Randal D Koster

List of Publications by Year
in descending order

180 papers	33,429 citations	7551 77 h-index	4101 175 g-index
186 all docs	186 docs citations	186 times ranked	20700 citing authors

#	Article	IF	Citations
1	The origin of Antarctic precipitation: a modelling approach. Tellus, Series B: Chemical and Physical Meteorology, 2022, 52, 19.	0.8	54
2	Seasonal Variability in the Mechanisms behind the 2020 Siberian Heatwaves. Journal of Climate, 2022, 35, 3075-3090.	1.2	6
3	Exceptional Warmth in the Northern Hemisphere during Januaryâ€“March of 2020: The Roles of Unforced and Forced Modes of Atmospheric Variability. Journal of Climate, 2022, 35, 2565-2584.	1.2	6
4	Tropical Peatland Hydrology Simulated With a Global Land Surface Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	9
5	Skillful Seasonal Forecasts of Land Carbon Uptake in Northern Midâ€•and High Latitudes. Geophysical Research Letters, 2022, 49, .	1.5	2
6	The Contributions of Gauge-Based Precipitation and SMAP Brightness Temperature Observations to the Skill of the SMAP Level-4 Soil Moisture Product. Journal of Hydrometeorology, 2021, 22, 405-424.	0.7	20
7	On the Development and Demise of the Fall 2019 Southeast U.S. Flash Drought: Links to an Extreme Positive IOD. Journal of Climate, 2021, 34, 1701-1723.	1.2	16
8	The response of the Amazon ecosystem to the photosynthetically active radiation fields: integrating impacts of biomass burning aerosol and clouds in the NASA GEOS Earth system model. Atmospheric Chemistry and Physics, 2021, 21, 14177-14197.	1.9	5
9	Asymmetry in Subseasonal Surface Air Temperature Forecast Error with Respect to Soil Moisture Initialization. Journal of Hydrometeorology, 2021, 22, 2505-2519.	0.7	2
10	Improved Estimates of Pentad Precipitation Through the Merging of Independent Precipitation Data Sets. Water Resources Research, 2021, 57, .	1.7	8
11	Prediction Skill of the 2012 U.S. Great Plains Flash Drought in Subseasonal Experiment (SubX) Models. Journal of Climate, 2020, 33, 6229-6253.	1.2	23
12	An Observationâ€Driven Approach to Improve Vegetation Phenology in a Global Land Surface Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002083.	1.3	8
13	Impact of a Regional U.S. Drought on Land and Atmospheric Carbon. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005599.	1.3	5
14	The NASA Hydrological Forecast System for Food and Water Security Applications. Bulletin of the American Meteorological Society, 2020, 101, E1007-E1025.	1.7	31
15	GEOSâ€S2S Version 2: The GMAO Highâ€Resolution Coupled Model and Assimilation System for Seasonal Prediction. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031767.	1.2	52
16	Investigation of the 2016 Eurasia heat wave as an event of the recent warming. Environmental Research Letters, 2020, 15, 114018.	2.2	16
17	Mechanisms Associated with Daytime and Nighttime Heat Waves over the Contiguous United States. Journal of Applied Meteorology and Climatology, 2020, 59, 1865-1882.	0.6	21
18	Using a Simple Water Balance Framework to Quantify the Impact of Soil Moisture Initialization on Subseasonal Evapotranspiration and Air Temperature Forecasts. Journal of Hydrometeorology, 2020, 21, 1705-1722.	0.7	9

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19	Improving early warning of drought-driven food insecurity in southern Africa using operational hydrological monitoring and forecasting products. Natural Hazards and Earth System Sciences, 2020, 20, 1187-1201.	1.5	17
20	Better Advance Warnings of Drought: A New NASA Hydrological Forecast System. Bulletin of the American Meteorological Society, 2020, 101, 899-903.	1.7	1
21	Impact of soil moisture initialization on boreal summer subseasonal forecasts: mid-latitude surface air temperature and heat wave events. Climate Dynamics, 2019, 52, 1695-1709.	1.7	47
