

Weidong Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7323952/publications.pdf>

Version: 2024-02-01

60
papers

3,393
citations

304743

22
h-index

149698

56
g-index

85
all docs

85
docs citations

85
times ranked

4029
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the performance of 33 CMIP6 models in simulating the large-scale environmental fields of tropical cyclones. <i>Climate Dynamics</i> , 2022, 58, 1683-1698.	3.8	13
2	The Biophysical Impacts of Deforestation on Precipitation: Results from the CMIP6 Model Intercomparison. <i>Journal of Climate</i> , 2022, 35, 3293-3311.	3.2	12
3	Improving Simulations of Vegetation Dynamics over the Tibetan Plateau: Role of Atmospheric Forcing Data and Spatial Resolution. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1115-1132.	4.3	6
4	Phenological and physiological responses of the terrestrial ecosystem to the 2019 drought event in Southwest China: Insights from satellite measurements and the SSiB2 model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 111, 102832.	1.9	1
5	Rapid response of the East Asian trough to Tibetan Plateau snow cover. <i>International Journal of Climatology</i> , 2021, 41, 251-261.	3.5	11
6	Does Dynamic Downscaling Modify the Projected Impacts of Stabilized 1.5°C and 2°C Warming on Hot Extremes Over China?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092792.	4.0	9
7	Vertical structure of Tibetan Plateau Vortex in boreal summer. <i>Theoretical and Applied Climatology</i> , 2021, 145, 427-440.	2.8	7
8	An improved multivariable integrated evaluation method and tool (MVIETool) v1.0 for multimodel intercomparison. <i>Geoscientific Model Development</i> , 2021, 14, 3079-3094.	3.6	8
9	Tibetan Plateau vortex-associated precipitation and its link with the Tibetan Plateau heating anomaly. <i>International Journal of Climatology</i> , 2021, 41, 6300-6313.	3.5	13
10	Comprehensive evaluation of satellite-based and reanalysis soil moisture products using in situ observations over China. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4209-4229.	4.9	21
11	Simulation of summer climate over Central Asia shows high sensitivity to different land surface schemes in WRF. <i>Climate Dynamics</i> , 2021, 57, 2249-2268.	3.8	8
12	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.	3.6	31
13	Estimating global aerodynamic parameters in 1982–2017 using remote-sensing data and a turbulent transfer model. <i>Remote Sensing of Environment</i> , 2021, 260, 112428.	11.0	18
14	Evaluation of coupled regional climate models in representing the local biophysical effects of afforestation over continental China. <i>Journal of Climate</i> , 2021, , 1-62.	3.2	5
15	Exploring how groundwater buffers the influence of heatwaves on vegetation function during multi-year droughts. <i>Earth System Dynamics</i> , 2021, 12, 919-938.	7.1	18
16	Representation of Stony Surface–Atmosphere Interactions in WRF Reduces Cold and Wet Biases for the Southern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035291.	3.3	11
17	Intraseasonal variability of Tibetan Plateau snow cover. <i>International Journal of Climatology</i> , 2020, 40, 3451-3466.	3.5	9
18	Climatology of Tibetan Plateau vortices derived from multiple reanalysis datasets. <i>Climate Dynamics</i> , 2020, 55, 2237-2252.	3.8	20

#	ARTICLE	IF	CITATIONS
19	Implementation and Evaluation of an Improved Lake Scheme in Beijing Climate Center Atmosphere-Vegetation Interaction Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031272.	3.3	1
20	Impact of revegetation of the Loess Plateau of China on the regional growing season water balance. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 515-533.	4.9	88
21	Responses of Australian Dryland Vegetation to the 2019 Heat Wave at a Subdaily Scale. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086569.	4.0	24
22	The linkage between CMIP5 climate models' abilities to simulate precipitation and vector winds. <i>Climate Dynamics</i> , 2020, 54, 4953-4970.	3.8	18
23	Systematic bias of Tibetan Plateau snow cover in subseasonal-to-seasonal models. <i>Cryosphere</i> , 2020, 14, 3565-3579.	3.9	11
24	Streamflow in the Columbia River Basin: Quantifying Changes Over the Period 1951-2008 and Determining the Drivers of Those Changes. <i>Water Resources Research</i> , 2019, 55, 6640-6652.	4.2	15
25	Assimilation of Remotely Sensed LAI Into CLM4CN Using DART. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2768-2786.	3.8	20
26	Comparison of different sequential assimilation algorithms for satellite-derived leaf area index using the Data Assimilation Research Testbed (version Lanai). <i>Geoscientific Model Development</i> , 2019, 12, 3119-3133.	3.6	17
27	The Nonradiative Effect Dominates Local Surface Temperature Change Caused by Afforestation in China. <i>Journal of Climate</i> , 2019, 32, 4445-4471.	3.2	42
28	Satellite-observed solar-induced chlorophyll fluorescence reveals higher sensitivity of alpine ecosystems to snow cover on the Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 126-134.	4.8	29
29	Do Uncertainties in the Reconstruction of Land Cover Affect the Simulation of Air Temperature and Rainfall in the CORDEX Region of East Asia?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3647-3670.	3.3	14
30	Evaluating vector winds in the Asian-Australian monsoon region simulated by 37 CMIP5 models. <i>Climate Dynamics</i> , 2019, 53, 491-507.	3.8	20
31	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.	3.3	590
32	Satellite Chlorophyll Fluorescence and Soil Moisture Observations Lead to Advances in the Predictive Understanding of Global Terrestrial Coupled Carbon-Water Cycles. <i>Global Biogeochemical Cycles</i> , 2018, 32, 360-375.	4.9	42
33	Spring Land Surface and Subsurface Temperature Anomalies and Subsequent Downstream Late Spring-Summer Droughts/Floods in North America and East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5001-5019.	3.3	65
34	Influence of Tibetan Plateau snow cover on East Asian atmospheric circulation at medium-range time scales. <i>Nature Communications</i> , 2018, 9, 4243.	12.8	95
35	Observation-based estimation of aerosol-induced reduction of planetary boundary layer height. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1057-1068.	4.3	28
36	Dryland climate change: Recent progress and challenges. <i>Reviews of Geophysics</i> , 2017, 55, 719-778.	23.0	507

