

Paul A Dirmeyer

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.

185
papers

14,826
citations

58
h-index

119
g-index

198
ext. papers

16,618
ext. citations

4.8
avg, IF

6.55
L-index

#	Paper	IF	Citations
185	Drought self-propagation in drylands due to land-atmosphere feedbacks.. <i>Nature Geoscience</i> , 2022 , 15, 262-268	18.3	4
184	Land-Atmosphere Interactions Exacerbated the Drought and Heatwave Over Northern Europe During Summer 2018. <i>AGU Advances</i> , 2021 , 2, e2020AV000283	5.4	16
183	Nonlinearity and Multivariate Dependencies in the Terrestrial Leg of Land-Atmosphere Coupling. <i>Water Resources Research</i> , 2021 , 57, e2020WR028179	5.4	0
182	Semi-Coupling of a Field-Scale Resolving Land-Surface Model and WRF-LES to Investigate the Influence of Land-Surface Heterogeneity on Cloud Development. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2021MS002602	7.1	4
181	Drought Demise Attribution Over CONUS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031255	4.4	2
180	Reconciling the disagreement between observed and simulated temperature responses to deforestation. <i>Nature Communications</i> , 2020 , 11, 202	17.4	21
179	Current and Emerging Developments in Subseasonal to Decadal Prediction. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E869-E896	6.1	49
178	Windows of Opportunity for Skillful Forecasts Subseasonal to Seasonal and Beyond. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E608-E625	6.1	46
177	A Technique for Seamless Forecast Construction and Validation from Weather to Monthly Time Scales. <i>Monthly Weather Review</i> , 2020 , 148, 3589-3603	2.4	4
176	Impact of Land Initial States Uncertainty on Subseasonal Surface Air Temperature Prediction in CFSv2 Reforecasts. <i>Journal of Hydrometeorology</i> , 2020 , 21, 2101-2121	3.7	1
175	Sensitivity of U.S. Drought Prediction Skill to Land Initial States. <i>Journal of Hydrometeorology</i> , 2020 , 21, 2793-2811	3.7	2
174	Soil Evaporation Stress Determines Soil Moisture-Evapotranspiration Coupling Strength in Land Surface Modeling. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090391	4.9	10
173	Distinct Impacts of Land Use and Land Management on Summer Temperatures. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	3
172	The relative importance among anthropogenic forcings of land use/land cover change in affecting temperature extremes. <i>Climate Dynamics</i> , 2019 , 52, 2269-2285	4.2	15
171	Climatological influence of Eurasian winter surface conditions on the Asian and Indo-Pacific summer circulation in the NCEP CFSv2 seasonal reforecasts. <i>International Journal of Climatology</i> , 2019 , 39, 3431-3453	3.5	5
170	Convection Initiation in Climate Models Using the Heated Condensation Framework: A Review. <i>Springer Atmospheric Sciences</i> , 2019 , 51-70	0.7	
169	Differing Responses of the Diurnal Cycle of Land Surface and Air Temperatures to Deforestation. <i>Journal of Climate</i> , 2019 , 32, 7067-7079	4.4	6

