

# Yongkang Xue

## List of Publications by Year in descending order

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145  
papers

14,248  
citations

34105

52  
h-index

20358

116  
g-index

166  
all docs

166  
docs citations

166  
times ranked

11072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regions of Strong Coupling Between Soil Moisture and Precipitation. <i>Science</i> , 2004, 305, 1138-1140.	12.6	2,337
2	Modeling of land surface evaporation by four schemes and comparison with FIFE observations. <i>Journal of Geophysical Research</i> , 1996, 101, 7251-7268.	3.3	910
3	A Simplified Biosphere Model for Global Climate Studies. <i>Journal of Climate</i> , 1991, 4, 345-364.	3.2	643
4	GLACE: The Global Land-Atmosphere Coupling Experiment. Part I: Overview. <i>Journal of Hydrometeorology</i> , 2006, 7, 590-610.	1.9	616
5	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
6	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Synthesis. <i>Global Change Biology</i> , 2012, 18, 566-584.	9.5	583
7	The Influence of Land Surface Properties on Sahel Climate. Part 1: Desertification. <i>Journal of Climate</i> , 1993, 6, 2232-2245.	3.2	414
8	GLACE: The Global Land-Atmosphere Coupling Experiment. Part II: Analysis. <i>Journal of Hydrometeorology</i> , 2006, 7, 611-625.	1.9	337
9	Simulating cold season snowpack: Impacts of snow albedo and multi-layer snow physics. <i>Climatic Change</i> , 2011, 109, 95-117.	3.6	319
10	Evaluation of forest snow processes models (SnowMIP2). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	290
11	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) Phase 2(c) Red-Arkansas River basin experiment:. <i>Global and Planetary Change</i> , 1998, 19, 115-135.	3.5	265
12	Evaluating land surface moisture conditions from the remotely sensed temperature/vegetation index measurements. <i>Remote Sensing of Environment</i> , 2002, 79, 225-242.	11.0	265
13	The Impact of Desertification in the Mongolian and the Inner Mongolian Grassland on the Regional Climate. <i>Journal of Climate</i> , 1996, 9, 2173-2189.	3.2	198
14	Simulation of high-latitude hydrological processes in the Torne-Kalix basin: PILPS Phase 2(e). <i>Global and Planetary Change</i> , 2003, 38, 1-30.	3.5	194
15	Direct observations of the effects of aerosol loading on net ecosystem CO <sub>2</sub> exchanges over different landscapes. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	179
16	A review on regional dynamical downscaling in intraseasonal to seasonal simulation/prediction and major factors that affect downscaling ability. <i>Atmospheric Research</i> , 2014, 147-148, 68-85.	4.1	178
17	Use of Midlatitude Soil Moisture and Meteorological Observations to Validate Soil Moisture Simulations with Biosphere and Bucket Models. <i>Journal of Climate</i> , 1995, 8, 15-35.	3.2	177
18	The climatic impacts of land surface change and carbon management, and the implications for climate-change mitigation policy. <i>Climate Policy</i> , 2003, 3, 149-157.	5.1	177

