

# Justin Sheffield

## List of Publications by Year in descending order

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190  
papers

31,492  
citations

6442

81  
h-index

4731

170  
g-index

241  
all docs

241  
docs citations

241  
times ranked

29037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global-scale evaluation of precipitation datasets for hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2024, 28, 3099-3118.	5.0	0
2	An enhanced Standardized Precipitation–Evapotranspiration Index (SPEI) drought-monitoring method integrating land surface characteristics. <i>Earth System Dynamics</i> , 2024, 15, 1277-1300.	7.0	0
3	Machine–Learning Based Multi–Layer Soil Moisture Forecasts–An Application Case Study of the Montana 2017 Flash Drought. <i>Water Resources Research</i> , 2024, 60, .	4.2	0
4	A global transition to flash droughts under climate change. <i>Science</i> , 2023, 380, 187-191.	20.9	200
5	Multicriteria land cover design via coupled hydrologic and multi-sector water management models. <i>Journal of Hydrology</i> , 2023, 620, 129294.	5.6	1
6	Linking household access to food and social capital typologies in Phalombe District, Malawi. <i>Sustainability Science</i> , 2023, 18, 1721-1737.	5.0	4
7	Improving generalisability and transferability of machine-learning-based maize yield prediction model through domain adaptation. <i>Agricultural and Forest Meteorology</i> , 2023, 341, 109652.	4.8	10
8	Menggali dan Membangun Keunggulan Kompetitif Melalui Kearifan Lokal Masyarakat Ciptagelar, Sukabumi, Provinsi Jawa Barat. <i>Indonesian Journal of Society Engagement</i> , 2023, 4, .	0.1	0
9	Legal Effects of the Ratification of the Job Creation Law on the Existence of Psychics and Shamans as Medical Personnel. <i>Justice Voice</i> , 2023, 2, 37-44.	0.4	0
10	Early season prediction of within-field crop yield variability by assimilating CubeSat data into a crop model. <i>Agricultural and Forest Meteorology</i> , 2022, 313, 108736.	4.8	50
11	Comparison of hydrological and vegetation remote sensing datasets as proxies for rainfed maize yield in Malawi. <i>Agricultural Water Management</i> , 2022, 262, 107375.	5.7	14
12	Performance of State-of-the-Art C3S European Seasonal Climate Forecast Models for Mean and Extreme Precipitation Over Africa. <i>Water Resources Research</i> , 2022, 58, .	4.2	8
13	Increased flooded area and exposure in the White Volta river basin in Western Africa, identified from multi-source remote sensing data. <i>Scientific Reports</i> , 2022, 12, 3701.	3.4	19
14	Multi-variable assimilation into a modified AquaCrop model for improved maize simulation without management or crop phenology information. <i>Agricultural Water Management</i> , 2022, 266, 107576.	5.7	12
15	Maize Yield Estimation in Intercropped Smallholder Fields Using Satellite Data in Southern Malawi. <i>Remote Sensing</i> , 2022, 14, 2458.	4.1	15
16	Dynamic multi-dimensional identification of Yunnan droughts and its seasonal scale linkages to the El Niño–Southern Oscillation. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101128.	2.5	1
17	Variability and changes in hydrological drought in the Volta Basin, West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101143.	2.5	8
18	High–Resolution Soil Moisture Data Reveal Complex Multi–Scale Spatial Variability Across the United States. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	12

