

Yongkang Xue

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146
papers

11,434
citations

48
h-index

106
g-index

166
ext. papers

12,733
ext. citations

4.7
avg, IF

5.81
L-index

#	Paper	IF	Citations
146	Regions of strong coupling between soil moisture and precipitation. <i>Science</i> , 2004 , 305, 1138-40	33.3	1939
145	Modeling of land surface evaporation by four schemes and comparison with FIFE observations. <i>Journal of Geophysical Research</i> , 1996 , 101, 7251-7268		752
144	A Simplified Biosphere Model for Global Climate Studies. <i>Journal of Climate</i> , 1991 , 4, 345-364	4.4	563
143	GLACE: The Global Land-Atmosphere Coupling Experiment. Part I: Overview. <i>Journal of Hydrometeorology</i> , 2006 , 7, 590-610	3.7	525
142	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Site Synthesis. <i>Global Change Biology</i> , 2012 , 18, 566-584	11.4	481
141	The Influence of Land Surface Properties on Sahel Climate. Part 1: Desertification. <i>Journal of Climate</i> , 1993 , 6, 2232-2245	4.4	371
140	GLACE: The Global Land-Atmosphere Coupling Experiment. Part II: Analysis. <i>Journal of Hydrometeorology</i> , 2006 , 7, 611-625	3.7	287
139	Simulating cold season snowpack: Impacts of snow albedo and multi-layer snow physics. <i>Climatic Change</i> , 2011 , 109, 95-117	4.5	254
138	Recent Third Pole 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	6.1	253
137	Evaluation of forest snow processes models (SnowMIP2). <i>Journal of Geophysical Research</i> , 2009 , 114,		250
136	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) Phase 2(c) Red-Arkansas River basin experiment:: 1. Experiment description and summary intercomparisons. <i>Global and Planetary Change</i> , 1998 , 19, 115-135	4.2	243
135	Evaluating land surface moisture conditions from the remotely sensed temperature/vegetation index measurements. <i>Remote Sensing of Environment</i> , 2002 , 79, 225-242	13.2	202
134	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	4.4	184
133	Simulation of high-latitude hydrological processes in the Torne-Kalix basin: PILPS Phase 2(e): 1: Experiment description and summary intercomparisons. <i>Global and Planetary Change</i> , 2003 , 38, 1-30	4.2	177
132	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	4.4	157
131	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	5.3	151
130	The AMMA Land Surface Model Intercomparison Project (ALMIP). <i>Bulletin of the American Meteorological Society</i> , 2009 , 90, 1865-1880	6.1	149

129	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	5.4	143
128	Direct observations of the effects of aerosol loading on net ecosystem CO2 exchanges over different landscapes. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	140
127	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, 161-179	4.2	137
126	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	3.7	132
125	Biosphere feedback on regional climate in tropical North Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1997 , 123, 1483-1515	6.4	130
124	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		130
123	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	2.8	125
122	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	4.4	116
121	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	4.2	110
120	A simple snow-atmosphere-soil transfer model. <i>Journal of Geophysical Research</i> , 1999 , 104, 19587-19597		107
119	The Simulated Indian Monsoon: A GCM Sensitivity Study. <i>Journal of Climate</i> , 1994 , 7, 33-43	4.4	104
118	SSiB and its sensitivity to soil properties— case study using HAPEX-Mobilhy data. <i>Global and Planetary Change</i> , 1996 , 13, 183-194	4.2	103
117	Simulation of high latitude hydrological processes in the Torne-Kalix basin: PILPS Phase 2(e). <i>Global and Planetary Change</i> , 2003 , 38, 31-53	4.2	100
116	Impact of vegetation properties on U.S. summer weather prediction. <i>Journal of Geophysical Research</i> , 1996 , 101, 7419-7430		98
115	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	4.2	92
114	A proposal for a general interface between land surface schemes and general circulation models. <i>Global and Planetary Change</i> , 1998 , 19, 261-276	4.2	83
113	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	4.2	79
112	Modeling the Impact of Land Surface Degradation on the Climate of Tropical North Africa. <i>Journal of Climate</i> , 2001 , 14, 1809-1822	4.4	79

