

# Yongkang Xue

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Mapping South America's Drylands through Remote Sensing: A Review of the Methodological Trends and Current Challenges. <i>Remote Sensing</i> , <b>2022</b> , 14, 736	5	0
145	Quantifying the major drivers for the expanding lakes in the interior Tibetan Plateau. <i>Science Bulletin</i> , <b>2021</b> ,	10.6	4
144	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> , <b>2021</b> , 25, 2089-2107	5.5	3
143	Simulation of summer climate over Central Asia shows high sensitivity to different land surface schemes in WRF. <i>Climate Dynamics</i> , <b>2021</b> , 57, 2249-2268	4.2	2
142	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> , <b>2021</b> , 14, 4465-4494	6.3	4
141	An assessment of potential climate impact during 1948-2010 using historical land use land cover change maps. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 295-315	3.5	4
140	Vegetation greening in China and its effect on summer regional climate. <i>Science Bulletin</i> , <b>2021</b> , 66, 13-17	10.6	13
139	Modeling Snow Ablation over the Mountains of the Western United States: Patterns and Controlling Factors. <i>Journal of Hydrometeorology</i> , <b>2021</b> , 22, 297-311	3.7	4
138	Numerical Investigation and Uncertainty Analysis of Eastern China's Large-Scale Urbanization Effect on Regional Climate. <i>Journal of Meteorological Research</i> , <b>2021</b> , 35, 1023-1040	2.3	1
137	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> , <b>2021</b> , 14, 7639-7657	6.3	1
136	Effects of Dynamic Vegetation on Global Climate Simulation Using the NCEP GFS and SSiB4/TRIFFID. <i>Journal of Meteorological Research</i> , <b>2021</b> , 35, 1041-1056	2.3	0
135	Expansion of the Sahara Desert and shrinking of frozen land of the Arctic. <i>Scientific Reports</i> , <b>2020</b> , 10, 4109	4.9	5
134	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> , <b>2020</b> , 33, 8997-9013	4.4	15
133	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> , <b>2020</b> , 13, 6029-6050	6.3	4
132	Investigation of the Variability of Near-Surface Temperature Anomaly and Its Causes Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032800	4.4	5
131	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> , <b>2019</b> , 53, 1039-1061	4.2	7
130	An Arctic-Tibetan Connection on Subseasonal to Seasonal Time Scale. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 2790-2799	4.9	16

129	Evaluation of multi-decadal UCLA-CFSv2 simulation and impact of interactive atmospheric-ocean feedback on global and regional variability. <i>Climate Dynamics</i> , <b>2019</b> , 52, 3683-3707	4.2	8
128	On the effects of wildfires on precipitation in Southern Africa. <i>Climate Dynamics</i> , <b>2019</b> , 52, 951-967	4.2	14
127	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. <i>Vadose Zone Journal</i> , <b>2019</b> , 18, 1-53	2.7	36
126	Climate Change Trends and Impacts on Vegetation Greening Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 7540-7552	4.4	41
125	Global vegetation variability and its response to elevated CO <sub>2</sub> , global warming, and climate variability: a study using the offline SSiB4/TRIFFID model and satellite data. <i>Earth System Dynamics</i> , <b>2019</b> , 10, 9-29	4.8	16
124	Changes in NDVI and human population in protected areas on the Tibetan Plateau. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2019</b> , 51, 428-439	1.8	10
123	Interactions and Feedbacks Between Climate and Dryland Vegetations <b>2019</b> , 139-169		2
122	Assessing aerosol indirect effect on clouds and regional climate of East/South Asia and West Africa using NCEP GFS. <i>Climate Dynamics</i> , <b>2019</b> , 52, 5759-5774	4.2	8
121	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> , <b>2019</b> , 100, 423-444	6.1	253
120	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> , <b>2018</b> , 32, 360-375	5.9	30
119	Missing pieces to modeling the Arctic-Boreal puzzle. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 020202	6.2	39
118	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> , <b>2018</b> , 123, 5001-5019	4.4	33
117	Influence of Tibetan Plateau snow cover on East Asian atmospheric circulation at medium-range time scales. <i>Nature Communications</i> , <b>2018</b> , 9, 4243	17.4	44
116	Validating the dynamic downscaling ability of WRF for East Asian summer climate. <i>Theoretical and Applied Climatology</i> , <b>2017</b> , 128, 241-253	3	2
115	A GCM investigation of impact of aerosols on the precipitation in Amazon during the dry to wet transition. <i>Climate Dynamics</i> , <b>2017</b> , 48, 2393-2404	4.2	6
114	Impact of Land-Atmosphere Interactions on Sahel Climate <b>2017</b> ,		3
113	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , <b>2017</b> , 53, 5085-5103	5.4	45
112	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> , <b>2017</b> , 122, 6186-6201	4.4	21

