouds and precipitation in eastern China: Results from bin and bulk microphysics. Journal of Geophysical Research, 2012, 117, .	3.3	152
20	Aerosol indirect effects in a multi-scale aerosol-climate model PNNL-MMF. Atmospheric Chemistry and Physics, 2011, 11, 5431-5455.	1.9	143
21	Regional climate effects of aerosols over China: modeling and observation. Tellus, Series B: Chemical and Physical Meteorology, 2003, 55, 914-934.	0.8	140
22	A Modeling Study of Irrigation Effects on Surface Fluxes and Landâ€“Airâ€“Cloud Interactions in the Southern Great Plains. Journal of Hydrometeorology, 2013, 14, 700-721.	0.7	139
23	A review of black carbon in snow and ice and its impact on the cryosphere. Earth-Science Reviews, 2020, 210, 103346.	4.0	139
24	Modeling the transport and radiative forcing of Taklimakan dust over the Tibetan Plateau: A case study in the summer of 2006. Journal of Geophysical Research D: Atmospheres, 2013, 118, 797-812.	1.2	136
25	The Sensitivity of Precipitation and Snowpack Simulations to Model Resolution via Nesting in Regions of Complex Terrain. Journal of Hydrometeorology, 2003, 4, 1025-1043.	0.7	133
26	Urbanization-induced urban heat island and aerosol effects on climate extremes in the Yangtze River Delta region of China. Atmospheric Chemistry and Physics, 2017, 17, 5439-5457.	1.9	133
27	Uncertainty in modeling dust mass balance and radiative forcing from size parameterization. Atmospheric Chemistry and Physics, 2013, 13, 10733-10753.	1.9	128
28	Effects of sootâ€induced snow albedo change on snowpack and hydrological cycle in western United States based on Weather Research and Forecasting chemistry and regional climate simulations. Journal of Geophysical Research, 2009, 114, .	3.3	126
29	The Atmospheric River Tracking Method Intercomparison Project (ARTMIP): Quantifying Uncertainties in Atmospheric River Climatology. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13777-13802.	1.2	126
30	Regional climate model projections for the State of Washington. Climatic Change, 2010, 102, 51-75.	1.7	118
31	Some issues in uncertainty quantification and parameter tuning: a case study of convective parameterization scheme in the WRF regional climate model. Atmospheric Chemistry and Physics, 2012, 12, 2409-2427.	1.9	118
32	Constraining cloud lifetime effects of aerosols using Aâ€Train satellite observations. Geophysical Research Letters, 2012, 39, .	1.5	117
33	Simulating black carbon and dust and their radiative forcing in seasonal snow: a case study over North China with field campaign measurements. Atmospheric Chemistry and Physics, 2014, 14, 11475-11491.	1.9	115
34	Uncertainty quantification and parameter tuning in the CAM5 Zhangâ€McFarlane convection scheme and impact of improved convection on the global circulation and climate. Journal of Geophysical Research D: Atmospheres, 2013, 118, 395-415.	1.2	112
35	The DOE E3SM Coupled Model Version 1: Description and Results at High Resolution. Journal of Advances in Modeling Earth Systems, 2019, 11, 4095-4146.	1.3	112
36	Understanding Cloud and Convective Characteristics in Version 1 of the E3SM Atmosphere Model. Journal of Advances in Modeling Earth Systems, 2018, 10, 2618-2644.	1.3	105

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37	Weekly cycle of aerosolâ€meteorology interaction over China. Journal of Geophysical Research, 2007, 112, .	3.3	101
38	Dust dominates high-altitude snow darkening and melt over high-mountain Asia. Nature Climate Change, 2020, 10, 1045-1051.	8.1	101
39	Urbanization Impact on Regional Climate and Extreme Weather: Current Understanding, Uncertainties, and Future Research Directions. Advances in Atmospheric Sciences, 2022, 39, 819-860.	1.9	94
40	Interactive coupling of regional climate and sulfate aerosol models over eastern Asia. Journal of Geophysical Research, 1999, 104, 6477-6499.	3.3	93
41	A case study of urbanization impact on summer precipitation in the Greater Beijing Metropolitan Area: Urban heat island versus aerosol effects. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,903-10,914.	1.2	92