111	The WAMME regional model intercomparison study. <i>Climate Dynamics</i> , 2010 , 35, 175-192	4.2	78
110	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,		77
109	Global and Seasonal Assessment of Interactions between Climate and Vegetation Biophysical Processes: A GCM Study with Different Land/Vegetation Representations. <i>Journal of Climate</i> , 2010 , 23, 1411-1433	4.4	73
108	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	4.4	71
107	Integrated simulation of snow and glacier melt in water and energy balance-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	4.4	63
106	An analytical approach for estimating CO ₂ and heat fluxes over the Amazonian region. <i>Ecological Modelling</i> , 2003 , 162, 97-117	3	60
105	Analysis of transpiration results from the RICE and PILPS workshop. <i>Global and Planetary Change</i> , 1996 , 13, 73-88	4.2	60
104	Development and Testing of a Frozen Soil Parameterization for Cold Region Studies. <i>Journal of Hydrometeorology</i> , 2007 , 8, 690-701	3.7	59
103	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , 2014 , 15, 2586-2614	3.7	54
102	The West African climate system: a review of the AMMA model inter-comparison initiatives. <i>Atmospheric Science Letters</i> , 2011 , 12, 116-122	2.4	53
101	Role of Land Surface Processes in South American Monsoon Development. <i>Journal of Climate</i> , 2006 , 19, 741-762	4.4	50
100	The Influence of Land Surface Properties on Sahel Climate. Part II. Afforestation. <i>Journal of Climate</i> , 1996 , 9, 3260-3275	4.4	50
99	Validation of the coupled Eta/SSiB model over South America. <i>Journal of Geophysical Research</i> , 2002 , 107, LBA 56-1		49
98	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	5.5	47
97	18-Year Land-Surface Hydrology Model Simulations for a Midlatitude Grassland Catchment in Valdai, Russia. <i>Monthly Weather Review</i> , 1997 , 125, 3279-3296	2.4	47
96	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	46
95	Modeling the Spatial Distribution of Snow Cover in the Dudhkoshi Region of the Nepal Himalayas. <i>Journal of Hydrometeorology</i> , 2012 , 13, 204-222	3.7	46
94	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , 2017 , 53, 5085-5103	5.4	45

93	Influence of Tibetan Plateau snow cover on East Asian atmospheric circulation at medium-range time scales. <i>Nature Communications</i> , 2018 , 9, 4243	17.4	44
92	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	6	42
91	Climate Change Trends and Impacts on Vegetation Greening Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 7540-7552	4.4	41
90	Missing pieces to modeling the Arctic-Boreal puzzle. <i>Environmental Research Letters</i> , 2018 , 13, 020202	6.2	39
89	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, n/a-n/a		37
88	Investigation of Biogeophysical Feedback on the African Climate Using a Two-Dimensional Model. <i>Journal of Climate</i> , 1990 , 3, 337-352	4.4	37
87	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	2.7	36
86	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	2.9	36
85	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	4.4	35
84	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		35
83	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	4.4	33
82	Assessing the dynamic-downscaling ability over South America using the intensity-scale verification technique. <i>International Journal of Climatology</i> , 2011 , 31, 1205-1221	3.5	33
81	Analyses and development of a hierarchy of frozen soil models for cold region study. <i>Journal of Geophysical Research</i> , 2010 , 115,		33
80	Impact Assessment of Satellite-Derived Leaf Area Index Datasets Using a General Circulation Model. <i>Journal of Climate</i> , 2007 , 20, 993-1015	4.4	33
79	Hydrological Land Surface Response in a Tropical Regime and a Midlatitudinal Regime. <i>Journal of Hydrometeorology</i> , 2002 , 3, 39-56	3.7	33
78	Validating a regional climate model's downscaling ability for East Asian summer monsoonal interannual variability. <i>Climate Dynamics</i> , 2013 , 41, 2411-2426	4.2	32
77	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	5.9	30
76	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	4.2	30

75	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	4.2	29
74	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	5.5	29
73	Vegetation Responses to Climate Variability in the Northern Arid to Sub-Humid Zones of Sub-Saharan Africa. <i>Remote Sensing</i> , 2016 , 8, 910	5	29
72	Simulated impacts of land cover change on summer climate in the Tibetan Plateau. <i>Environmental Research Letters</i> , 2010 , 5, 015102	6.2	28
71	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	4.2	27
70	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	4.2	26
69	Modeling vadose zone liquid water fluxes: Infiltration, runoff, drainage, interflow. <i>Global and Planetary Change</i> , 1996 , 13, 57-71	4.2	26
68	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	4.2	25
67	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	4.2	24
66	Impact of land surface processes on the South American warm season climate. <i>Climate Dynamics</i> , 2011 , 37, 187-203	4.2	22
65	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	4.2	21
64	Fire-induced albedo change and surface radiative forcing in sub-Saharan Africa savanna ecosystems: Implications for the energy balance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 6186-6201	4.4	21
63	Impact of different initial soil moisture fields on Eta model weather forecasts for South America. <i>Journal of Geophysical Research</i> , 2006 , 111,		19
62	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	2.4	19
61	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	4.2	18
60	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	3.7	18
59	Carbon and energy fluxes in cropland ecosystems: a model-data comparison. <i>Biogeochemistry</i> , 2016 , 129, 53-76	3.8	17
58	The Sahelian Climate. <i>Global Change - the IGBP Series</i> , 2004 , 59-77		17