22	The Subseasonal Experiment (SubX): A Multimodel Subseasonal Prediction Experiment. Bulletin of the American Meteorological Society, 2019, 100, 2043-2060.	1.7	153
23	PEATâ€CLSM: A Specific Treatment of Peatland Hydrology in the NASA Catchment Land Surface Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 2130-2162.	1.3	40
24	Permafrost variability over the Northern Hemisphere based on the MERRA-2 reanalysis. Cryosphere, 2019, 13, 2087-2110.	1.5	21
25	Version 4 of the SMAP Levelâ€4 Soil Moisture Algorithm and Data Product. Journal of Advances in Modeling Earth Systems, 2019, 11, 3106-3130.	1.3	104
26	Attribution of the 2017 Northern High Plains Drought. Bulletin of the American Meteorological Society, 2019, 100, S25-S29.	1.7	10
27	Flash Drought as Captured by Reanalysis Data: Disentangling the Contributions of Precipitation Deficit and Excess Evapotranspiration. Journal of Hydrometeorology, 2019, 20, 1241-1258.	0.7	70
28	Length Scales of Hydrological Variability as Inferred from SMAP Soil Moisture Retrievals. Journal of Hydrometeorology, 2019, 20, 2129-2146.	0.7	6
29	A Systematic Approach to Assessing the Sources and Global Impacts of Errors in Climate Models. Journal of Climate, 2019, 32, 8301-8321.	1.2	6
30	Phase Locking of the Boreal Summer Atmospheric Response to Dry Land Surface Anomalies in the Northern Hemisphere. Journal of Climate, 2019, 32, 1081-1099.	1.2	15
31	Tendency Bias Correction in Coupled and Uncoupled Global Climate Models with a Focus on Impacts over North America. Journal of Climate, 2019, 32, 639-661.	1.2	16
32	Verification of Landâ€“Atmosphere Coupling in Forecast Models, Reanalyses, and Land Surface Models Using Flux Site Observations. Journal of Hydrometeorology, 2018, 19, 375-392.	0.7	66
33	Improved Hydrological Simulation Using SMAP Data: Relative Impacts of Model Calibration and Data Assimilation. Journal of Hydrometeorology, 2018, 19, 727-741.	0.7	38
34	Assessment of MERRA-2 Land Surface Energy Flux Estimates. Journal of Climate, 2018, 31, 671-691.	1.2	71
35	Large-Scale Hydrological Fluxes as Revealed by Data from the Soil Moisture Active-Passive Mission. , 2018, , .		0
36	Global relationships among traditional reflectance vegetation indices (NDVI and NDII), evapotranspiration (ET), and soil moisture variability on weekly timescales. Remote Sensing of Environment, 2018, 219, 339-352.	4.6	74

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37	The impact of spatiotemporal variability in atmospheric CO₂ concentration on global terrestrial carbon fluxes. Biogeosciences, 2018, 15, 5635-5652.	1.3	9
38	Estimating Basinâ€Scale Water Budgets With SMAP Soil Moisture Data. Water Resources Research, 2018, 54, 4228-4244.	1.7	37
39	Impacts of Snow Darkening by Deposition of Lightâ€Absorbing Aerosols on Hydroclimate of Eurasia During Boreal Spring and Summer. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8441-8461.	1.2	23
40	A Data-Driven Approach for Daily Real-Time Estimates and Forecasts of Near-Surface Soil Moisture. Journal of Hydrometeorology, 2017, 18, 837-843.	0.7	24
41	The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). Journal of Climate, 2017, 30, 5419-5454.	1.2	4,520
42	Assessment of MERRA-2 Land Surface Hydrology Estimates. Journal of Climate, 2017, 30, 2937-2960.	1.2	243
43	Global Assessment of the SMAP Level-4 Surface and Root-Zone Soil Moisture Product Using Assimilation Diagnostics. Journal of Hydrometeorology, 2017, 18, 3217-3237.	0.7	101
44	Assessment of the SMAP Level-4 Surface and Root-Zone Soil Moisture Product Using In Situ Measurements. Journal of Hydrometeorology, 2017, 18, 2621-2645.	0.7	196
45	Evaluation and Enhancement of Permafrost Modeling With the <scp>NASA</scp> Catchment Land Surface Model. Journal of Advances in Modeling Earth Systems, 2017, 9, 2771-2795.	1.3	8
