

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	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 171.	0.8	50
2	Quantifying the local and remote impacts of sub-grid physical processes on the Southeast Pacific sea surface fluxes in the Community Atmosphere Model version 5 by a limited-area parameter perturbation approach. <i>International Journal of Climatology</i> , 2022, 42, 1369-1387.	1.5	2
3	Urbanization Impact on Regional Climate and Extreme Weather: Current Understanding, Uncertainties, and Future Research Directions. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 819-860.	1.9	94
4	Local-thermal-gradient and large-scale-circulation impacts on turbine-height wind speed forecasting over the Columbia River Basin. <i>Wind Energy Science</i> , 2022, 7, 37-51.	1.2	5
5	Sensitivity of solar irradiance to model parameters in cloud and aerosol treatments of WRF-solar. <i>Solar Energy</i> , 2022, 233, 446-460.	2.9	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	Characterizing the Impact of Atmospheric Rivers on Aerosols in the Western U.S.. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
8	Impacts of Large-Scale Urbanization and Irrigation on Summer Precipitation in the Mid-Atlantic Region of the United States. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
9	Parameterizing Convective Organization Effects With a Moisture-PDF Approach in Climate Models: Concept and a Regional Case Simulation. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	4
10	Snow Albedo Feedbacks Enhance Snow Impurity-Induced Radiative Forcing in the Sierra Nevada. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
11	Impacts of Lake Surface Temperature on the Summer Climate Over the Great Lakes Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	15
12	Effective radiative forcing of anthropogenic aerosols in E3SM version 1: historical changes, causality, decomposition, and parameterization sensitivities. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 9129-9160.	1.9	16
13	Tropical African wildfire aerosols trigger teleconnections over mid-to-high latitudes of Northern Hemisphere in January. <i>Environmental Research Letters</i> , 2021, 16, 034025.	2.2	5
14	Evidence for Coupling Between the Subseasonal Oscillations in the Southern Hemisphere Midlatitude Ocean and Atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033872.	1.2	2
15	Meteorological Environments Associated With California Wildfires and Their Potential Roles in Wildfire Changes During 1984-2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033180.	1.2	19
16	A high-resolution unified observational data product of mesoscale convective systems and isolated deep convection in the United States for 2004-2017. <i>Earth System Science Data</i> , 2021, 13, 827-856.	3.7	15
17	Linking Deep and Shallow Convective Mass Fluxes via an Assumed Entrainment Distribution in CAM5-CLUBB: Parameterization and Simulated Precipitation Variability. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002357.	1.3	10
18	Emergence of seasonal delay of tropical rainfall during 1979-2019. <i>Nature Climate Change</i> , 2021, 11, 605-612.	8.1	25

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19	Impact of Lateral Flow on Surface Water and Energy Budgets Over the Southern Great Plainsâ€”A Modeling Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033659.	1.2	8
20	Identifying Key Drivers of Wildfires in the Contiguous US Using Machine Learning and Game Theory Interpretation. <i>Earth's Future</i> , 2021, 9, e2020EF001910.	2.4	31
21	Time Evolution and Diurnal Variability of the Parametric Sensitivity of Turbineâ€”Height Winds in the MYNNâ€”EDMF Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034000.	1.2	6
22	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021, 14, 4465-4494.	1.3	31
23	Summer Mean and Extreme Precipitation Over the Midâ€”Atlantic Region: Climatological Characteristics and Contributions From Different Precipitation Types. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035045.	1.2	7
24	Multiple Metrics Informed Projections of Future Precipitation in China. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093810.	1.5	8
25	Quantifying physical parameterization uncertainties associated with land-atmosphere interactions in the WRF model over Amazon. <i>Atmospheric Research</i> , 2021, 262, 105761.	1.8	5
26	Grand Challenges of Hydrologic Modeling for Food-Energy-Water Nexus Security in High Mountain Asia. <i>Frontiers in Water</i> , 2021, 3, .	1.0	5
27	Urbanization Amplifies Nighttime Heat Stress on Warmer Days Over the US. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	29