168	The Influence of Summer Deep Soil Temperature on Early Winter Snow Conditions in Eurasia in the NCEP CFSv2 Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 9062-9077	4.4	6
167	Sensitivity of land precipitation to surface evapotranspiration: a nonlocal perspective based on water vapor transport. <i>Geophysical Research Letters</i> , 2019 , 46, 12588-12597	4.9	10
166	Bridging the Weather-to-Climate Prediction Gap. <i>Eos</i> , 2019 , 100,	1.5	2
165	Global observed and modelled impacts of irrigation on surface temperature. <i>International Journal of Climatology</i> , 2019 , 39, 2587-2600	3.5	17
164	Land Surface Processes Relevant to Sub-seasonal to Seasonal (S2S) Prediction 2019 , 165-181		9
163	Land-Atmosphere Interactions: The LoCo Perspective. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 1253-1272	6.1	140
162	Verification of land-atmosphere coupling in forecast models, reanalyses and land surface models using flux site observations. <i>Journal of Hydrometeorology</i> , 2018 , 19, 375-392	3.7	46
161	Effect of land model ensemble versus coupled model ensemble on the simulation of precipitation climatology and variability. <i>Theoretical and Applied Climatology</i> , 2018 , 134, 793-800	3	3
160	Moisture origin and transport processes in Colombia, northern South America. <i>Climate Dynamics</i> , 2018 , 50, 971-990	4.2	48
159	Information theoretic evaluation of satellite soil moisture retrievals. <i>Remote Sensing of Environment</i> , 2018 , 204, 392-400	13.2	54
158	Impact of Land Surface Initialization and Land-Atmosphere Coupling on the Prediction of the Indian Summer Monsoon with the CFSv2. <i>Frontiers in Environmental Science</i> , 2018 , 5,	4.8	9
157	Indications of Surface and Sub-Surface Hydrologic Properties from SMAP Soil Moisture Retrievals. <i>Hydrology</i> , 2018 , 5, 36	2.8	7
156	Thank You to Our 2017 Peer Reviewers. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 1735-1735		35
155	Evaluation of heat wave forecasts seamlessly across subseasonal timescales. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	15
154	On the Harvest of Predictability From Land States in a Global Forecast Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,111	4.4	20
153	Satellite and In Situ Observations for Advancing Global Earth Surface Modelling: A Review. <i>Remote Sensing</i> , 2018 , 10, 2038	5	60
152	Pairing FLUXNET sites to validate model representations of land-use/land-cover change. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 111-125	5.5	22
151	Climate research must sharpen its view. <i>Nature Climate Change</i> , 2017 , 7, 89-91	21.4	58

150	Impacts of Land-Use/Land-Cover Change on Afternoon Precipitation over North America. <i>Journal of Climate</i> , 2017 , 30, 2121-2140	4.4	28
149	Human-Water interface in hydrological modelling: current status and future directions. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 4169-4193	5.5	114
148	Hydroclimatic Variability and Predictability: A Survey of Recent Research. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3777-3798	5.5	21
147	Sensitivities of Land Cover-Precipitation Feedback to Convective Triggering. <i>Journal of Hydrometeorology</i> , 2017 , 18, 2265-2283	3.7	9
146	Reforecasting the ENSO Events in the Past 57 Years (1958-2014). <i>Journal of Climate</i> , 2017 , 30, 7669-7693	4.4	28
145	Application of the Land-Atmosphere Coupling Paradigm to the Operational Coupled Forecast System, Version 2 (CFSv2). <i>Journal of Hydrometeorology</i> , 2017 , 18, 85-108	3.7	29
144	Relation of Eurasian Snow Cover and Indian Summer Monsoon Rainfall: Importance of the Delayed Hydrological Effect. <i>Journal of Climate</i> , 2017 , 30, 1273-1289	4.4	44
143	Representing subgrid convective initiation in the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017 , 9, 1740-1758	7.1	8
142	The heated condensation framework as a convective trigger in the NCEP Climate Forecast System version 2. <i>Journal of Advances in Modeling Earth Systems</i> , 2016 , 8, 1310-1329	7.1	18
141	Role of ocean evaporation in California droughts and floods. <i>Geophysical Research Letters</i> , 2016 , 43, 6554-6562	4.5	24
140	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
139	The plumbing of land surface models: is poor performance a result of methodology or data quality?. <i>Journal of Hydrometeorology</i> , 2016 , 17, 1705-1723	3.7	33
138	Terrestrial contribution to the heterogeneity in hydrological changes under global warming. <i>Water Resources Research</i> , 2016 , 52, 3127-3142	5.4	47
137	Confronting weather and climate models with observational data from soil moisture networks over the United States. <i>Journal of Hydrometeorology</i> , 2016 , 17, 1049-1067	3.7	60
136	Projections of the shifting envelope of Water cycle variability. <i>Climatic Change</i> , 2016 , 136, 587-600	4.5	4
135	Investigating the impact of land-use land-cover change on Indian summer monsoon daily rainfall and temperature during 1951-2005 using a regional climate model. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 1765-1784	5.5	44
134	Sensitivity of Numerical Weather Forecasts to Initial Soil Moisture Variations in CFSv2. <i>Weather and Forecasting</i> , 2016 , 31, 1973-1983	2.1	35
133	Adapting observationally based metrics of biogeophysical feedbacks from land cover/land use change to climate modeling. <i>Environmental Research Letters</i> , 2016 , 11, 034002	6.2	70