46	Land Surface Precipitation in MERRA-2. Journal of Climate, 2017, 30, 1643-1664.	1.2	271
47	Hydroclimatic variability and predictability: a survey of recent research. Hydrology and Earth System Sciences, 2017, 21, 3777-3798.	1.9	28
48	Global Meteorological Drought: A Synthesis of Current Understanding with a Focus on SST Drivers of Precipitation Deficits. Journal of Climate, 2016, 29, 3989-4019.	1.2	161
49	Precipitation estimation using <scp>L</scp>â€band and <scp>C</scp>â€band soil moisture retrievals. Water Resources Research, 2016, 52, 7213-7225.	1.7	76
50	A Modeling Study of the Causes and Predictability of the Spring 2011 Extreme U.S. Weather Activity. Journal of Climate, 2016, 29, 7869-7887.	1.2	5
51	Large-Scale Influences on Summertime Extreme Precipitation in the Northeastern United States. Journal of Hydrometeorology, 2016, 17, 3045-3061.	0.7	54
52	SMAP Level 4 Surface and Root Zone Soil Moisture. , 2016, , .		25
53	Impacts of Local Soil Moisture Anomalies on the Atmospheric Circulation and on Remote Surface Meteorological Fields during Boreal Summer: A Comprehensive Analysis over North America. Journal of Climate, 2016, 29, 7345-7364.	1.2	93
54	Confronting Weather and Climate Models with Observational Data from Soil Moisture Networks over the United States. Journal of Hydrometeorology, 2016, 17, 1049-1067.	0.7	83

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55	â€œEfficiency Spaceâ€: A Framework for Evaluating Joint Evaporation and Runoff Behavior. Bulletin of the American Meteorological Society, 2016, 2016, 393-396.	1.7	0
56	Impact of snow darkening via dust, black carbon, and organic carbon on boreal spring climate in the Earth system. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5485-5503.	1.2	64
57	Evaluating the utility of satellite soil moisture retrievals over irrigated areas and the ability of land data assimilation methods to correct for unmodeled processes. Hydrology and Earth System Sciences, 2015, 19, 4463-4478.	1.9	134
58	The pattern across the continental United States of evapotranspiration variability associated with water availability. Frontiers in Earth Science, 2015, 3, .	0.8	12
59	The 2010 Russian drought impact on satellite measurements of solar-induced chlorophyll fluorescence: Insights from modeling and comparisons with parameters derived from satellite reflectances. Remote Sensing of Environment, 2015, 166, 163-177.	4.6	186
60	â€œEfficiency Spaceâ€: A Framework for Evaluating Joint Evaporation and Runoff Behavior*. Bulletin of the American Meteorological Society, 2015, 96, 393-396.	1.7	19
61	Interactive Vegetation Phenology, Soil Moisture, and Monthly Temperature Forecasts. Journal of Hydrometeorology, 2015, 16, 1456-1465.	0.7	17
62	Hydroclimatic Controls on the Means and Variability of Vegetation Phenology and Carbon Uptake. Journal of Climate, 2014, 27, 5632-5652.	1.2	19
63	Soil Moisture Initialization Error and Subgrid Variability of Precipitation in Seasonal Streamflow Forecasting. Journal of Hydrometeorology, 2014, 15, 69-88.	0.7	15
64	A Mechanism for Landâ€“Atmosphere Feedback Involving Planetary Wave Structures. Journal of Climate, 2014, 27, 9290-9301.	1.2	46
65	An updated treatment of soil texture and associated hydraulic properties in a global land modeling system. Journal of Advances in Modeling Earth Systems, 2014, 6, 957-979.	1.3	103
66	On the Role of SST Forcing in the 2011 and 2012 Extreme U.S. Heat and Drought: A Study in Contrasts. Journal of Hydrometeorology, 2014, 15, 1255-1273.	0.7	65
67	Northern Eurasian Heat Waves and Droughts. Journal of Climate, 2014, 27, 3169-3207.	1.2	178
68	Seasonal variation of landâ€“atmosphere coupling strength over the West African monsoon region in an atmospheric general circulation model. Hydrological Sciences Journal, 2013, 58, 1276-1286.	1.2	15