28	Aerosols in the E3SM Version 1: New Developments and Their Impacts on Radiative Forcing. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001851.	1.3	68
29	Land Use and Land Cover Change Strongly Modulates Landâ€”Atmosphere Coupling and Warmâ€”Season Precipitation Over the Central United States in CESM2â€”VR. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001925.	1.3	11
30	A review of black carbon in snow and ice and its impact on the cryosphere. <i>Earth-Science Reviews</i> , 2020, 210, 103346.	4.0	139
31	Neglecting irrigation contributes to the simulated summertime warm-and-dry bias in the central United States. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	2.6	24
32	Simulated Precipitation Diurnal Variation With a Deep Convective Closure Subject to Shallow Convection in Community Atmosphere Model Version 5 Coupled With CLUBB. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002050.	1.3	9
33	The dynamic and thermodynamic processes dominating the reduction of global land monsoon precipitation driven by anthropogenic aerosols emission. <i>Science China Earth Sciences</i> , 2020, 63, 919-933.	2.3	49
34	Understanding irrigation impacts on low-level jets over the Great Plains. <i>Climate Dynamics</i> , 2020, 55, 925-943.	1.7	7
35	The Ongoing Need for High-Resolution Regional Climate Models: Process Understanding and Stakeholder Information. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E664-E683.	1.7	90
36	Dust dominates high-altitude snow darkening and melt over high-mountain Asia. <i>Nature Climate Change</i> , 2020, 10, 1045-1051.	8.1	101

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37	Using CESM-RESFire to understand climate–fire ecosystem interactions and the implications for decadal climate variability. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 995-1020.	1.9	31
38	Regionally refined test bed in E3SM atmosphere model version 1 (EAMv1) and applications for high-resolution modeling. <i>Geoscientific Model Development</i> , 2019, 12, 2679-2706.	1.3	49
39	East Asian Study of Tropospheric Aerosols and their Impact on Regional Clouds, Precipitation, and Climate (EAST-ASIA-CPC). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13026-13054.	1.2	175
40	The DOE E3SM Coupled Model Version 1: Description and Results at High Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4095-4146.	1.3	112
41	An Overview of the Atmospheric Component of the Energy Exascale Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2377-2411.	1.3	168
42	Irrigation Impact on Water and Energy Cycle During Dry Years Over the United States Using Convection-Permitting WRF and a Dynamical Recycling Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11220-11241.	1.2	34
43	Understanding Monsoonal Water Cycle Changes in a Warmer Climate in E3SMv1 Using a Normalized Gross Moist Stability Framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10826-10843.	1.2	6
44	Modeling the contributions of Northern Hemisphere dust sources to dust outflow from East Asia. <i>Atmospheric Environment</i> , 2019, 202, 234-243.	1.9	39
45	Modeling the Impacts of Urbanization on Summer Thermal Comfort: The Role of Urban Land Use and Anthropogenic Heat. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6681-6697.	1.2	58
46	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. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7105-7128.	1.9	46
47	Evaluation of Clouds in Version 1 of the E3SM Atmosphere Model With Satellite Simulators. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 1253-1268.	1.3	55
48	Parametric and Structural Sensitivities of Turbine-Height Wind Speeds in the Boundary Layer Parameterizations in the Weather Research and Forecasting Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5951-5969.	1.2	23
49	Linking atmospheric pollution to cryospheric change in the Third Pole region: current progress and future prospects. <i>National Science Review</i> , 2019, 6, 796-809.	4.6	271
50	The DOE E3SM Coupled Model Version 1: Overview and Evaluation at Standard Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2089-2129.	1.3	404
51	Trans-Pacific transport and evolution of aerosols: spatiotemporal characteristics and source contributions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12709-12730.	1.9	27
52	The Atmospheric River Tracking Method Intercomparison Project (ARTMIP): Quantifying Uncertainties in Atmospheric River Climatology. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13777-13802.	1.2	126
53	Better monsoon precipitation in coupled climate models due to bias compensation. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	26