132	Remote tropical and sub-tropical responses to Amazon deforestation. <i>Climate Dynamics</i> , 2016 , 46, 3057-3066	4.2	27
131	Diagnosing nonlinearities in the local and remote responses to partial Amazon deforestation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 9033-9047	4.4	3
130	Improvements in the representation of the Indian summer monsoon in the NCEP climate forecast system version 2. <i>Climate Dynamics</i> , 2015 , 45, 2485-2498	4.2	26
129	The Plumbing of Land Surface Models: Benchmarking Model Performance. <i>Journal of Hydrometeorology</i> , 2015 , 16, 1425-1442	3.7	150
128	Quantifying the Land-Atmosphere Coupling Behavior in Modern Reanalysis Products over the U.S. Southern Great Plains. <i>Journal of Climate</i> , 2015 , 28, 5813-5829	4.4	33
127	The Heated Condensation Framework. Part I: Description and Southern Great Plains Case Study. <i>Journal of Hydrometeorology</i> , 2015 , 16, 1929-1945	3.7	25
126	Revisiting trends in wetness and dryness in the presence of internal climate variability and water limitations over land. <i>Geophysical Research Letters</i> , 2015 , 42, 10,867	4.9	42
125	The Heated Condensation Framework. Part II: Climatological Behavior of Convective Initiation and Land-Atmosphere Coupling over the Conterminous United States. <i>Journal of Hydrometeorology</i> , 2015 , 16, 1946-1961	3.7	21
124	Sensitivity of the mean and variability of Indian summer monsoon to land surface schemes in RegCM4: Understanding coupled land-atmosphere feedbacks. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 9437-9458	4.4	31
123	Climate response to Amazon forest replacement by heterogeneous crop cover. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 4547-4557	5.5	28
122	Changes in Seasonal Predictability due to Global Warming. <i>Journal of Climate</i> , 2014 , 27, 300-311	4.4	14
121	Land cover changes and their biogeophysical effects on climate. <i>International Journal of Climatology</i> , 2014 , 34, 929-953	3.5	410
120	Usefulness of ensemble forecasts from NCEP Climate Forecast System in sub-seasonal to intra-annual forecasting. <i>Geophysical Research Letters</i> , 2014 , 41, 3586-3593	4.9	11
119	Effects of realistic land surface initializations on subseasonal to seasonal soil moisture and temperature predictability in North America and in changing climate simulated by CCSM4. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 13,250-13,270	4.4	11
118	Intensified land surface control on boundary layer growth in a changing climate. <i>Geophysical Research Letters</i> , 2014 , 41, 1290-1294	4.9	43
117	A process-based framework for quantifying the atmospheric preconditioning of surface-triggered convection. <i>Geophysical Research Letters</i> , 2014 , 41, 173-178	4.9	52
116	HESS Opinions "A perspective on isotope versus non-isotope approaches to determine the contribution of transpiration to total evaporation". <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2815-2827	5.5	68
115	Climate change and sectors of the surface water cycle In CMIP5 projections. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 5317-5329	5.5	6