111	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> , <b>2016</b> , 47, 3457-3477	4.2	18
110	Impact of burned areas on the northern African seasonal climate from the perspective of regional modeling. <i>Climate Dynamics</i> , <b>2016</b> , 47, 3393-3413	4.2	16
109	Influence of the Madden-Julian oscillation on Tibetan Plateau snow cover at the intraseasonal time-scale. <i>Scientific Reports</i> , <b>2016</b> , 6, 30456	4.9	12
108	Sensitivity of a regional climate model to land surface parameterization schemes for East Asian summer monsoon simulation. <i>Climate Dynamics</i> , <b>2016</b> , 47, 2293-2308	4.2	25
107	West African monsoon decadal variability and surface-related forcings: Second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). <i>Climate Dynamics</i> , <b>2016</b> , 47, 3517-3545	4.2	29
106	A GCM investigation of dust aerosol impact on the regional climate of North Africa and South/East Asia. <i>Climate Dynamics</i> , <b>2016</b> , 46, 2353-2370	4.2	30
105	Carbon and energy fluxes in cropland ecosystems: a model-data comparison. <i>Biogeochemistry</i> , <b>2016</b> , 129, 53-76	3.8	17
104	Vegetation Responses to Climate Variability in the Northern Arid to Sub-Humid Zones of Sub-Saharan Africa. <i>Remote Sensing</i> , <b>2016</b> , 8, 910	5	29
103	Stemflow effect on soil-atmosphere interactions and uncertainty assessments. <i>Hydrology and Earth System Sciences</i> , <b>2016</b> , 20, 1509-1522	5.5	
102	Spring land temperature anomalies in northwestern US and the summer drought over Southern Plains and adjacent areas. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 044018	6.2	16
101	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> , <b>2016</b> , 47, 3547-3573	4.2	21
100	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> , <b>2016</b> , 121, 12,145-12,163	4.4	6
99	Variability and Predictability of West African Droughts: A Review on the Role of Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , <b>2015</b> , 28, 4034-4060	4.4	116
98	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> , <b>2015</b> , 120, 3228-3248	4.4	35
97	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> , <b>2015</b> , 120, 4889-4919	4.4	63
96	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> , <b>2015</b> , 120, 1300-1321	4.4	16
95	Assessment of uncertainties in the response of the African monsoon precipitation to land use change simulated by a regional model. <i>Climate Dynamics</i> , <b>2014</b> , 43, 2765-2775	4.2	24
94	A review on regional dynamical downscaling in intraseasonal to seasonal simulation/prediction and major factors that affect downscaling ability. <i>Atmospheric Research</i> , <b>2014</b> , 147-148, 68-85	5.4	143