69	Inferring Soil Moisture Memory from Streamflow Observations Using a Simple Water Balance Model. Journal of Hydrometeorology, 2013, 14, 1773-1790.	0.7	36
70	Phenological versus meteorological controls on landâ€atmosphere water and carbon fluxes. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 14-29.	1.3	45
71	Rebound in Atmospheric Predictability and the Role of the Land Surface. Journal of Climate, 2012, 25, 4744-4749.	1.2	50
72	Land Surface Controls on Hydroclimatic Means and Variability. Journal of Hydrometeorology, 2012, 13, 1604-1620.	0.7	69

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73	A Revised Framework for Analyzing Soil Moisture Memory in Climate Data: Derivation and Interpretation. Journal of Hydrometeorology, 2012, 13, 404-412.	0.7	43
74	Correction to â€œInfluence of dust and black carbon on the snow albedo in the NASA Goddard Earth Observing System version 5 land surface modelâ€. Journal of Geophysical Research, 2012, 117, .	3.3	4
75	Soil Moisture, Snow, and Seasonal Streamflow Forecasts in the United States. Journal of Hydrometeorology, 2012, 13, 189-203.	0.7	113
76	Assimilation of GRACE terrestrial water storage into a land surface model: Evaluation and potential value for drought monitoring in western and central Europe. Journal of Hydrology, 2012, 446-447, 103-115.	2.3	154
77	Soil moisture effects on seasonal temperature and precipitation forecast scores in Europe. Climate Dynamics, 2012, 38, 349-362.	1.7	108
78	Influence of dust and black carbon on the snow albedo in the NASA Goddard Earth Observing System version 5 land surface model. Journal of Geophysical Research, 2011, 116, .	3.3	52
79	MERRA: NASAâ€™s Modern-Era Retrospective Analysis for Research and Applications. Journal of Climate, 2011, 24, 3624-3648.	1.2	4,118
80	Storm instigation from below. Nature Geoscience, 2011, 4, 427-428.	5.4	3
81	The Second Phase of the Global Landâ€“Atmosphere Coupling Experiment: Soil Moisture Contributions to Subseasonal Forecast Skill. Journal of Hydrometeorology, 2011, 12, 805-822.	0.7	296
82	Assessment and Enhancement of MERRA Land Surface Hydrology Estimates. Journal of Climate, 2011, 24, 6322-6338.	1.2	409
83	The Soil Moisture Active Passive (SMAP) Mission. Proceedings of the IEEE, 2010, 98, 704-716.	16.4	2,546
84	Skill in streamflow forecasts derived from large-scale estimates of soil moisture and snow. Nature Geoscience, 2010, 3, 613-616.	5.4	231
85	The Physical Mechanisms by Which the Leading Patterns of SST Variability Impact U.S. Precipitation. Journal of Climate, 2010, 23, 1815-1836.	1.2	43
86	Assimilation of Satellite-Derived Skin Temperature Observations into Land Surface Models. Journal of Hydrometeorology, 2010, 11, 1103-1122.	0.7	128
87	Contribution of land surface initialization to subseasonal forecast skill: First results from a multiâ€model experiment. Geophysical Research Letters, 2010, 37, .	1.5	330
88	Performance Metrics for Soil Moisture Retrievals and Application Requirements. Journal of Hydrometeorology, 2010, 11, 832-840.	0.7	391
89	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. Journal of Climate, 2009, 22, 5251-5272.	1.2	282
90	Multimodel Ensemble Reconstruction of Drought over the Continental United States. Journal of Climate, 2009, 22, 2694-2712.	1.2	153

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91	On the Nature of Soil Moisture in Land Surface Models. Journal of Climate, 2009, 22, 4322-4335.	1.2	490
92	Analyzing the Concurrence of Meteorological Droughts and Warm Periods, with Implications for the Determination of Evaporative Regime. Journal of Climate, 2009, 22, 3331-3341.	1.2	156
93	African Easterly Jet: Structure and Maintenance. Journal of Climate, 2009, 22, 4459-4480.	1.2	46