54	Black Carbon Amplifies Haze Over the North China Plain by Weakening the East Asian Winter Monsoon. <i>Geophysical Research Letters</i> , 2019, 46, 452-460.	1.5	49

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55	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. <i>Boundary-Layer Meteorology</i> , 2019, 170, 507-518.	1.2	19
56	Recent Third Pole's Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 423-444.	1.7	590
57	Recent intensification of winter haze in China linked to foreign emissions and meteorology. <i>Scientific Reports</i> , 2018, 8, 2107.	1.6	48
58	CAUSES: Attribution of Surface Radiation Biases in NWP and Climate Models near the U.S. Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3612-3644.	1.2	62
59	Simulated precipitation diurnal cycles over East Asia using different CAPE-based convective closure schemes in WRF model. <i>Climate Dynamics</i> , 2018, 50, 1639-1658.	1.7	16
60	Development and Evaluation of an Explicit Treatment of Aerosol Processes at Cloud Scale Within a Multi-Scale Modeling Framework (MMF). <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1663-1679.	1.3	1
61	Anomalous holiday precipitation over southern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16775-16791.	1.9	2
62	Impact of numerical choices on water conservation in the E3SM Atmosphere Model version 1 (EAMv1). <i>Geoscientific Model Development</i> , 2018, 11, 1971-1988.	1.3	33
63	Low-Cloud Feedback in CAM5-CLUBB: Physical Mechanisms and Parameter Sensitivity Analysis. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2844-2864.	1.3	15
64	Understanding Cloud and Convective Characteristics in Version 1 of the E3SM Atmosphere Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2618-2644.	1.3	105
65	Introduction to CAUSES: Description of Weather and Climate Models and Their Near-Surface Temperature Errors in 5-Day Hindcasts Near the Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2655-2683.	1.2	53
66	Parametric Sensitivity and Uncertainty Quantification in the Version 1 of E3SM Atmosphere Model Based on Short Perturbed Parameter Ensemble Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,046.	1.2	53
67	Atmospheric River Tracking Method Intercomparison Project (ARTMIP): project goals and experimental design. <i>Geoscientific Model Development</i> , 2018, 11, 2455-2474.	1.3	221
68	Black carbon-induced snow albedo reduction over the Tibetan Plateau: uncertainties from snow grain shape and aerosol-snow mixing state based on an updated SNICAR model. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11507-11527.	1.9	85
69	Impacts of aerosols on seasonal precipitation and snowpack in California based on convection-permitting WRF-Chem simulations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5529-5547.	1.9	14
70	Aerosol and Urban Land Use Effect on Rainfall Around Cities in Indo-Gangetic Basin From Observations and Cloud Resolving Model Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3645-3667.	1.2	32
71	Urbanization Effect on Winter Haze in the Yangtze River Delta Region of China. <i>Geophysical Research Letters</i> , 2018, 45, 6710-6718.	1.5	37
72	Seasonal variation and light absorption property of carbonaceous aerosol in a typical glacier region of the southeastern Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6441-6460.	1.9	51

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73	CAUSES: On the Role of Surface Energy Budget Errors to the Warm Surface Air Temperature Error Over the Central United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2888-2909.	1.2	60
74	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. <i>Journal of Climate</i> , 2017, 30, 1381-1396.	1.2	80
75	Contribution of urbanization to the increase of extreme heat events in an urban agglomeration in east China. <i>Geophysical Research Letters</i> , 2017, 44, 6940-6950.	1.5	161
76	The Art and Science of Climate Model Tuning. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 589-602.	1.7	343
77	Sensitivity of Turbine-Height Wind Speeds to Parameters in Planetary Boundary-Layer and Surface-Layer Schemes in the Weather Research and Forecasting Model. <i>Boundary-Layer Meteorology</i> , 2017, 162, 117-142.	1.2	56
78	An overview of mineral dust modeling over East Asia. <i>Journal of Meteorological Research</i> , 2017, 31, 633-653.	0.9	61
79	Urbanization-induced urban heat island and aerosol effects on climate extremes in the Yangtze River Delta region of China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5439-5457.	1.9	133
80	Quantification of marine aerosol subgrid variability and its correlation with clouds based on high-resolution regional modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6329-6346.	1.2	4