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19	The AMMA Land Surface Model Intercomparison Project (ALMIP). <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1865-1880.	3.3	165
20	Biosphere feedback on regional climate in tropical North Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1997, 123, 1483-1515.	2.7	154
21	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) Redô€“Arkansas River basin experiment. <i>Global and Planetary Change</i> , 1998, 19, 161-179.	3.5	154
22	Effects of Frozen Soil on Soil Temperature, Spring Infiltration, and Runoff: Results from the PILPS 2(d) Experiment at Valdai, Russia. <i>Journal of Hydrometeorology</i> , 2003, 4, 334-351.	1.9	150
23	Variability and Predictability of West African Droughts: A Review on the Role of Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , 2015, 28, 4034-4060.	3.2	148
24	Role of land surface processes in monsoon development: East Asia and West Africa. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	145
25	Multi-Scale Summer Rainfall Variability Over China and its Long-Term Link to Global Sea Surface Temperature Variability. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 845-857.	1.8	138
26	Impact of vegetation properties on U.S. summer weather prediction. <i>Journal of Geophysical Research</i> , 1996, 101, 7419-7430.	3.3	128
27	A simple snow-atmosphere-soil transfer model. <i>Journal of Geophysical Research</i> , 1999, 104, 19587-19597.	3.3	124
28	Intercomparison and analyses of the climatology of the West African Monsoon in the West African Monsoon Modeling and Evaluation project (WAMME) first model intercomparison experiment. <i>Climate Dynamics</i> , 2010, 35, 3-27.	3.8	123
29	SSiB and its sensitivity to soil propertiesâ€”a case study using HAPEX-Mobilhy data. <i>Global and Planetary Change</i> , 1996, 13, 183-194.	3.5	115
30	The Simulated Indian Monsoon: A GCM Sensitivity Study. <i>Journal of Climate</i> , 1994, 7, 33-43.	3.2	114
31	Climate Change Trends and Impacts on Vegetation Greening Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7540-7552.	3.3	109
32	Simulation of high latitude hydrological processes in the Torneâ€“Kalix basin: PILPS Phase 2(e). <i>Global and Planetary Change</i> , 2003, 38, 31-53.	3.5	106
33	Key results and implications from phase 1(c) of the Project for Intercomparison of Land-surface Parametrization Schemes. <i>Climate Dynamics</i> , 1999, 15, 673-684.	3.8	103
34	A proposal for a general interface between land surface schemes and general circulation models. <i>Global and Planetary Change</i> , 1998, 19, 261-276.	3.5	101
35	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
36	Integrated simulation of snow and glacier melt in water and energy balanceâ€“based, distributed hydrological modeling framework at Hunza River Basin of Pakistan Karakoram region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4889-4919.	3.3	94

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37	Modeling the Impact of Land Surface Degradation on the Climate of Tropical North Africa. <i>Journal of Climate</i> , 2001, 14, 1809-1822.	3.2	90
38	Impact of parameterizations in snow physics and interface processes on the simulation of snow cover and runoff at several cold region sites. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	88
39	The WAMME regional model intercomparison study. <i>Climate Dynamics</i> , 2010, 35, 175-192.	3.8	84
40	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) Red-Arkansas River basin experiment:. <i>Global and Planetary Change</i> , 1998, 19, 137-159.	3.5	82
41	Global and Seasonal Assessment of Interactions between Climate and Vegetation Biophysical Processes: A GCM Study with Different Landâ€™Vegetation Representations. <i>Journal of Climate</i> , 2010, 23, 1411-1433.	3.2	82
42	Assessment of Dynamic Downscaling of the Continental U.S. Regional Climate Using the Eta/SSiB Regional Climate Model. <i>Journal of Climate</i> , 2007, 20, 4172-4193.	3.2	80
43	Development and Testing of a Frozen Soil Parameterization for Cold Region Studies. <i>Journal of Hydrometeorology</i> , 2007, 8, 690-701.	1.9	80
44	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , 2017, 53, 5085-5103.	4.2	76
45	Quantifying the major drivers for the expanding lakes in the interior Tibetan Plateau. <i>Science Bulletin</i> , 2022, 67, 474-478.	9.0	75
46	Analysis of transpiration results from the RICE and PILPS workshop. <i>Global and Planetary Change</i> , 1996, 13, 73-88.	3.5	71
47	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , 2014, 15, 2586-2614.	1.9	66
48	An analytical approach for estimating CO2 and heat fluxes over the Amazonian region. <i>Ecological Modelling</i> , 2003, 162, 97-117.	2.5	65
49	Spring Land Surface and Subsurface Temperature Anomalies and Subsequent Downstream Late Springâ€™Summer Droughts/Floods in North America and East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5001-5019.	3.3	65
50	Missing pieces to modeling the Arctic-Boreal puzzle. <i>Environmental Research Letters</i> , 2018, 13, 020202.	5.2	61
51	The Influence of Land Surface Properties on Sahel Climate. Part II. Afforestation. <i>Journal of Climate</i> , 1996, 9, 3260-3275.	3.2	59
52	Improving the snow physics of WEB-DHM and its point evaluation at the SnowMIP sites. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 2577-2594.	4.9	59
53	18-Year Land-Surface Hydrology Model Simulations for a Midlatitude Grassland Catchment in Valdai, Russia. <i>Monthly Weather Review</i> , 1997, 125, 3279-3296.	1.4	58
54	The West African climate system: a review of the AMMA model interâ€™comparison initiatives. <i>Atmospheric Science Letters</i> , 2011, 12, 116-122.	1.9	57