42	The Ongoing Need for High-Resolution Regional Climate Models: Process Understanding and Stakeholder Information. Bulletin of the American Meteorological Society, 2020, 101, E664-E683.	1.7	90
43	The multi-scale aerosol-climate model PNNL-MMF: model description and evaluation. Geoscientific Model Development, 2011, 4, 137-168.	1.3	88
44	Black carbon-induced snow albedo reduction over the Tibetan Plateau: uncertainties from snow grain shape and aerosolâ€“snow mixing state based on an updated SNICAR model. Atmospheric Chemistry and Physics, 2018, 18, 11507-11527.	1.9	85
45	Evaluation of cloud fraction and its radiative effect simulated by IPCC AR4 global models against ARM surface observations. Atmospheric Chemistry and Physics, 2012, 12, 1785-1810.	1.9	80
46	Parametric sensitivity analysis of precipitation at global and local scales in the Community Atmosphere Model CAM5. Journal of Advances in Modeling Earth Systems, 2015, 7, 382-411.	1.3	80
47	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. Journal of Climate, 2017, 30, 1381-1396.	1.2	80
48	Simulation of urban climate with high-resolution WRF model: A case study in Nanjing, China. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 227-241.	1.3	77
49	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. Tellus, Series B: Chemical and Physical Meteorology, 2001, 53, 171-191.	0.8	71
50	Aerosols in the E3SM Version 1: New Developments and Their Impacts on Radiative Forcing. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001851.	1.3	68
51	A sensitivity study on modeling black carbon in snow and its radiative forcing over the Arctic and Northern China. Environmental Research Letters, 2014, 9, 064001.	2.2	67
52	A sensitivity study of radiative fluxes at the top of atmosphere to cloud-microphysics and aerosol parameters in the community atmosphere model CAM5. Atmospheric Chemistry and Physics, 2013, 13, 10969-10987.	1.9	65
53	An investigation of the sub-grid variability of trace gases and aerosols for global climate modeling. Atmospheric Chemistry and Physics, 2010, 10, 6917-6946.	1.9	62
54	Trans-Pacific transport and evolution of aerosols: evaluation of quasi-global WRF-Chem simulation with multiple observations. Geoscientific Model Development, 2016, 9, 1725-1746.	1.3	62

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55	CAUSES: Attribution of Surface Radiation Biases in NWP and Climate Models near the U.S. Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3612-3644.	1.2	62
56	An overview of mineral dust modeling over East Asia. Journal of Meteorological Research, 2017, 31, 633-653.	0.9	61
57	CAUSES: On the Role of Surface Energy Budget Errors to the Warm Surface Air Temperature Error Over the Central United States. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2888-2909.	1.2	60
58	Modeling the Impacts of Urbanization on Summer Thermal Comfort: The Role of Urban Land Use and Anthropogenic Heat. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6681-6697.	1.2	58
59	Parameter Tuning and Calibration of RegCM3 with MITâ€“Emanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. Journal of Climate, 2014, 27, 7687-7701.	1.2	56
60	Sensitivity of Turbine-Height Wind Speeds to Parameters in Planetary Boundary-Layer and Surface-Layer Schemes in the Weather Research and Forecasting Model. Boundary-Layer Meteorology, 2017, 162, 117-142.	1.2	56
61	Evaluation of Clouds in Version 1 of the E3SM Atmosphere Model With Satellite Simulators. Journal of Advances in Modeling Earth Systems, 2019, 11, 1253-1268.	1.3	55
62	Introduction to CAUSES: Description of Weather and Climate Models and Their Nearâ€Surface Temperature Errors in 5Âday Hindcasts Near the Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2655-2683.	1.2	53
63	Parametric Sensitivity and Uncertainty Quantification in the Version 1 of E3SM Atmosphere Model Based on Short Perturbed Parameter Ensemble Simulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,046.	1.2	53
64	A sensitivity analysis of cloud properties to CLUBB parameters in the singleâ€column Community Atmosphere Model (SCAM5). Journal of Advances in Modeling Earth Systems, 2014, 6, 829-858.	1.3	51