81	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. <i>Geoscientific Model Development</i> , 2016, 9, 1959-1976.	1.3	34
82	Trans-Pacific transport and evolution of aerosols: evaluation of quasi-global WRF-Chem simulation with multiple observations. <i>Geoscientific Model Development</i> , 2016, 9, 1725-1746.	1.3	62
83	Quantifying the impact of sub-grid surface wind variability on sea salt and dust emissions in CAM5. <i>Geoscientific Model Development</i> , 2016, 9, 607-632.	1.3	19
84	Climatic effects of irrigation over the Huang-Huai-Hai Plain in China simulated by the weather research and forecasting model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2246-2264.	1.2	40
85	Aerosol and monsoon climate interactions over Asia. <i>Reviews of Geophysics</i> , 2016, 54, 866-929.	9.0	591
86	Can nudging be used to quantify model sensitivities in precipitation and cloud forcing?. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1073-1091.	1.3	26
87	Uncertainty Quantification in Climate Modeling and Projection. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 821-824.	1.7	49
88	A case study of urbanization impact on summer precipitation in the Greater Beijing Metropolitan Area: Urban heat island versus aerosol effects. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,903-10,914.	1.2	92
89	Dynamical and thermodynamical modulations on future changes of landfalling atmospheric rivers over western North America. <i>Geophysical Research Letters</i> , 2015, 42, 7179-7186.	1.5	153
90	Parametric behaviors of CLUBB in simulations of low clouds in the Community Atmosphere Model (CAM). <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1005-1025.	1.3	32

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91	Parametric sensitivity analysis of precipitation at global and local scales in the Community Atmosphere Model CAM5. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 382-411.	1.3	80
92	A new approach to modeling aerosol effects on East Asian climate: Parametric uncertainties associated with emissions, cloud microphysics, and their interactions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8905-8924.	1.2	20
93	Parametric Sensitivity Analysis for the Asian Summer Monsoon Precipitation Simulation in the Beijing Climate Center AGCM, Version 2.1. <i>Journal of Climate</i> , 2015, 28, 5622-5644.	1.2	26
94	The Low-Level Jet over the Southern Great Plains Determined from Observations and Reanalyses and Its Impact on Moisture Transport. <i>Journal of Climate</i> , 2015, 28, 6682-6706.	1.2	45
95	Light-absorbing particles in snow and ice: Measurement and modeling of climatic and hydrological impact. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 64-91.	1.9	223
96	Short ensembles: an efficient method for discerning climate-relevant sensitivities in atmospheric general circulation models. <i>Geoscientific Model Development</i> , 2014, 7, 1961-1977.	1.3	49
97	A sensitivity analysis of cloud properties to CLUBB parameters in the single-column Community Atmosphere Model (SCAM5). <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 829-858.	1.3	51
98	A sensitivity study on modeling black carbon in snow and its radiative forcing over the Arctic and Northern China. <i>Environmental Research Letters</i> , 2014, 9, 064001.	2.2	67
99	Observed holiday aerosol reduction and temperature cooling over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6306-6324.	1.2	24
100	Parameter Tuning and Calibration of RegCM3 with MIT's Emanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. <i>Journal of Climate</i> , 2014, 27, 7687-7701.	1.2	56
101	Parametric sensitivity and calibration for the Kain-Fritsch convective parameterization scheme in the WRF model. <i>Climate Research</i> , 2014, 59, 135-147.	0.4	26
102	Responses of East Asian summer monsoon to natural and anthropogenic forcings in the 17 latest CMIP5 models. <i>Geophysical Research Letters</i> , 2014, 41, 596-603.	1.5	249
103	Simulating black carbon and dust and their radiative forcing in seasonal snow: a case study over North China with field campaign measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11475-11491.	1.9	115
104	A Modeling Study of Irrigation Effects on Surface Fluxes and Land-Air-Cloud Interactions in the Southern Great Plains. <i>Journal of Hydrometeorology</i> , 2013, 14, 700-721.	0.7	139
105	Modeling the transport and radiative forcing of Taklimakan dust over the Tibetan Plateau: A case study in the summer of 2006. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 797-812.	1.2	136
106	Uncertainty in modeling dust mass balance and radiative forcing from size parameterization. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10733-10753.	1.9	128