114	Comparing Evaporative Sources of Terrestrial Precipitation and Their Extremes in MERRA Using Relative Entropy. <i>Journal of Hydrometeorology</i> , 2014 , 15, 102-116	3.7	34
113	Less reliable water availability in the 21st century climate projections. <i>Earths Future</i> , 2014 , 2, 152-160	7.9	38
112	Characteristics of the water cycle and land-atmosphere interactions from a comprehensive reforecast and reanalysis data set: CFSv2. <i>Climate Dynamics</i> , 2013 , 41, 1083-1097	4.2	25
111	Snow-Atmosphere Coupling Strength. Part II: Albedo Effect Versus Hydrological Effect. <i>Journal of Hydrometeorology</i> , 2013 , 14, 404-418	3.7	30
110	Snow-Atmosphere Coupling Strength. Part I: Effect of Model Biases. <i>Journal of Hydrometeorology</i> , 2013 , 14, 389-403	3.7	12
109	Interannual Variability of Land-Atmosphere Coupling Strength. <i>Journal of Hydrometeorology</i> , 2013 , 14, 1636-1646	3.7	56
108	Impacts of snow cover fraction data assimilation on modeled energy and moisture budgets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 7489-7504	4.4	24
107	Trends in Land-Atmosphere Interactions from CMIP5 Simulations. <i>Journal of Hydrometeorology</i> , 2013 , 14, 829-849	3.7	118
106	Multidecadal Climate Variability and the Warming Hole in North America: Results from CMIP5 Twentieth- and Twenty-First-Century Climate Simulations*. <i>Journal of Climate</i> , 2013 , 26, 3511-3527	4.4	60
105	Land use/cover change impacts in CMIP5 climate simulations: A new methodology and 21st century challenges. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 6337-6353	4.4	57
104	Evolving Land-Atmosphere Interactions over North America from CMIP5 Simulations. <i>Journal of Climate</i> , 2013 , 26, 7313-7327	4.4	32
103	Where Does the Irrigation Water Go? An Estimate of the Contribution of Irrigation to Precipitation Using MERRA. <i>Journal of Hydrometeorology</i> , 2013 , 14, 275-289	3.7	80
102	Model Estimates of Land-Driven Predictability in a Changing Climate from CCSM4. <i>Journal of Climate</i> , 2013 , 26, 8495-8512	4.4	25
101	Revolutionizing Climate Modeling with Project Athena: A Multi-Institutional, International Collaboration. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 231-245	6.1	71
100	Benchmark products for land evapotranspiration: LandFlux-EVAL multi-data set synthesis. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 3707-3720	5.5	253
99	Water vapor sources for Yangtze River Valley rainfall: Climatology, variability, and implications for rainfall forecasting. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		67
98	Dissecting soil moisture-precipitation coupling. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	63
97	Simulating the diurnal cycle of rainfall in global climate models: resolution versus parameterization. <i>Climate Dynamics</i> , 2012 , 39, 399-418	4.2	160

96	Evidence for Enhanced Land-Atmosphere Feedback in a Warming Climate. <i>Journal of Hydrometeorology</i> , 2012 , 13, 981-995	3.7	84
95	Rebound in Atmospheric Predictability and the Role of the Land Surface. <i>Journal of Climate</i> , 2012 , 25, 4744-4749	4.4	44
94	Effects of land cover change on moisture availability and potential crop yield in the world's breadbaskets. <i>Environmental Research Letters</i> , 2012 , 7, 014009	6.2	57
93	Evaluation of global observations-based evapotranspiration datasets and IPCC AR4 simulations. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	267
92	Global intercomparison of 12 land surface heat flux estimates. <i>Journal of Geophysical Research</i> , 2011 , 116,		271
91	Snow-atmosphere coupling strength in a global atmospheric model. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	56
90	The terrestrial segment of soil moisture-climate coupling. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	213
89	Land surface impacts on subseasonal and seasonal predictability. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	55
88	Limits to the Impact of Empirical Correction on Simulation of the Water Cycle. <i>Journal of Hydrometeorology</i> , 2011 , 12, 650-662	3.7	
87	Land-Atmosphere Coupling Strength in the Global Forecast System. <i>Journal of Hydrometeorology</i> , 2011 , 12, 147-156	3.7	21
86	Observed and simulated water and energy budget components at SCAN sites in the lower Mississippi Basin. <i>Hydrological Processes</i> , 2011 , 25, 634-649	3.3	6
85	A History and Review of the Global Soil Wetness Project (GSWP). <i>Journal of Hydrometeorology</i> , 2011 , 12, 729-749	3.7	60
84	The Second Phase of the Global Land-Atmosphere Coupling Experiment: Soil Moisture Contributions to Subseasonal Forecast Skill. <i>Journal of Hydrometeorology</i> , 2011 , 12, 805-822	3.7	242
83	Acceleration of Land Surface Model Development over a Decade of Glass. <i>Bulletin of the American Meteorological Society</i> , 2011 , 92, 1593-1600	6.1	68
82	Floods over the U.S. Midwest: A Regional Water Cycle Perspective. <i>Journal of Hydrometeorology</i> , 2010 , 11, 1172-1181	3.7	67
81	How Much Do Different Land Models Matter for Climate Simulation? Part II: A Decomposed View of the Land-Atmosphere Coupling Strength. <i>Journal of Climate</i> , 2010 , 23, 3135-3145	4.4	24
80	How Much Do Different Land Models Matter for Climate Simulation? Part I: Climatology and Variability. <i>Journal of Climate</i> , 2010 , 23, 3120-3134	4.4	34
79	Contribution of land surface initialization to subseasonal forecast skill: First results from a multi-model experiment. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	280