65	Seasonal variation and light absorption property of carbonaceous aerosol in a typical glacier region of the southeastern Tibetan Plateau. Atmospheric Chemistry and Physics, 2018, 18, 6441-6460.	1.9	51
66	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. Tellus, Series B: Chemical and Physical Meteorology, 2022, 53, 171.	0.8	50
67	Short ensembles: an efficient method for discerning climate-relevant sensitivities in atmospheric general circulation models. Geoscientific Model Development, 2014, 7, 1961-1977.	1.3	49
68	Uncertainty Quantification in Climate Modeling and Projection. Bulletin of the American Meteorological Society, 2016, 97, 821-824.	1.7	49
69	Regionally refined test bed in E3SM atmosphere model version 1 (EAMv1) and applications for high-resolution modeling. Geoscientific Model Development, 2019, 12, 2679-2706.	1.3	49
70	Black Carbon Amplifies Haze Over the North China Plain by Weakening the East Asian Winter Monsoon. Geophysical Research Letters, 2019, 46, 452-460.	1.5	49
71	The dynamic and thermodynamic processes dominating the reduction of global land monsoon precipitation driven by anthropogenic aerosols emission. Science China Earth Sciences, 2020, 63, 919-933.	2.3	49
72	Recent intensification of winter haze in China linked to foreign emissions and meteorology. Scientific Reports, 2018, 8, 2107.	1.6	48

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73	Impact of light-absorbing particles on snow albedo darkening and associated radiative forcing over high-mountain Asia: high-resolution WRF-Chem modeling and new satellite observations. Atmospheric Chemistry and Physics, 2019, 19, 7105-7128.	1.9	46
74	The Low-Level Jet over the Southern Great Plains Determined from Observations and Reanalyses and Its Impact on Moisture Transport. Journal of Climate, 2015, 28, 6682-6706.	1.2	45
75	Climatic effects of irrigation over the Huangâ€Huaiâ€Hai Plain in China simulated by the weather research and forecasting model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2246-2264.	1.2	40
76	Modeling the contributions of Northern Hemisphere dust sources to dust outflow from East Asia. Atmospheric Environment, 2019, 202, 234-243.	1.9	39
77	Urbanization Effect on Winter Haze in the Yangtze River Delta Region of China. Geophysical Research Letters, 2018, 45, 6710-6718.	1.5	37
78	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. Geoscientific Model Development, 2016, 9, 1959-1976.	1.3	34
79	Irrigation Impact on Water and Energy Cycle During Dry Years Over the United States Using Convectionâ€Permitting WRF and a Dynamical Recycling Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11220-11241.	1.2	34
80	Downscaling aerosols and the impact of neglected subgrid processes on direct aerosol radiative forcing for a representative global climate model grid spacing. Journal of Geophysical Research, 2011, 116, .	3.3	33
81	Impact of numerical choices on water conservation in the E3SM Atmosphere Model version 1 (EAMv1). Geoscientific Model Development, 2018, 11, 1971-1988.	1.3	33
82	Parametric behaviors of <scp>CLUBB</scp> in simulations of low clouds in the <scp>C</scp>ommunity <scp>A</scp>tmosphere <scp>M</scp>odel (<scp>CAM</scp>). Journal of Advances in Modeling Earth Systems, 2015, 7, 1005-1025.	1.3	32
83	Aerosol and Urban Land Use Effect on Rainfall Around Cities in Indoâ€Gangetic Basin From Observations and Cloud Resolving Model Simulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3645-3667.	1.2	32
84	Identifying Key Drivers of Wildfires in the Contiguous US Using Machine Learning and Game Theory Interpretation. Earth's Future, 2021, 9, e2020EF001910.	2.4	31
85	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. Geoscientific Model Development, 2021, 14, 4465-4494.	1.3	31
86	Using CESM-RESFire to understand climateâ€“fireâ€“ecosystem interactions and the implications for decadal climate variability. Atmospheric Chemistry and Physics, 2020, 20, 995-1020.	1.9	31
87	Urbanization Amplifies Nighttime Heat Stress on Warmer Days Over the US. Geophysical Research Letters, 2021, 48, .	1.5	29
88	Trans-Pacific transport and evolution of aerosols: spatiotemporal characteristics and source contributions. Atmospheric Chemistry and Physics, 2019, 19, 12709-12730.	1.9	27