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55	Variabilities of the spring river runoff system in East China and their relations to precipitation and sea surface temperature. <i>International Journal of Climatology</i> , 2009, 29, 1381-1394.	3.5	56
56	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. <i>Vadose Zone Journal</i> , 2019, 18, 1-53.	2.2	56
57	Role of Land Surface Processes in South American Monsoon Development. <i>Journal of Climate</i> , 2006, 19, 741-762.	3.2	55
58	Modeling the Spatial Distribution of Snow Cover in the Dudhkoshi Region of the Nepal Himalayas. <i>Journal of Hydrometeorology</i> , 2012, 13, 204-222.	1.9	54
59	The impact of spring subsurface soil temperature anomaly in the western U.S. on North American summer precipitation: A case study using regional climate model downscaling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	51
60	Validation of the coupled Eta/SSiB model over South America. <i>Journal of Geophysical Research</i> , 2002, 107, LBA 56-1.	3.3	50
61	Investigation of Biogeophysical Feedback on the African Climate Using a Two-Dimensional Model. <i>Journal of Climate</i> , 1990, 3, 337-352.	3.2	46
62	The impact of vegetation and soil parameters in simulations of surface energy and water balance in the semi-arid sahel: A case study using SEBEX and HAPEX-Sahel data. <i>Journal of Hydrology</i> , 2006, 320, 238-259.	5.4	46
63	Improving snow albedo processes in WRF/SSiB regional climate model to assess impact of dust and black carbon in snow on surface energy balance and hydrology over western U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3228-3248.	3.3	45
64	Sensitivity of Simulated Surface Fluxes to Changes in Land Surface Parameterizations-A Study Using ABRACOS Data. <i>Journal of Applied Meteorology and Climatology</i> , 1996, 35, 386-400.	1.7	42
65	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
66	Analyses and development of a hierarchy of frozen soil models for cold region study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	41
67	Assessment of dynamic downscaling of the extreme rainfall over East Asia using a regional climate model. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 1077-1098.	4.3	41
68	Vegetation greening in China and its effect on summer regional climate. <i>Science Bulletin</i> , 2021, 66, 13-17.	9.0	41
69	Validating a regional climate model's downscaling ability for East Asian summer monsoonal interannual variability. <i>Climate Dynamics</i> , 2013, 41, 2411-2426.	3.8	39
70	Vegetation Responses to Climate Variability in the Northern Arid to Sub-Humid Zones of Sub-Saharan Africa. <i>Remote Sensing</i> , 2016, 8, 910.	4.0	39
71	West African monsoon decadal variability and surface-related forcings: second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). <i>Climate Dynamics</i> , 2016, 47, 3517-3545.	3.8	39
72	A GCM investigation of dust aerosol impact on the regional climate of North Africa and South/East Asia. <i>Climate Dynamics</i> , 2016, 46, 2353-2370.	3.8	38