78	Toward understanding the large-scale land-atmosphere coupling in the models: Roles of different processes. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	25
77	The Sensitivity of Simulated River Discharge to Land Surface Representation and Meteorological Forcings. <i>Journal of Hydrometeorology</i> , 2010 , 11, 334-351	3.7	38
76	Detection and attribution of anthropogenic forcing to diurnal temperature range changes from 1950 to 1999: comparing multi-model simulations with observations. <i>Climate Dynamics</i> , 2010 , 35, 1289-1307	4.2	68
75	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
74	Land-caused uncertainties in climate change simulations: a study with the COLA AGCM. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010 , 136, 819-824	6.4	7
73	Air, Sea, and Land Interactions of the Continental U.S. Hydroclimate. <i>Journal of Hydrometeorology</i> , 2009 , 10, 353-373	3.7	10
72	On the Nature of Soil Moisture in Land Surface Models. <i>Journal of Climate</i> , 2009 , 22, 4322-4335	4.4	387
71	A New Method for Exploring Coupled Land-Atmosphere Dynamics. <i>Journal of Hydrometeorology</i> , 2009 , 10, 1040-1050	3.7	4
70	Import and export of atmospheric water vapor between nations. <i>Journal of Hydrology</i> , 2009 , 365, 11-22	6	72
69	Precipitation, Recycling, and Land Memory: An Integrated Analysis. <i>Journal of Hydrometeorology</i> , 2009 , 10, 278-288	3.7	234
68	The Maya Express—Floods in the U.S. Midwest. <i>Eos</i> , 2009 , 90, 101-102	1.5	53
67	Spatiotemporal patterns of changes in maximum and minimum temperatures in multi-model simulations. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	34
66	High-performance land surface modeling with a Linux cluster. <i>Computers and Geosciences</i> , 2008 , 34, 1492-1504	4.5	12
65	Asymmetric response of maximum and minimum temperatures to soil emissivity change over the Northern African Sahel in a GCM. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	14
64	A study of land surface processes using land surface models over the Little River Experimental Watershed, Georgia. <i>Journal of Geophysical Research</i> , 2008 , 113,		15
63	Sensitivities of soil wetness simulation to uncertainties in precipitation and radiation. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	23
62	Sensitivity of Land Surface Simulations to the Treatment of Vegetation Properties and the Implications for Seasonal Climate Prediction. <i>Journal of Hydrometeorology</i> , 2008 , 9, 348-366	3.7	8
61	Empirical Correction of a Coupled Land-Atmosphere Model. <i>Monthly Weather Review</i> , 2008 , 136, 4063-4076	4.6	18