94	Role of Subsurface Physics in the Assimilation of Surface Soil Moisture Observations. Journal of Hydrometeorology, 2009, 10, 1534-1547.	0.7	178
95	Drought-Induced Warming in the Continental United States under Different SST Regimes. Journal of Climate, 2009, 22, 5385-5400.	1.2	16
96	Recent Advances in Land Data Assimilation at the NASA Global Modeling and Assimilation Office. , 2009, , 407-428.		17
97	A land surface data assimilation framework using the land information system: Description and applications. Advances in Water Resources, 2008, 31, 1419-1432.	1.7	182
98	The role of soil moisture initialization in subseasonal and seasonal streamflow prediction â€“ A case study in Sri Lanka. Advances in Water Resources, 2008, 31, 1333-1343.	1.7	42
99	Contribution of soil moisture retrievals to land data assimilation products. Geophysical Research Letters, 2008, 35, .	1.5	79
100	Potential Predictability of Long-Term Drought and Pluvial Conditions in the U.S. Great Plains. Journal of Climate, 2008, 21, 802-816.	1.2	70
101	Using Observed Spatial Correlation Structures to Increase the Skill of Subseasonal Forecasts. Monthly Weather Review, 2008, 136, 1923-1930.	0.5	4
102	Impact of Subsurface Temperature Variability on Surface Air Temperature Variability: An AGCM Study. Journal of Hydrometeorology, 2008, 9, 804-815.	0.7	28
103	MEETING SUMMARIES. Bulletin of the American Meteorological Society, 2007, 88, 1625-1634.	1.7	32
104	Estimation of Predictability with a Newly Derived Index to Quantify Similarity among Ensemble Members. Monthly Weather Review, 2007, 135, 2674-2687.	0.5	21
105	Comparison and assimilation of global soil moisture retrievals from the Advanced Microwave Scanning Radiometer for the Earth Observing System (AMSR-E) and the Scanning Multichannel Microwave Radiometer (SMMR). Journal of Geophysical Research, 2007, 112, .	3.3	301
106	Multiple spaceborne water cycle observations would aid modeling. Eos, 2006, 87, 149.	0.1	4
107	Revisiting a hydrological analysis framework with International Satellite Land Surface Climatology Project Initiative 2 rainfall, net radiation, and runoff fields. Journal of Geophysical Research, 2006, 111, .	3.3	27
108	GLACE: The Global Landâ€“Atmosphere Coupling Experiment. Part I: Overview. Journal of Hydrometeorology, 2006, 7, 590-610.	0.7	616

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109	GLACE: The Global Landâ€“Atmosphere Coupling Experiment. Part II: Analysis. Journal of Hydrometeorology, 2006, 7, 611-625.	0.7	337
110	Soil Moisture Memory in AGCM Simulations: Analysis of Global Landâ€“Atmosphere Coupling Experiment (GLACE) Data. Journal of Hydrometeorology, 2006, 7, 1090-1112.	0.7	257
111	Distinct Hydrological Signatures in Observed Historical Temperature Fields. Journal of Hydrometeorology, 2006, 7, 1061-1075.	0.7	22
112	Do Global Models Properly Represent the Feedback between Land and Atmosphere?. Journal of Hydrometeorology, 2006, 7, 1177-1198.	0.7	200
113	Improving Short-term Climate Forecasts with Satellite Observations. , 2006, , .		1
114	AGCM Biases in Evaporation Regime: Impacts on Soil Moisture Memory and Landâ€“Atmosphere Feedback. Journal of Hydrometeorology, 2005, 6, 656-669.	0.7	21
115	Global assimilation of satellite surface soil moisture retrievals into the NASA Catchment land surface model. Geophysical Research Letters, 2005, 32, .	1.5	202
116	Relevance of time-varying and time-invariant retrieval error sources on the utility of spaceborne soil moisture products. Geophysical Research Letters, 2005, 32, .	1.5	55
117	The hydrosphere State (hydros) Satellite mission: an Earth system pathfinder for global mapping of soil moisture and land freeze/thaw. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 2184-2195.	2.7	217
118	On the Cause of the 1930s Dust Bowl. Science, 2004, 303, 1855-1859.	6.0	494