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73	Impact Assessment of Satellite-Derived Leaf Area Index Datasets Using a General Circulation Model. <i>Journal of Climate</i> , 2007, 20, 993-1015.	3.2	37
74	Assessing the dynamicâ€downscaling ability over South America using the intensityâ€scale verification technique. <i>International Journal of Climatology</i> , 2011, 31, 1205-1221.	3.5	37
75	Hydrological Land Surface Response in a Tropical Regime and a Midlatitudinal Regime. <i>Journal of Hydrometeorology</i> , 2002, 3, 39-56.	1.9	36
76	The climatic impacts of land surface change and carbon management, and the implications for climate-change mitigation policy. <i>Climate Policy</i> , 2003, 3, 149-157.	5.1	36
77	Correcting basin-scale snowfall in a mountainous basin using a distributed snowmelt model and remote-sensing data. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 747-761.	4.9	36
78	An Arcticâ€Tibetan Connection on Subseasonal to Seasonal Time Scale. <i>Geophysical Research Letters</i> , 2019, 46, 2790-2799.	4.0	35
79	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
80	Simulated impacts of land cover change on summer climate in the Tibetan Plateau. <i>Environmental Research Letters</i> , 2010, 5, 015102.	5.2	31
81	The regional impact of Land-Use Land-cover Change (LULCC) over West Africa from an ensemble of global climate models under the auspices of the WAMME2 project. <i>Climate Dynamics</i> , 2016, 47, 3547-3573.	3.8	31
82	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
83	Evaluation of the WAMME model surface fluxes using results from the AMMA land-surface model intercomparison project. <i>Climate Dynamics</i> , 2010, 35, 127-142.	3.8	29
84	Dynamic downscaling of 22-year CFS winter seasonal hindcasts with the UCLA-ETA regional climate model over the United States. <i>Climate Dynamics</i> , 2013, 41, 255-275.	3.8	29
85	Modeling vadose zone liquid water fluxes: Infiltration, runoff, drainage, interflow. <i>Global and Planetary Change</i> , 1996, 13, 57-71.	3.5	28
86	Global vegetation variability and its response to elevated CO&lt;sub&gt;2&lt;/sub&gt;, global warming, and climate variability â€ a study using the offline SSiB4/TRIFFID model and satellite data. <i>Earth System Dynamics</i> , 2019, 10, 9-29.	7.1	28
87	Fireâ€induced albedo change and surface radiative forcing in subâ€Saharan Africa savanna ecosystems: Implications for the energy balance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6186-6201.	3.3	28
88	Assessment of uncertainties in the response of the African monsoon precipitation to land use change simulated by a regional model. <i>Climate Dynamics</i> , 2014, 43, 2765-2775.	3.8	27
89	On the effects of wildfires on precipitation in Southern Africa. <i>Climate Dynamics</i> , 2019, 52, 951-967.	3.8	27
90	Assessing Global and Regional Effects of Reconstructed Land-Use and Land-Cover Change on Climate since 1950 Using a Coupled Landâ€Atmosphereâ€Ocean Model. <i>Journal of Climate</i> , 2020, 33, 8997-9013.	3.2	27