57	Impact of burned areas on the northern African seasonal climate from the perspective of regional modeling. <i>Climate Dynamics</i> , 2016 , 47, 3393-3413	4.2	16
56	An Arctic-Tibetan Connection on Subseasonal to Seasonal Time Scale. <i>Geophysical Research Letters</i> , 2019 , 46, 2790-2799	4.9	16
55	Global vegetation variability and its response to elevated CO ₂ , global warming, and climate variability: a study using the offline SSiB4/TRIFFID model and satellite data. <i>Earth System Dynamics</i> , 2019 , 10, 9-29	4.8	16
54	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	4.4	16
53	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	2	16
52	Soil moisture regulates the biological response of elevated atmospheric CO ₂ concentrations in a coupled atmosphere biosphere model. <i>Global and Planetary Change</i> , 2006 , 54, 94-108	4.2	16
51	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	5.3	16
50	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	6.2	16
49	Assessing Global and Regional Effects of Reconstructed Land-Use and Land-Cover Change on Climate since 1950 Using a Coupled Land-Atmosphere-Ocean Model. <i>Journal of Climate</i> , 2020 , 33, 8997-9013	4.4	15
48	On the effects of wildfires on precipitation in Southern Africa. <i>Climate Dynamics</i> , 2019 , 52, 951-967	4.2	14
47	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	4.4	14
46	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, 12,587-12,599	4.4	13
45	Vegetation greening in China and its effect on summer regional climate. <i>Science Bulletin</i> , 2021 , 66, 13-17	10.6	13
44	Influence of the Madden-Julian oscillation on Tibetan Plateau snow cover at the intraseasonal time-scale. <i>Scientific Reports</i> , 2016 , 6, 30456	4.9	12
43	Investigation of seasonal prediction of the South American regional climate using the nested model system. <i>Journal of Geophysical Research</i> , 2006 , 111,		12
42	Potential impacts on regional climate due to land degradation in the Guizhou Karst Plateau of China. <i>Environmental Research Letters</i> , 2013 , 8, 044037	6.2	11
41	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	2.8	11
40	Changes in NDVI and human population in protected areas on the Tibetan Plateau. <i>Arctic, Antarctic, and Alpine Research</i> , 2019 , 51, 428-439	1.8	10

39	Sensitivity of Global Tropical Climate to Land Surface Processes: Mean State and Interannual Variability. <i>Journal of Climate</i> , 2013 , 26, 1818-1837	4.4	9
38	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	4.8	9
37	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	4.2	9
36	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	4.2	8
35	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	4.4	8
34	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	4.2	8
33	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	4.2	7
32	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	4.2	6
31	A two-dimensional coupled biosphere-atmosphere model and its application. <i>Advances in Atmospheric Sciences</i> , 1991 , 8, 447-458	2.9	6
30	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, 12,145-12,163	4.4	6
29	Expansion of the Sahara Desert and shrinking of frozen land of the Arctic. <i>Scientific Reports</i> , 2020 , 10, 4109	4.9	5
28	Exploration of the remote sounding of infrared cooling rates due to water vapor. <i>Meteorology and Atmospheric Physics</i> , 1988 , 38, 131-139	2	5
27	Correcting basin-scale snowfall in a mountainous basin using a distributed snowmelt model and remote sensing data		5
26	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	4.4	5
25	Biosphere feedback on regional climate in tropical North Africa 1997 , 123, 1483		4
24	Quantifying the major drivers for the expanding lakes in the interior Tibetan Plateau. <i>Science Bulletin</i> , 2021 ,	10.6	4
23	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	6.3	4
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	6.3	4

21	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	4
20	Modeling Snow Ablation over the Mountains of the Western United States: Patterns and Controlling Factors. <i>Journal of Hydrometeorology</i> , 2021 , 22, 297-311	3.7	4
19	INTERACTIONS AND FEEDBACKS BETWEEN CLIMATE AND DRYLAND VEGETATIONS 2006 , 85-105		4
18	Impact of Land-Atmosphere Interactions on Sahel Climate 2017 ,		3
17	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	5.5	3
16	Validating the dynamic downscaling ability of WRF for East Asian summer climate. <i>Theoretical and Applied Climatology</i> , 2017 , 128, 241-253	3	2
15	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
14	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	2.3	2
13	Interactions and Feedbacks Between Climate and Dryland Vegetations 2019 , 139-169		2
12	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	4.2	2
11	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	2.9	1
10	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> ,1	4.2	1
9	Memory of land surface and subsurface temperature (LST/SUBT) initial anomalies over Tibetan Plateau in different land models. <i>Climate Dynamics</i> ,1	4.2	1
8	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	2.3	1
7	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	6.3	1
6	Mapping South America's Drylands through Remote Sensing: A Review of the Methodological Trends and Current Challenges. <i>Remote Sensing</i> , 2022 , 14, 736	5	0
5	Regional climate modeling to understand Tibetan heating remote impacts on East China precipitation. <i>Climate Dynamics</i> ,1	4.2	0
4	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	2.3	0

- 3 Validation of SSiB model over grassland with CHeRES field experiment data in 2001. *Advances in Atmospheric Sciences*, **2004**, 21, 547-556 2.9
- 2 Stemflow effect on soil-atmosphere interactions and uncertainty assessments. *Hydrology and Earth System Sciences*, **2016**, 20, 1509-1522 5.5
- 1 The use of the Alpertstein Factor Separation Methodology for climate variable interaction studies in hydrological land surface models and crop yield models 171-183