119	Regions of Strong Coupling Between Soil Moisture and Precipitation. Science, 2004, 305, 1138-1140.	6.0	2,337
120	Bias reduction in short records of satellite soil moisture. Geophysical Research Letters, 2004, 31, .	1.5	482
121	Global Soil Moisture from Satellite Observations, Land Surface Models, and Ground Data: Implications for Data Assimilation. Journal of Hydrometeorology, 2004, 5, 430-442.	0.7	315
122	The RhÃ´ne-Aggregation Land Surface Scheme Intercomparison Project: An Overview. Journal of Climate, 2004, 17, 187-208.	1.2	178
123	Suggestions in the Observational Record of Landâ€“Atmosphere Feedback Operating at Seasonal Time Scales. Journal of Hydrometeorology, 2004, 5, 567-572.	0.7	30
124	Realistic Initialization of Land Surface States: Impacts on Subseasonal Forecast Skill. Journal of Hydrometeorology, 2004, 5, 1049-1063.	0.7	178
125	Causes of Long-Term Drought in the U.S. Great Plains. Journal of Climate, 2004, 17, 485-503.	1.2	307
126	Observational evidence that soil moisture variations affect precipitation. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	216

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127	Simulation of high-latitude hydrological processes in the Torneâ€“Kalix basin: PILPS Phase 2(e). Global and Planetary Change, 2003, 38, 55-71.	1.6	20
128	Intercomparison of Soil Moisture Memory in Two Land Surface Models. Journal of Hydrometeorology, 2003, 4, 1134-1146.	0.7	24
129	Assessing the Impact of Horizontal Error Correlations in Background Fields on Soil Moisture Estimation. Journal of Hydrometeorology, 2003, 4, 1229-1242.	0.7	121
130	Impact of Land Surface Initialization on Seasonal Precipitation and Temperature Prediction. Journal of Hydrometeorology, 2003, 4, 408-423.	0.7	118
131	Extended versus Ensemble Kalman Filtering for Land Data Assimilation. Journal of Hydrometeorology, 2002, 3, 728-740.	0.7	317
132	Comparing the Degree of Landâ€“Atmosphere Interaction in Four Atmospheric General Circulation Models. Journal of Hydrometeorology, 2002, 3, 363-375.	0.7	118
133	Representation of subsurface storm flow and a more responsive water table in a TOPMODEL-based hydrology model. Water Resources Research, 2002, 38, 31-1-31-16.	1.7	28
134	Influence of the Interannual Variability of Vegetation on the Surface Energy Balanceâ€”A Global Sensitivity Study. Journal of Hydrometeorology, 2002, 3, 617-629.	0.7	59
135	Comparing GCM-generated land surface water budgets using a simple common framework. Water Science and Application, 2001, , 95-105.	0.3	3
136	The Impact of Detailed Snow Physics on the Simulation of Snow Cover and Subsurface Thermodynamics at Continental Scales. Journal of Hydrometeorology, 2001, 2, 228-242.	0.7	118
137	Influence of Land Surface Fluxes on Precipitation: Inferences from Simulations Forced with Four ARMâ€“CART SCM Datasets. Journal of Climate, 2001, 14, 3666-3691.	1.2	11
138	Soil Moisture Memory in Climate Models. Journal of Hydrometeorology, 2001, 2, 558-570.	0.7	397
139	The Sensitivity of Surface Fluxes to Soil Water Content in Three Land Surface Schemes. Journal of Hydrometeorology, 2000, 1, 121-134.	0.7	121
140	Variance and Predictability of Precipitation at Seasonal-to-Interannual Timescales. Journal of Hydrometeorology, 2000, 1, 26-46.	0.7	389
141	The origin of Antarctic precipitation: a modelling approach. Tellus, Series B: Chemical and Physical Meteorology, 2000, 52, 19-36.	0.8	50
142	Water isotopes in precipitation:. Quaternary Science Reviews, 2000, 19, 363-379.	1.4	196
143	A catchment-based approach to modeling land surface processes in a general circulation model: 1. Model structure. Journal of Geophysical Research, 2000, 105, 24809-24822.	3.3	673