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91	Spring land temperature anomalies in northwestern US and the summer drought over Southern Plains and adjacent areas. <i>Environmental Research Letters</i> , 2016, 11, 044018.	5.2	26
92	Impact of land surface processes on the South American warm season climate. <i>Climate Dynamics</i> , 2011, 37, 187-203.	3.8	25
93	Modeling the potential contribution of land cover changes to the late twentieth century Sahel drought using a regional climate model: impact of lateral boundary conditions. <i>Climate Dynamics</i> , 2016, 47, 3457-3477.	3.8	25
94	Carbon and energy fluxes in cropland ecosystems: a model-data comparison. <i>Biogeochemistry</i> , 2016, 129, 53-76.	3.5	24
95	A Numerical Study of Early Summer Regional Climate and Weather over LSA-East. Part I: Model Implementation and Verification. <i>Monthly Weather Review</i> , 2003, 131, 1895-1909.	1.4	22
96	Multiscale Variability of the River Runoff System in China and Its Long-Term Link to Precipitation and Sea Surface Temperature. <i>Journal of Hydrometeorology</i> , 2005, 6, 550-570.	1.9	22
97	Impact of different initial soil moisture fields on Eta model weather forecasts for South America. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	22
98	Dynamical downscaling the impact of spring Western US land surface temperature on the 2015 flood extremes at the Southern Great Plains: effect of domain choice, dynamic cores and land surface parameterization. <i>Climate Dynamics</i> , 2019, 53, 1039-1061.	3.8	22
99	Impact of burned areas on the northern African seasonal climate from the perspective of regional modeling. <i>Climate Dynamics</i> , 2016, 47, 3393-3413.	3.8	19
100	Changes in NDVI and human population in protected areas on the Tibetan Plateau. <i>Arctic, Antarctic, and Alpine Research</i> , 2019, 51, 428-439.	1.1	19
101	The Sahelian Climate. <i>Global Change - the IGBP Series</i> , 2004, , 59-77.	2.1	19
102	Review of Recent Developments and the Future Prospective in West African Atmosphere/Land Interaction Studies. <i>International Journal of Geophysics</i> , 2012, 2012, 1-12.	1.1	18
103	Investigation of North American vegetation variability under recent climate: A study using the SSiB4/TRIFFID biophysical/dynamic vegetation model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1300-1321.	3.3	18
104	Soil moisture regulates the biological response of elevated atmospheric CO2 concentrations in a coupled atmosphere biosphere model. <i>Global and Planetary Change</i> , 2006, 54, 94-108.	3.5	17
105	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
106	Assessing aerosol indirect effect on clouds and regional climate of East/South Asia and West Africa using NCEP GFS. <i>Climate Dynamics</i> , 2019, 52, 5759-5774.	3.8	16
107	Comments on "Use of Midlatitude Soil Moisture and Meteorological Observations to Validate Soil Moisture Simulations with Biosphere and Bucket Models"; <i>Journal of Climate</i> , 1997, 10, 374-376.	3.2	15
108	Quasi-decadal signals of Sahel rainfall and West African monsoon since the mid-twentieth century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,587.	3.3	14

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109	Investigation of the Variability of Near-Surface Temperature Anomaly and Its Causes Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032800.	3.3	14
110	Expansion of the Sahara Desert and shrinking of frozen land of the Arctic. <i>Scientific Reports</i> , 2020, 10, 4109.	3.3	14
111	Investigation of seasonal prediction of the South American regional climate using the nested model system. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	13
112	Analysis of Climate and Vegetation Characteristics along the Savanna-Desert Ecotone in Mali Using MODIS Data. <i>GIScience and Remote Sensing</i> , 2009, 46, 424-450.	5.9	13
113	Numerical Investigation of the Impact of Vegetation Indices on the Variability of West African Summer Monsoon. <i>Journal of the Meteorological Society of Japan</i> , 2007, 85A, 363-383.	1.8	13
114	Potential impacts on regional climate due to land degradation in the Guizhou Karst Plateau of China. <i>Environmental Research Letters</i> , 2013, 8, 044037.	5.2	12
115	Evaluation of multi-decadal UCLA-CFSv2 simulation and impact of interactive atmospheric-ocean feedback on global and regional variability. <i>Climate Dynamics</i> , 2019, 52, 3683-3707.	3.8	12
116	Evidence for carbon dioxide and moisture interactions from the leaf cell up to global scales: Perspective on human-caused climate change. <i>Global and Planetary Change</i> , 2006, 54, 202-208.	3.5	9
117	Sensitivity of Global Tropical Climate to Land Surface Processes: Mean State and Interannual Variability. <i>Journal of Climate</i> , 2013, 26, 1818-1837.	3.2	9
118	On the Connection between Continental-Scale Land Surface Processes and the Tropical Climate in a Coupled Ocean-Atmosphere-Land System. <i>Journal of Climate</i> , 2013, 26, 9006-9025.	3.2	9
119	An assessment of potential climate impact during 1948-2010 using historical land use land cover change maps. <i>International Journal of Climatology</i> , 2021, 41, 295-315.	3.5	9
120	Modeling Snow Ablation over the Mountains of the Western United States: Patterns and Controlling Factors. <i>Journal of Hydrometeorology</i> , 2021, 22, 297-311.	1.9	9
121	A two-dimensional coupled biosphere-atmosphere model and its application. <i>Advances in Atmospheric Sciences</i> , 1991, 8, 447-458.	4.3	8
122	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
123	A GCM investigation of impact of aerosols on the precipitation in Amazon during the dry to wet transition. <i>Climate Dynamics</i> , 2017, 48, 2393-2404.	3.8	8
124	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
125	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
126	Impact of frozen soil processes on soil thermal characteristics at seasonal to decadal scales over the Tibetan Plateau and North China. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2089-2107.	4.9	7