93	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> , <b>2014</b> , 70, 1_223-1_228	0.1	2
92	Correcting basin-scale snowfall in a mountainous basin using a distributed snowmelt model and remote-sensing data. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 747-761	5.5	29
91	The observed and simulated major summer climate features in northwest China and their sensitivity to land surface processes. <i>Journal of Meteorological Research</i> , <b>2014</b> , 28, 836-848	2.3	2
90	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , <b>2014</b> , 15, 2586-2614	3.7	54
89	Validating a regional climate model's downscaling ability for East Asian summer monsoonal interannual variability. <i>Climate Dynamics</i> , <b>2013</b> , 41, 2411-2426	4.2	32
88	Dynamic downscaling of 22-year CFS winter seasonal hindcasts with the UCLA-ETA regional climate model over the United States. <i>Climate Dynamics</i> , <b>2013</b> , 41, 255-275	4.2	26
87	Sensitivity of Global Tropical Climate to Land Surface Processes: Mean State and Interannual Variability. <i>Journal of Climate</i> , <b>2013</b> , 26, 1818-1837	4.4	9
86	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> , <b>2013</b> , 26, 9006-9025	4.4	8
85	Potential impacts on regional climate due to land degradation in the Guizhou Karst Plateau of China. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 044037	6.2	11
84	Quasi-decadal signals of Sahel rainfall and West African monsoon since the mid-twentieth century. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 12,587-12,599	4.4	13
83	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> , <b>2012</b> , 117, n/a-n/a		37
82	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Site Synthesis. <i>Global Change Biology</i> , <b>2012</b> , 18, 566-584	11.4	481
81	Review of Recent Developments and the Future Prospective in West African Atmosphere/Land Interaction Studies. <i>International Journal of Geophysics</i> , <b>2012</b> , 2012, 1-12	2	16
80	Modeling the Spatial Distribution of Snow Cover in the Dudhkoshi Region of the Nepal Himalayas. <i>Journal of Hydrometeorology</i> , <b>2012</b> , 13, 204-222	3.7	46
79	Simulating cold season snowpack: Impacts of snow albedo and multi-layer snow physics. <i>Climatic Change</i> , <b>2011</b> , 109, 95-117	4.5	254
78	Impact of land surface processes on the South American warm season climate. <i>Climate Dynamics</i> , <b>2011</b> , 37, 187-203	4.2	22
77	Assessment of dynamic downscaling of the extreme rainfall over East Asia using a regional climate model. <i>Advances in Atmospheric Sciences</i> , <b>2011</b> , 28, 1077-1098	2.9	36
76	Assessing the dynamic-downscaling ability over South America using the intensity-scale verification technique. <i>International Journal of Climatology</i> , <b>2011</b> , 31, 1205-1221	3.5	33

75	The West African climate system: a review of the AMMA model inter-comparison initiatives. <i>Atmospheric Science Letters</i> , <b>2011</b> , 12, 116-122	2.4	53
74	Improving the snow physics of WEB-DHM and its point evaluation at the SnowMIP sites. <i>Hydrology and Earth System Sciences</i> , <b>2010</b> , 14, 2577-2594	5.5	47
73	Simulated impacts of land cover change on summer climate in the Tibetan Plateau. <i>Environmental Research Letters</i> , <b>2010</b> , 5, 015102	6.2	28
72	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> , <b>2010</b> , 23, 1411-1433	4.4	73
71	Analyses and development of a hierarchy of frozen soil models for cold region study. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		33
70	Evaluation of the WAMME model surface fluxes using results from the AMMA land-surface model intercomparison project. <i>Climate Dynamics</i> , <b>2010</b> , 35, 127-142	4.2	27
69	The WAMME regional model intercomparison study. <i>Climate Dynamics</i> , <b>2010</b> , 35, 175-192	4.2	78
68	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> , <b>2010</b> , 35, 3-27	4.2	110
67	Analysis of Climate and Vegetation Characteristics along the Savanna-Desert Ecotone in Mali Using MODIS Data. <i>GIScience and Remote Sensing</i> , <b>2009</b> , 46, 424-450	4.8	9
66	The AMMA Land Surface Model Intercomparison Project (ALMIP). <i>Bulletin of the American Meteorological Society</i> , <b>2009</b> , 90, 1865-1880	6.1	149
65	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> , <b>2009</b> , 29, 1381-1394	3.5	46
64	Evaluation of forest snow processes models (SnowMIP2). <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		250
63	Assessment of Dynamic Downscaling of the Continental U.S. Regional Climate Using the Eta/SSiB Regional Climate Model. <i>Journal of Climate</i> , <b>2007</b> , 20, 4172-4193	4.4	71
62	Impact Assessment of Satellite-Derived Leaf Area Index Datasets Using a General Circulation Model. <i>Journal of Climate</i> , <b>2007</b> , 20, 993-1015	4.4	33
61	Development and Testing of a Frozen Soil Parameterization for Cold Region Studies. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 690-701	3.7	59
60	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> , <b>2007</b> , 85A, 363-383	2.8	11
59	Role of Land Surface Processes in South American Monsoon Development. <i>Journal of Climate</i> , <b>2006</b> , 19, 741-762	4.4	50
58	Impact of different initial soil moisture fields on Eta model weather forecasts for South America. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		19