89	Parametric sensitivity and calibration for the Kainâ€Fritsch convective parameterization scheme in the WRF model. Climate Research, 2014, 59, 135-147.	0.4	26
90	Parametric Sensitivity Analysis for the Asian Summer Monsoon Precipitation Simulation in the Beijing Climate Center AGCM, Version 2.1. Journal of Climate, 2015, 28, 5622-5644.	1.2	26

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91	Can nudging be used to quantify model sensitivities in precipitation and cloud forcing?. Journal of Advances in Modeling Earth Systems, 2016, 8, 1073-1091.	1.3	26
92	Better monsoon precipitation in coupled climate models due to bias compensation. Npj Climate and Atmospheric Science, 2019, 2, .	2.6	26
93	Emergence of seasonal delay of tropical rainfall during 1979â€“2019. Nature Climate Change, 2021, 11, 605-612.	8.1	25
94	Observed holiday aerosol reduction and temperature cooling over East Asia. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6306-6324.	1.2	24
95	Neglecting irrigation contributes to the simulated summertime warm-and-dry bias in the central United States. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	24
96	Parametric and Structural Sensitivities of Turbineâ€Height Wind Speeds in the Boundary Layer Parameterizations in the Weather Research and Forecasting Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5951-5969.	1.2	23
97	Downscaling hydroclimatic changes over the Western US based on CAM subgrid scheme and WRF regional climate simulations. International Journal of Climatology, 2010, 30, 675-693.	1.5	22
98	A new approach to modeling aerosol effects on East Asian climate: Parametric uncertainties associated with emissions, cloud microphysics, and their interactions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8905-8924.	1.2	20
99	Quantifying the impact of sub-grid surface wind variability on sea salt and dust emissions in CAM5. Geoscientific Model Development, 2016, 9, 607-632.	1.3	19
100	Sensitivity of Turbine-Height Wind Speeds to Parameters in the Planetary Boundary-Layer Parametrization Used in the Weather Research and Forecasting Model: Extension to Wintertime Conditions. Boundary-Layer Meteorology, 2019, 170, 507-518.	1.2	19
101	Meteorological Environments Associated With California Wildfires and Their Potential Roles in Wildfire Changes During 1984â€“2017. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033180.	1.2	19
102	Better calibration of cloud parameterizations and subgrid effects increases the fidelity of the E3SM Atmosphere Model version 1. Geoscientific Model Development, 2022, 15, 2881-2916.	1.3	17
103	Simulated precipitation diurnal cycles over East Asia using different CAPE-based convective closure schemes in WRF model. Climate Dynamics, 2018, 50, 1639-1658.	1.7	16
104	Effective radiative forcing of anthropogenic aerosols in E3SM version 1: historical changes, causality, decomposition, and parameterization sensitivities. Atmospheric Chemistry and Physics, 2022, 22, 9129-9160.	1.9	16
105	Lowâ€Cloud Feedback in CAM5â€CLUBB: Physical Mechanisms and Parameter Sensitivity Analysis. Journal of Advances in Modeling Earth Systems, 2018, 10, 2844-2864.	1.3	15
106	A high-resolution unified observational data product of mesoscale convective systems and isolated deep convection in the United States for 2004â€“2017. Earth System Science Data, 2021, 13, 827-856.	3.7	15
107	Impacts of Lake Surface Temperature on the Summer Climate Over the Great Lakes Region. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	15
108	Impacts of aerosols on seasonal precipitation and snowpack in California based on convection-permitting WRF-Chem simulations. Atmospheric Chemistry and Physics, 2018, 18, 5529-5547.	1.9	14

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109	Land Use and Land Cover Change Strongly Modulates Landâ€Atmosphere Coupling and Warmâ€Season Precipitation Over the Central United States in CESM2â€VR. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001925.	1.3	11
110	Snow Albedo Feedbacks Enhance Snow Impurityâ€Induced Radiative Forcing in the Sierra Nevada. Geophysical Research Letters, 2022, 49, .	1.5	11