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127	Exploration of the remote sounding of infrared cooling rates due to water vapor. <i>Meteorology and Atmospheric Physics</i> , 1988, 38, 131-139.	2.0	6
128	Modeling long-term fire impact on ecosystem characteristics and surface energy using a process-based vegetation-fire model SSiB4/TRIFFID-Fire v1.0. <i>Geoscientific Model Development</i> , 2020, 13, 6029-6050.	3.6	6
129	Mapping South America's Drylands through Remote Sensing-A Review of the Methodological Trends and Current Challenges. <i>Remote Sensing</i> , 2022, 14, 736.	4.0	6
130	Numerical Investigation and Uncertainty Analysis of Eastern China's Large-Scale Urbanization Effect on Regional Climate. <i>Journal of Meteorological Research</i> , 2021, 35, 1023-1040.	2.4	6
131	Validating the dynamic downscaling ability of WRF for East Asian summer climate. <i>Theoretical and Applied Climatology</i> , 2017, 128, 241-253.	2.8	5
132	Memory of land surface and subsurface temperature (LST/SUBT) initial anomalies over Tibetan Plateau in different land models. <i>Climate Dynamics</i> , 0, , 1.	3.8	5
133	INTERACTIONS AND FEEDBACKS BETWEEN CLIMATE AND DRYLAND VEGETATIONS. , 2006, , 85-105.		5
134	Biosphere feedback on regional climate in tropical north Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1997, 123, 1483-1515.	2.7	4
135	Modeling the short-term fire effects on vegetation dynamics and surface energy in southern Africa using the improved SSiB4/TRIFFID-Fire model. <i>Geoscientific Model Development</i> , 2021, 14, 7639-7657.	3.6	4
136	The observed and simulated major summer climate features in northwest China and their sensitivity to land surface processes. <i>Journal of Meteorological Research</i> , 2014, 28, 836-848.	2.4	3
137	Regional climate modeling to understand Tibetan heating remote impacts on East China precipitation. <i>Climate Dynamics</i> , 0, , 1.	3.8	3
138	Determination of atmospheric precipitable water and humidity profiles by a ground-based 1,35 cm radiometer. <i>Advances in Atmospheric Sciences</i> , 1984, 1, 119-127.	4.3	2
139	OPTIMIZING SNOWFALL CORRECTION FACTOR FOR RADAR-AMEDAS PRECIPITATION USING DISTRIBUTED SNOW MODEL (WEB-DHM-S) AND MODIS SNOW COVER DATA. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2014, 70, I_223-I_228.	0.1	2
140	Interactions and Feedbacks Between Climate and Dryland Vegetations. , 2019, , 139-169.		2
141	Effects of Dynamic Vegetation on Global Climate Simulation Using the NCEP GFS and SSiB4/TRIFFID. <i>Journal of Meteorological Research</i> , 2021, 35, 1041-1056.	2.4	1
142	Validation of SSiB model over grassland with CHeRES field experiment data in 2001. <i>Advances in Atmospheric Sciences</i> , 2004, 21, 547-556.	4.3	0
143	Stem-root flow effect on soil-atmosphere interactions and uncertainty assessments. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1509-1522.	4.9	0
144	Variability and predictability of West African monsoon on seasonal and decadal scales. <i>Climate Dynamics</i> , 2016, 47, 3391-3392.	3.8	0

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145	The use of the Alpertâ€“Stein Factor Separation Methodology for climate variable interaction studies in hydrological land surface models and crop yield models. , 0, , 171-183.		0