57	Investigation of seasonal prediction of the South American regional climate using the nested model system. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		12
56	GLACE: The Global Land-Atmosphere Coupling Experiment. Part I: Overview. <i>Journal of Hydrometeorology</i> , <b>2006</b> , 7, 590-610	3-7	525
55	Soil moisture regulates the biological response of elevated atmospheric CO2 concentrations in a coupled atmosphere biosphere model. <i>Global and Planetary Change</i> , <b>2006</b> , 54, 94-108	4-2	16
54	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> , <b>2006</b> , 54, 202-208	4-2	9
53	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> , <b>2006</b> , 320, 238-259	6	42
52	GLACE: The Global Land-Atmosphere Coupling Experiment. Part II: Analysis. <i>Journal of Hydrometeorology</i> , <b>2006</b> , 7, 611-625	3-7	287
51	INTERACTIONS AND FEEDBACKS BETWEEN CLIMATE AND DRYLAND VEGETATIONS <b>2006</b> , 85-105		4
50	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> , <b>2005</b> , 6, 550-570	3-7	18
49	Validation of SSiB model over grassland with CHeRES field experiment data in 2001. <i>Advances in Atmospheric Sciences</i> , <b>2004</b> , 21, 547-556	2-9	
48	Regions of strong coupling between soil moisture and precipitation. <i>Science</i> , <b>2004</b> , 305, 1138-40	33-3	1939
47	Role of land surface processes in monsoon development: East Asia and West Africa. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109, n/a-n/a		130
46	Direct observations of the effects of aerosol loading on net ecosystem CO2 exchanges over different landscapes. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4-9	140
45	The Sahelian Climate. <i>Global Change - the IGBP Series</i> , <b>2004</b> , 59-77		17
44	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> , <b>2003</b> , 4, 334-351	3-7	132
43	A Numerical Study of Early Summer Regional Climate and Weather over LSA-East. Part I: Model Implementation and Verification. <i>Monthly Weather Review</i> , <b>2003</b> , 131, 1895-1909	2-4	19
42	An analytical approach for estimating CO2 and heat fluxes over the Amazonian region. <i>Ecological Modelling</i> , <b>2003</b> , 162, 97-117	3	60
41	The climatic impacts of land surface change and carbon management, and the implications for climate-change mitigation policy. <i>Climate Policy</i> , <b>2003</b> , 3, 149-157	5-3	16
40	The climatic impacts of land surface change and carbon management, and the implications for climate-change mitigation policy. <i>Climate Policy</i> , <b>2003</b> , 3, 149-157	5-3	151