60	Evaluation of AMSR-E soil moisture results using the in-situ data over the Little River Experimental Watershed, Georgia. <i>Remote Sensing of Environment</i> , 2008 , 112, 3142-3152	13.2	56
59	Improving the quality of simulated soil moisture with a multi-model ensemble approach. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007 , 133, 731-747	6.4	66
58	Validating and understanding the ENSO simulation in two coupled climate models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007 , 59, 292-308	2	27
57	High-performance Earth system modeling with NASA/GSFC's Land Information System. <i>Innovations in Systems and Software Engineering</i> , 2007 , 3, 157-165	1.1	143
56	Characterization of the Global Hydrologic Cycle from a Back-Trajectory Analysis of Atmospheric Water Vapor. <i>Journal of Hydrometeorology</i> , 2007 , 8, 20-37	3.7	179
55	GSWP-2: Multimodel Analysis and Implications for Our Perception of the Land Surface. <i>Bulletin of the American Meteorological Society</i> , 2006 , 87, 1381-1398	6.1	518
54	Evidence for trends in the Northern Hemisphere water cycle. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	23
53	Comparison of ERA40 and NCEP/DOE near-surface data sets with other ISLSCP-II data sets. <i>Journal of Geophysical Research</i> , 2006 , 111,		82
52	Evaluation of the Second Global Soil Wetness Project soil moisture simulations: 1. Intermodel comparison. <i>Journal of Geophysical Research</i> , 2006 , 111,		31
51	ISLSCP Initiative II global data sets: Surface boundary conditions and atmospheric forcings for land-atmosphere studies. <i>Journal of Geophysical Research</i> , 2006 , 111,		58
50	Evaluation of the Second Global Soil Wetness Project soil moisture simulations: 2. Sensitivity to external meteorological forcing. <i>Journal of Geophysical Research</i> , 2006 , 111,		42
49	GLACE: The Global Land-Atmosphere Coupling Experiment. Part I: Overview. <i>Journal of Hydrometeorology</i> , 2006 , 7, 590-610	3.7	525
48	A Multimodel Analysis, Validation, and Transferability Study of Global Soil Wetness Products. <i>Journal of Hydrometeorology</i> , 2006 , 7, 1218-1236	3.7	34
47	GLACE: The Global Land-Atmosphere Coupling Experiment. Part II: Analysis. <i>Journal of Hydrometeorology</i> , 2006 , 7, 611-625	3.7	287
46	Soil Moisture Memory in AGCM Simulations: Analysis of Global Land-Atmosphere Coupling Experiment (GLACE) Data. <i>Journal of Hydrometeorology</i> , 2006 , 7, 1090-1112	3.7	212
45	The Hydrologic Feedback Pathway for Land-Climate Coupling. <i>Journal of Hydrometeorology</i> , 2006 , 7, 857-867	3.7	50
44	Do Global Models Properly Represent the Feedback between Land and Atmosphere?. <i>Journal of Hydrometeorology</i> , 2006 , 7, 1177-1198	3.7	180
43	Land information system: An interoperable framework for high resolution land surface modeling. <i>Environmental Modelling and Software</i> , 2006 , 21, 1402-1415	5.2	400

42	The Land Surface Contribution to the Potential Predictability of Boreal Summer Season Climate. <i>Journal of Hydrometeorology</i> , 2005 , 6, 618-632	3-7	35
41	Comparison, Validation, and Transferability of Eight Multiyear Global Soil Wetness Products. <i>Journal of Hydrometeorology</i> , 2004 , 5, 1011-1033	3-7	105
40	Regions of strong coupling between soil moisture and precipitation. <i>Science</i> , 2004 , 305, 1138-40	33-3	1939
39	Pattern and trend analysis of temperature in a set of seasonal ensemble simulations. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4-9	5
38	The Rhine-Aggregation Land Surface Scheme Intercomparison Project: An Overview. <i>Journal of Climate</i> , 2004 , 17, 187-208	4-4	161
37	Flux Replacement as a Method to Diagnose Coupled Land-Atmosphere Model Feedback. <i>Journal of Hydrometeorology</i> , 2004 , 5, 1034-1048	3-7	12
36	References Part D. <i>Global Change - the IGBP Series</i> , 2004 , 465-479		
35	References Part A. <i>Global Change - the IGBP Series</i> , 2004 , 137-153		
34	References Part C. <i>Global Change - the IGBP Series</i> , 2004 , 291-295		
33	The Sahelian Climate. <i>Global Change - the IGBP Series</i> , 2004 , 59-77		17
32	Dynamic Downscaling of Seasonal Simulations over South America. <i>Journal of Climate</i> , 2003 , 16, 103-117	4-4	67
31	Interannual variability of surface evaporative moisture sources of warm-season precipitation in the Mississippi River basin. <i>Journal of Geophysical Research</i> , 2003 , 108, GCP 7-1-GCP 7-12		12
30	The Common Land Model. <i>Bulletin of the American Meteorological Society</i> , 2003 , 84, 1013-1024	6-1	897
29	Low Skill in Dynamical Prediction of Boreal Summer Climate: Grounds for Looking beyond Sea Surface Temperature. <i>Journal of Climate</i> , 2003 , 16, 995-1002	4-4	33
28	The Role of the Land Surface Background State in Climate Predictability. <i>Journal of Hydrometeorology</i> , 2003 , 4, 599-610	3-7	44
27	Modeling the Effect of Land Surface Evaporation Variability on Precipitation Variability. Part II: Time- and Space-Scale structure. <i>Journal of Hydrometeorology</i> , 2002 , 3, 451-466	3-7	7
26	Comparing the Degree of Land-Atmosphere Interaction in Four Atmospheric General Circulation Models. <i>Journal of Hydrometeorology</i> , 2002 , 3, 363-375	3-7	100
25	A comparative study of two land surface schemes in regional climate integrations over South America. <i>Journal of Geophysical Research</i> , 2002 , 107, LBA 48-1		8

