

Xiaodan Guan

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,835
citations

331670

21
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

4855
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-decadal variability of the heat source over the Tibetan Plateau. <i>Climate Dynamics</i> , 2022, 58, 729-739.	3.8	4
2	The Influence of Precipitation Phase Changes on the Recharge Process of Terrestrial Water Storage in the Cold Season Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
3	Evidence of decreasing diurnal temperature range in eastern Northern Hemisphere. <i>Environmental Research Communications</i> , 2022, 4, 031004.	2.3	5
4	Opposite Atlantic Multidecadal Oscillation effects on dry/wet changes over Central and East Asian drylands. <i>Atmospheric Research</i> , 2022, 271, 106102.	4.1	5
5	Enhanced Warming in Global Dryland Lakes and Its Drivers. <i>Remote Sensing</i> , 2022, 14, 86.	4.0	5
6	Estimation of Atmospheric PM ₁₀ Concentration in China Using an Interpretable Deep Learning Model and Top-of-the-Atmosphere Reflectance Data From China's New Generation Geostationary Meteorological Satellite, FY-4A. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	13
7	Influence of water vapor influx on interdecadal change in summer precipitation over the source area of the Yellow River Basin. <i>Atmospheric Research</i> , 2022, 276, 106270.	4.1	7
8	Speeding extreme cold events under global warming. <i>Environmental Research Letters</i> , 2022, 17, 084012.	5.2	6
9	Changing Lengths of the Four Seasons by Global Warming. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091753.	4.0	62
10	The Mechanism of Increasing Summer Water Vapor Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034166.	3.3	27
11	Changes in lengths of the four seasons over the drylands in the Northern Hemisphere mid-latitudes. <i>Journal of Climate</i> , 2021, , 1.	3.2	5
12	Precipitation over semi-arid regions of North Hemisphere affected by Atlantic Multidecadal Oscillation. <i>Atmospheric Research</i> , 2021, 262, 105801.	4.1	10
13	Precipitation Changes in Semi-arid Regions in East Asia Under Global Warming. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
14	The global response of temperature to high-latitude vegetation greening in a two-dimensional energy balance model. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 80-87.	1.3	1
15	Global desertification vulnerability to climate change and human activities. <i>Land Degradation and Development</i> , 2020, 31, 1380-1391.	3.9	177
16	The Dominant Role of Snow/Ice Albedo Feedback Strengthened by Black Carbon in the Enhanced Warming over the Himalayas. <i>Journal of Climate</i> , 2019, 32, 5883-5899.	3.2	21
17	Progress in Semi-arid Climate Change Studies in China. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 922-937.	4.3	94
18	Decadal Change in Soil Moisture Over East Asia in Response to a Decade-Long Warming Hiatus. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8619-8630.	3.3	8

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19	The key role of decadal modulated oscillation in recent cold phase. <i>International Journal of Climatology</i> , 2019, 39, 5761-5770.	3.5	7
20	Impact of oceans on climate change in drylands. <i>Science China Earth Sciences</i> , 2019, 62, 891-908.	5.2	54
21	The Key Role of Atlantic Multidecadal Oscillation in Minimum Temperature Over North America During Global Warming Slowdown. <i>Earth and Space Science</i> , 2019, 6, 387-397.	2.6	7
22	Estimations of indirect and direct anthropogenic dust emission at the global scale. <i>Atmospheric Environment</i> , 2019, 200, 50-60.	4.1	26
23	Comparison of the Pacific Decadal Oscillation in climate model simulations and observations. <i>International Journal of Climatology</i> , 2018, 38, e99.	3.5	13
24	Quantifying contributions of natural and anthropogenic dust emission from different climatic regions. <i>Atmospheric Environment</i> , 2018, 191, 94-104.	4.1	56
25	Different roles of dynamic and thermodynamic effects in enhanced semi-arid warming. <i>International Journal of Climatology</i> , 2018, 38, 13-22.	3.5	11
26	The dynamics of the warming hiatus over the Northern Hemisphere. <i>Climate Dynamics</i> , 2017, 48, 429-446.	3.8	96
27	Unexpected Evergreen Expansion in the Siberian Forest under Warming Hiatus. <i>Journal of Climate</i> , 2017, 30, 5021-5039.	3.2	18
28	Contributions of radiative factors to enhanced dryland warming over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7723-7736.	3.3	20
29	Dryland climate change: Recent progress and challenges. <i>Reviews of Geophysics</i> , 2017, 55, 719-778.	23.0	507
30	Changes in aridity in response to the global warming hiatus. <i>Journal of Meteorological Research</i> , 2017, 31, 117-125.	2.4	32
31	Mechanism of non-appearance of hiatus in Tibetan Plateau. <i>Scientific Reports</i> , 2017, 7, 4421.	3.3	21
32	The relationship between anthropogenic dust and population over global semi-arid regions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5159-5169.	4.9	42
33	Accelerated dryland expansion under climate change. <i>Nature Climate Change</i> , 2016, 6, 166-171.	18.8	1,615
34	The role of dynamically induced variability in the recent warming trend slowdown over the Northern Hemisphere. <i>Scientific Reports</i> , 2015, 5, 12669.	3.3	83
35	Long-term trend and variability of soil moisture over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8658-8670.	3.3	89
36	Role of radiatively forced temperature changes in enhanced semi-arid warming in the cold season over east Asia. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13777-13786.	4.9	50

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37	Mechanisms of water supply and vegetation demand govern the seasonality and magnitude of evapotranspiration in Amazonia and Cerrado. <i>Agricultural and Forest Meteorology</i> , 2014, 191, 33-50.	4.8	105
38	Overview of the Large-Scale Biosphere-Atmosphere Experiment in Amazonia Data Model Intercomparison Project (LBA-DMIP). <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 111-127.	4.8	55
39	Inter-annual variability of carbon and water fluxes in Amazonian forest, Cerrado and pasture sites, as simulated by terrestrial biosphere models. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 145-155.	4.8	30
40	Long-term trends of precipitable water and precipitation over the Tibetan Plateau derived from satellite and surface measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 122, 64-71.	2.3	67
41	Enhanced cold-season warming in semi-arid regions. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5391-5398.	4.9	246
42	Variability of soil moisture and its relationship with surface albedo and soil thermal parameters over the Loess Plateau. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 692-700.	4.3	122