39	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> , <b>2003</b> , 108,		77
38	Simulation of high-latitude hydrological processes in the TorneÅkalix basin: PILPS Phase 2(e): 1: Experiment description and summary intercomparisons. <i>Global and Planetary Change</i> , <b>2003</b> , 38, 1-30	4.2	177
37	Simulation of high latitude hydrological processes in the TorneÅkalix basin: PILPS Phase 2(e). <i>Global and Planetary Change</i> , <b>2003</b> , 38, 31-53	4.2	100
36	Evaluating land surface moisture conditions from the remotely sensed temperature/vegetation index measurements. <i>Remote Sensing of Environment</i> , <b>2002</b> , 79, 225-242	13.2	202
35	Hydrological Land Surface Response in a Tropical Regime and a Midlatitudinal Regime. <i>Journal of Hydrometeorology</i> , <b>2002</b> , 3, 39-56	3.7	33
34	Validation of the coupled Eta/SSiB model over South America. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, LBA 56-1		49
33	Modeling the Impact of Land Surface Degradation on the Climate of Tropical North Africa. <i>Journal of Climate</i> , <b>2001</b> , 14, 1809-1822	4.4	79
32	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> , <b>1999</b> , 77, 845-857	2.8	125
31	Key results and implications from phase 1(c) of the Project for Intercomparison of Land-surface Parameterization Schemes. <i>Climate Dynamics</i> , <b>1999</b> , 15, 673-684	4.2	92
30	A simple snow-atmosphere-soil transfer model. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 19587-19597		107
29	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) Phase 2(c) RedArkansas River basin experiment:: 1. Experiment description and summary intercomparisons. <i>Global and Planetary Change</i> , <b>1998</b> , 19, 115-135	4.2	243
28	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) Red-Arkansas River basin experiment:: <i>Global and Planetary Change</i> , <b>1998</b> , 19, 137-159	4.2	79
27	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) RedArkansas River basin experiment:: <i>Global and Planetary Change</i> , <b>1998</b> , 19, 161-179	4.2	137
26	A proposal for a general interface between land surface schemes and general circulation models. <i>Global and Planetary Change</i> , <b>1998</b> , 19, 261-276	4.2	83
25	Comments on Use of Midlatitude Soil Moisture and Meteorological Observations to Validate Soil Moisture Simulations with Biosphere and Bucket ModelsJournal of Climate, <b>1997</b> , 10, 374-376	4.4	14
24	18-Year Land-Surface Hydrology Model Simulations for a Midlatitude Grassland Catchment in Valdai, Russia. <i>Monthly Weather Review</i> , <b>1997</b> , 125, 3279-3296	2.4	47
23	Biosphere feedback on regional climate in tropical North Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>1997</b> , 123, 1483-1515	6.4	130
22	Biosphere feedback on regional climate in tropical North Africa <b>1997</b> , 123, 1483		4



21	The Impact of Desertification in the Mongolian and the Inner Mongolian Grassland on the Regional Climate. <i>Journal of Climate</i> , <b>1996</b> , 9, 2173-2189	4.4	184
20	Modeling vadose zone liquid water fluxes: Infiltration, runoff, drainage, interflow. <i>Global and Planetary Change</i> , <b>1996</b> , 13, 57-71	4.2	26
19	Analysis of transpiration results from the RICE and PILPS workshop. <i>Global and Planetary Change</i> , <b>1996</b> , 13, 73-88	4.2	60
18	SSiB and its sensitivity to soil properties— case study using HAPEX-Mobilhy data. <i>Global and Planetary Change</i> , <b>1996</b> , 13, 183-194	4.2	103
17	Modeling of land surface evaporation by four schemes and comparison with FIFE observations. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 7251-7268		75 <sup>2</sup>
16	Impact of vegetation properties on U.S. summer weather prediction. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 7419-7430		98
15	Sensitivity of Simulated Surface Fluxes to Changes in Land Surface Parameterizations-A Study Using ABRACOS Data. <i>Journal of Applied Meteorology and Climatology</i> , <b>1996</b> , 35, 386-400		35
14	The Influence of Land Surface Properties on Sahel Climate. Part II. Afforestation. <i>Journal of Climate</i> , <b>1996</b> , 9, 3260-3275	4.4	5 <sup>0</sup>
13	Use of Midlatitude Soil Moisture and Meteorological Observations to Validate Soil Moisture Simulations with Biosphere and Bucket Models. <i>Journal of Climate</i> , <b>1995</b> , 8, 15-35	4.4	157
12	The Simulated Indian Monsoon: A GCM Sensitivity Study. <i>Journal of Climate</i> , <b>1994</b> , 7, 33-43	4.4	104
11	The Influence of Land Surface Properties on Sahel Climate. Part 1: Desertification. <i>Journal of Climate</i> , <b>1993</b> , 6, 2232-2245	4.4	37 <sup>1</sup>
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