24	Regional simulation of interannual variability over South America. <i>Journal of Geophysical Research</i> , 2002 , 107, LBA 3-1		18
23	Modeling the Effect of Land Surface Evaporation Variability on Precipitation Variability. Part I: General Response. <i>Journal of Hydrometeorology</i> , 2002 , 3, 433-450	3.7	12
22	An Evaluation of the Strength of Land-Atmosphere Coupling. <i>Journal of Hydrometeorology</i> , 2001 , 2, 329-344	3.7	30
21	Climate Drift in a Coupled Land-Atmosphere Model. <i>Journal of Hydrometeorology</i> , 2001 , 2, 89-100	3.7	25
20	Biogeophysical impacts of land use on present-day climate: near-surface temperature change and radiative forcing. <i>Atmospheric Science Letters</i> , 2001 , 2, 1-8	2.4	16
19	Modeling Root Water Uptake in Hydrological and Climate Models. <i>Bulletin of the American Meteorological Society</i> , 2001 , 82, 2797-2809	6.1	282
18	Comparing GCM-generated land surface water budgets using a simple common framework. <i>Water Science and Application</i> , 2001 , 95-105		3
17	A 36-yr Climatological Description of the Evaporative Sources of Warm-Season Precipitation in the Mississippi River Basin. <i>Journal of Hydrometeorology</i> , 2001 , 2, 537-557	3.7	78
16	Using a Global Soil Wetness Dataset to Improve Seasonal Climate Simulation. <i>Journal of Climate</i> , 2000 , 13, 2900-2922	4.4	175
15	The Sensitivity of Surface Fluxes to Soil Water Content in Three Land Surface Schemes. <i>Journal of Hydrometeorology</i> , 2000 , 1, 121-134	3.7	95
14	Modeling the effects of vegetation on Mediterranean climate during the Roman Classical Period Part I: Climate history and model sensitivity. <i>Global and Planetary Change</i> , 2000 , 25, 163-184	4.2	101
13	Contrasting evaporative moisture sources during the drought of 1988 and the flood of 1993. <i>Journal of Geophysical Research</i> , 1999 , 104, 19383-19397		159
12	The Pilot Phase of the Global Soil Wetness Project. <i>Bulletin of the American Meteorological Society</i> , 1999 , 80, 851-878	6.1	264
11	Precipitation Infiltration in the Simplified SiB Land Surface Scheme. <i>Journal of the Meteorological Society of Japan</i> , 1999 , 77, 291-303	2.8	28
10	Assessing GCM Sensitivity to Soil Wetness Using GSWP Data. <i>Journal of the Meteorological Society of Japan</i> , 1999 , 77, 367-385	2.8	35
9	Assessment of Annual Runoff from Land Surface Models Using Total Runoff Integrating Pathways (TRIP). <i>Journal of the Meteorological Society of Japan</i> , 1999 , 77, 235-255	2.8	208
8	Land-sea geometry and its effect on monsoon circulations. <i>Journal of Geophysical Research</i> , 1998 , 103, 11555-11572		21
7	Validating Estimates of Land Surface Parameterizations by Annual Discharge using Total Runoff Integrating Pathways.. <i>Suimon Mizu Shigen Gakkaishi</i> , 1997 , 10, 416-425	0.2	12

6	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
5	The effect on regional and global climate of expansion of the world's deserts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1996 , 122, 451-482	6.4	49
4	The effect on regional and global climate of expansion of the world's deserts 1996 , 122, 451		1
3	Albedo as a modulator of climate response to tropical deforestation. <i>Journal of Geophysical Research</i> , 1994 , 99, 20863		119
2	Interannual variability over the eastern North Atlantic Ocean: Chemical and meteorological evidence for tropical influence on regional-scale transport in the extratropics. <i>Journal of Geophysical Research</i> , 1994 , 99, 22923		16
1	Vegetation Stress as a Feedback Mechanism in Midlatitude Drought. <i>Journal of Climate</i> , 1994 , 7, 1463-1483		73