#	ARTICLE	IF	CITATIONS
37	An integrated evaluation of land surface energy fluxes over China in seven reanalysis/modeling products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8543-8566.	3.3	7
38	Quantifying the contribution of land use change to surface temperature in the lower reaches of the Yangtze River. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4989-4996.	4.9	41
39	A diagram for evaluating multiple aspects of model performance in simulating vector fields. <i>Geoscientific Model Development</i> , 2016, 9, 4365-4380.	3.6	61
40	Severe summer heatwave and drought strongly reduced carbon uptake in Southern China. <i>Scientific Reports</i> , 2016, 6, 18813.	3.3	125
41	Implementation and evaluation of a generalized radiative transfer scheme within canopy in the soil-vegetation-atmosphere transfer (SVAT) model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,145.	3.3	8
42	Enhanced haze pollution by black carbon in megacities in China. <i>Geophysical Research Letters</i> , 2016, 43, 2873-2879.	4.0	590
43	Long-term observation of air pollution-weather/climate interactions at the SORPES station: a review and outlook. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	6.0	75
44	Comparison of land-atmosphere interaction at different surface types in the mid- to lower reaches of the Yangtze River valley. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9875-9890.	4.9	34
45	Effects of aerosol-radiation interaction on precipitation during biomass-burning season in East China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10063-10082.	4.9	108
46	Influence of the Madden-Julian oscillation on Tibetan Plateau snow cover at the intraseasonal time-scale. <i>Scientific Reports</i> , 2016, 6, 30456.	3.3	17
47	Sensitivity of a regional climate model to land surface parameterization schemes for East Asian summer monsoon simulation. <i>Climate Dynamics</i> , 2016, 47, 2293-2308.	3.8	34
48	Estimation of key surface parameters in semi-arid region and their impacts on improvement of surface fluxes simulation. <i>Science China Earth Sciences</i> , 2016, 59, 307-319.	5.2	20
49	Composite analysis of impacts of dust aerosols on surface atmospheric variables and energy budgets in a semiarid region of China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3107-3123.	3.3	15
50	A study of dust radiative feedback on dust cycle and meteorology over East Asia by a coupled regional climate-chemistry-aerosol model. <i>Atmospheric Environment</i> , 2013, 68, 54-63.	4.1	50
51	Evaluating CEOP model performance in semi-arid region of China. <i>Environmental Research Letters</i> , 2012, 7, 025202.	5.2	4
52	A new approach for parameter optimization in land surface model. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 1056-1066.	4.3	7
53	Evaluating CEOP model performance with the observational data from Tongyu reference site, semi-arid region of China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2010, 46, 475-481.	2.3	2
54	Observation analysis of land-atmosphere interactions over the Loess Plateau of northwest China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61

#	ARTICLE	IF	CITATIONS
55	Numerical study of impacts of soil moisture on the diurnal and seasonal cycles of sensible/latent heat fluxes over semi-arid region. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 319-326.	4.3	12
56	Calibrating and Evaluating Reanalysis Surface Temperature Error by Topographic Correction. <i>Journal of Climate</i> , 2008, 21, 1440-1446.	3.2	84
57	Seasonal evolution of the upper-tropospheric westerly jet core over East Asia. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	156
58	The Great Ice Age cycles associated with the variation of the atmospheric heat engine efficiency. <i>Science in China Series D: Earth Sciences</i> , 2000, 43, 286-292.	0.9	2
59	Effects of spring Tibetan Plateau land temperature anomalies on early summer floods/droughts over the monsoon regions of South East Asia. <i>Climate Dynamics</i> , 0, , 1.	3.8	8
60	Evaluation of CMIP6 models toward dynamical downscaling over 14 CORDEX domains. <i>Climate Dynamics</i> , 0, , .	3.8	16