111	Linking Deep and Shallow Convective Mass Fluxes via an Assumed Entrainment Distribution in CAM5â€CLUBB: Parameterization and Simulated Precipitation Variability. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002357.	1.3	10
112	Simulated Precipitation Diurnal Variation With a Deep Convective Closure Subject to Shallow Convection in Community Atmosphere Model Version 5 Coupled With CLUBB. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002050.	1.3	9
113	Impact of Lateral Flow on Surface Water and Energy Budgets Over the Southern Great Plainsâ€”A Modeling Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033659.	1.2	8
114	Multiple Metrics Informed Projections of Future Precipitation in China. Geophysical Research Letters, 2021, 48, e2021GL093810.	1.5	8
115	Understanding irrigation impacts on low-level jets over the Great Plains. Climate Dynamics, 2020, 55, 925-943.	1.7	7
116	Summer Mean and Extreme Precipitation Over the Midâ€Atlantic Region: Climatological Characteristics and Contributions From Different Precipitation Types. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035045.	1.2	7
117	Understanding Monsoonal Water Cycle Changes in a Warmer Climate in E3SMv1 Using a Normalized Gross Moist Stability Framework. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10826-10843.	1.2	6
118	Time Evolution and Diurnal Variability of the Parametric Sensitivity of Turbineâ€Height Winds in the MYNNâ€EDMF Parameterization. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034000.	1.2	6
119	Sensitivity of solar irradiance to model parameters in cloud and aerosol treatments of WRF-solar. Solar Energy, 2022, 233, 446-460.	2.9	6
120	Impacts of Largeâ€Scale Urbanization and Irrigation on Summer Precipitation in the Midâ€Atlantic Region of the United States. Geophysical Research Letters, 2022, 49, .	1.5	6
121	Tropical African wildfire aerosols trigger teleconnections over mid-to-high latitudes of Northern Hemisphere in January. Environmental Research Letters, 2021, 16, 034025.	2.2	5
122	Quantifying physical parameterization uncertainties associated with land-atmosphere interactions in the WRF model over Amazon. Atmospheric Research, 2021, 262, 105761.	1.8	5
123	Grand Challenges of Hydrologic Modeling for Food-Energy-Water Nexus Security in High Mountain Asia. Frontiers in Water, 2021, 3, .	1.0	5
124	Local-thermal-gradient and large-scale-circulation impacts on turbine-height wind speed forecasting over the Columbia River Basin. Wind Energy Science, 2022, 7, 37-51.	1.2	5
125	Quantification of marine aerosol subgrid variability and its correlation with clouds based on highâ€resolution regional modeling. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6329-6346.	1.2	4
126	Parameterizing Convective Organization Effects With a Moistureâ€PDF Approach in Climate Models: Concept and a Regional Case Simulation. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	4

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127	Characterizing the Impact of Atmospheric Rivers on Aerosols in the Western U.S.. Geophysical Research Letters, 2022, 49, .	1.5	3
128	Anomalous holiday precipitation over southern China. Atmospheric Chemistry and Physics, 2018, 18, 16775-16791.	1.9	2
129	Evidence for Coupling Between the Subseasonal Oscillations in the Southern Hemisphere Midlatitude Ocean and Atmosphere. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033872.	1.2	2
130	Quantifying the local and remote impacts of s<scp>ubâ€grid</scp> physical processes on the Southeast Pacific sea surface fluxes in the Community Atmosphere Model version 5 by a l<scp>imitedâ€area</scp> p<scp>arameter perturbation</scp> approach. International Journal of Climatology, 2022, 42, 1369-1387.	1.5	2
131	Development and Evaluation of an Explicit Treatment of Aerosol Processes at Cloud Scale Within a Multiâ€Scale Modeling Framework (MMF). Journal of Advances in Modeling Earth Systems, 2018, 10, 1663-1679.	1.3	1
132	A Strong Anthropogenic Black Carbon Forcing Constrained by Pollution Trends over China. Geophysical Research Letters, 0, , .	1.5	1