144	A catchment-based approach to modeling land surface processes in a general circulation model: 2. Parameter estimation and model demonstration. Journal of Geophysical Research, 2000, 105, 24823-24838.	3.3	226

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145	Validity of the isotopic thermometer in central Antarctica: Limited impact of glacial precipitation seasonality and moisture origin. Geophysical Research Letters, 2000, 27, 2677-2680.	1.5	45
146	Key results and implications from phase 1(c) of the Project for Intercomparison of Land-surface Parametrization Schemes. Climate Dynamics, 1999, 15, 673-684.	1.7	103
147	A catchment-based land surface model for GCMS and the framework for its evaluation. Physics and Chemistry of the Earth, 1999, 24, 769-773.	0.3	15
148	The Offline Validation of Land Surface Models. Journal of the Meteorological Society of Japan, 1999, 77, 257-263.	0.7	18
149	An Agenda for Land Surface Hydrology Research and a Call for the Second International Hydrological Decade. Bulletin of the American Meteorological Society, 1999, 80, 2043-2058.	1.7	188
150	A Simple Framework for Examining the Interannual Variability of Land Surface Moisture Fluxes. Journal of Climate, 1999, 12, 1911-1917.	1.2	248
151	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) Phase 2(c) Redâ€“Arkansas River basin experiment:. Global and Planetary Change, 1998, 19, 115-135.	1.6	265
152	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) Red-Arkansas River basin experiment:. Global and Planetary Change, 1998, 19, 137-159.	1.6	82
153	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) Redâ€“Arkansas River basin experiment:. Global and Planetary Change, 1998, 19, 161-179.	1.6	154
154	Deuterium excess in Greenland snow: Analysis with simple and complex models. Journal of Geophysical Research, 1998, 103, 8947-8953.	3.3	56
155	Sensitivity of Latent Heat Flux from PILPS Land-Surface Schemes to Perturbations of Surface Air Temperature. Journals of the Atmospheric Sciences, 1998, 55, 1909-1927.	0.6	38
156	Timescales of Land Surface Evapotranspiration Response. Journal of Climate, 1997, 10, 559-566.	1.2	38
157	Cabauw Experimental Results from the Project for Intercomparison of Land-Surface Parameterization Schemes. Journal of Climate, 1997, 10, 1194-1215.	1.2	296
158	The Interplay between Transpiration and Runoff Formulations in Land Surface Schemes Used with Atmospheric Models. Journal of Climate, 1997, 10, 1578-1591.	1.2	297
159	Validity of the temperature reconstruction from water isotopes in ice cores. Journal of Geophysical Research, 1997, 102, 26471-26487.	3.3	524
160	A reconsideration of the initial conditions used for stable water isotope models. Journal of Geophysical Research, 1996, 101, 22933-22938.	3.3	74
161	Snow Cover and Snow Mass Intercomparisons of General Circulation Models and Remotely Sensed Datasets. Journal of Climate, 1996, 9, 409-426.	1.2	143
162	The Influence of Land Surface Moisture Retention on Precipitation Statistics. Journal of Climate, 1996, 9, 2551-2567.	1.2	62

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163	The ISLSCP Initiative I Global Datasets: Surface Boundary Conditions and Atmospheric Forcings for Land-Atmosphere Studies. Bulletin of the American Meteorological Society, 1996, 77, 1987-2005.	1.7	99
164	Effect of a Canopy Interception Reservoir on Hydrological Persistence in a General Circulation Model. Journal of Climate, 1995, 8, 1917-1922.	1.2	27
165	Seasonal Precipitation Timing and Ice Core Records. Science, 1995, 269, 247-248.	6.0	27
166	Relative contributions of land and ocean processes to precipitation variability. Journal of Geophysical Research, 1995, 100, 13775.	3.3	121
167	The components of a â€˜SVATâ€™ scheme and their effects on a GCM's hydrological cycle. Advances in Water Resources, 1994, 17, 61-78.	1.7	96
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