107	A sensitivity study of radiative fluxes at the top of atmosphere to cloud-microphysics and aerosol parameters in the community atmosphere model CAM5. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10969-10987.	1.9	65
108	Uncertainty quantification and parameter tuning in the CAM5 Zhang-McFarlane convection scheme and impact of improved convection on the global circulation and climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 395-415.	1.2	112

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109	Sensitivity of remote aerosol distributions to representation of cloud-aerosol interactions in a global climate model. <i>Geoscientific Model Development</i> , 2013, 6, 765-782.	1.3	169
110	Some issues in uncertainty quantification and parameter tuning: a case study of convective parameterization scheme in the WRF regional climate model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2409-2427.	1.9	118
111	Evaluation of cloud fraction and its radiative effect simulated by IPCC AR4 global models against ARM surface observations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1785-1810.	1.9	80
112	Simulation of urban climate with high-resolution WRF model: A case study in Nanjing, China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2012, 48, 227-241.	1.3	77
113	Aerosol impacts on clouds and precipitation in eastern China: Results from bin and bulk microphysics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	152
114	Constraining cloud lifetime effects of aerosols using A-train satellite observations. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	117
115	Downscaling aerosols and the impact of neglected subgrid processes on direct aerosol radiative forcing for a representative global climate model grid spacing. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	33
116	Sensitivity studies on the impacts of Tibetan Plateau snowpack pollution on the Asian hydrological cycle and monsoon climate. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1929-1948.	1.9	285
117	Aerosol indirect effects in a multi-scale aerosol-climate model PNNL-MMF. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5431-5455.	1.9	143
118	The multi-scale aerosol-climate model PNNL-MMF: model description and evaluation. <i>Geoscientific Model Development</i> , 2011, 4, 137-168.	1.3	88
119	Downscaling hydroclimatic changes over the Western US based on CAM subgrid scheme and WRF regional climate simulations. <i>International Journal of Climatology</i> , 2010, 30, 675-693.	1.5	22
120	An investigation of the sub-grid variability of trace gases and aerosols for global climate modeling. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6917-6946.	1.9	62
121	Regional climate model projections for the State of Washington. <i>Climatic Change</i> , 2010, 102, 51-75.	1.7	118
122	Effects of soot-induced snow albedo change on snowpack and hydrological cycle in western United States based on Weather Research and Forecasting chemistry and regional climate simulations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	126
123	Heavy pollution suppresses light rain in China: Observations and modeling. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	255
124	Atmospheric rivers induced heavy precipitation and flooding in the western U.S. simulated by the WRF regional climate model. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	248
125	Variability of solar radiation under cloud-free skies in China: The role of aerosols. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	172
126	Weekly cycle of aerosol-meteorology interaction over China. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	101

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127	More frequent cloud-free sky and less surface solar radiation in China from 1955 to 2000. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	249
128	Regional climate effects of aerosols over China: modeling and observation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 914-934.	0.8	140
129	The Sensitivity of Precipitation and Snowpack Simulations to Model Resolution via Nesting in Regions of Complex Terrain. <i>Journal of Hydrometeorology</i> , 2003, 4, 1025-1043.	0.7	133
130	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001, 53, 171-191.	0.8	71
131	Interactive coupling of regional climate and sulfate aerosol models over eastern Asia. <i>Journal of Geophysical Research</i> , 1999, 104, 6477-6499.	3.3	93
132	A Strong Anthropogenic Black Carbon Forcing Constrained by Pollution Trends over China. <i>Geophysical Research Letters</i> , 0, , .	1.5	1