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19	Deforestation-induced warming over tropical mountain regions regulated by elevation. <i>Nature Geoscience</i> , 2021, 14, 23-29.	11.9	85
20	Satellite Flood Inundation Assessment and Forecast Using SMAP and Landsat. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 6707-6715.	4.9	22
21	Evaluation of 18 satellite- and model-based soil moisture products using in situ measurements from 826 sensors. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 17-40.	5.0	175
22	Multifaceted characteristics of dryland aridity changes in a warming world. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 232-250.	20.6	339
23	Field-scale soil moisture bridges the spatial-scale gap between drought monitoring and agricultural yields. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1827-1847.	5.0	23
24	Synergistic Satellite Assessment of Global Vegetation Health in Relation to ENSO-induced Droughts and Pluvials. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006006.	3.0	5
25	Crop-specific exposure to extreme temperature and moisture for the globe for the last half century. <i>Environmental Research Letters</i> , 2021, 16, 064006.	5.3	21
26	Assimilation of soil moisture and canopy cover data improves maize simulation using an under-calibrated crop model. <i>Agricultural Water Management</i> , 2021, 252, 106884.	5.7	36
27	Assessment of <sc>CHADFDM</sc> satellite-based input dataset for the groundwater recharge estimation in arid and data scarce regions. <i>Hydrological Processes</i> , 2021, 35, e14250.	2.6	2
28	Global sensitivity analysis of crop yield and transpiration from the FAO-AquaCrop model for dryland environments. <i>Field Crops Research</i> , 2021, 269, 108182.	5.2	17
29	Recent changes in cropland area and productivity indicate unsustainable cropland expansion in Malawi. <i>Environmental Research Letters</i> , 2021, 16, 084052.	5.3	23
30	Exploring the Capability of Natural Flood Management Approaches in Groundwater-Dominated Chalk Streams. <i>Water (Switzerland)</i> , 2021, 13, 2212.	2.8	5
31	Strengthening Flood and Drought Risk Management Tools for the Lake Chad Basin. , 2021, , 387-405.		2
32	SMAP-HydroBlocks, a 30-m satellite-based soil moisture dataset for the conterminous US. <i>Scientific Data</i> , 2021, 8, 264.	5.4	37
33	Bias Correction of Global High-Resolution Precipitation Climatologies Using Streamflow Observations from 9372 Catchments. <i>Journal of Climate</i> , 2020, 33, 1299-1315.	4.2	105
34	Farmer forecasts: Impacts of seasonal rainfall expectations on agricultural decision-making in Sub-Saharan Africa. <i>Climate Risk Management</i> , 2020, 30, 100247.	3.4	36
35	Lagged Compound Occurrence of Droughts and Pluvials Globally Over the Past Seven Decades. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087924.	4.0	109
36	A global near-real-time soil moisture index monitor for food security using integrated SMOS and SMAP. <i>Remote Sensing of Environment</i> , 2020, 246, 111864.	11.1	43

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37	Identification of uncertainty sources in quasi-global discharge and inundation simulations using satellite-based precipitation products. <i>Journal of Hydrology</i> , 2020, 589, 125180.	5.6	11
38	Combining hyper-resolution land surface modeling with SMAP brightness temperatures to obtain 30-m soil moisture estimates. <i>Remote Sensing of Environment</i> , 2020, 242, 111740.	11.1	67
39	Short communication: reproductive response to concentrate supplementation of mixed-breed goats on rangeland. <i>Tropical Animal Health and Production</i> , 2020, 52, 2737-2741.	1.4	10
40	Contrasting Influences of Human Activities on Hydrological Drought Regimes Over China Based on High-Resolution Simulations. <i>Water Resources Research</i> , 2020, 56, e2019WR025843.	4.2	70
41	Streamflow prediction in geographically ungauged basins using satellite observations and regionalization at subcontinental scale. <i>Journal of Hydrology</i> , 2020, 588, 125016.	5.6	19
42	Projected Seasonal Changes in Large-Scale Global Precipitation and Temperature Extremes Based on the CMIP5 Ensemble. <i>Journal of Climate</i> , 2020, 33, 5651-5671.	4.2	40
43	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. <i>Earth System Science Data</i> , 2020, 12, 1295-1320.	8.9	38
44	Long-term, non-anthropogenic groundwater storage changes simulated by three global-scale hydrological models. <i>Scientific Reports</i> , 2019, 9, 10746.	3.4	44
45	Integrated approaches to understanding and reducing drought impact on food security across scales. <i>Current Opinion in Environmental Sustainability</i> , 2019, 40, 43-54.	6.6	74
46	Anthropogenic shift towards higher risk of flash drought over China. <i>Nature Communications</i> , 2019, 10, 4661.	13.2	274
47	Solar and wind energy enhances drought resilience and groundwater sustainability. <i>Nature Communications</i> , 2019, 10, 4893.	13.2	41
48	Determinants of the ratio of actual to potential evapotranspiration. <i>Global Change Biology</i> , 2019, 25, 1326-1343.	9.7	43
49	Cognitive Biases about Climate Variability in Smallholder Farming Systems in Zambia. <i>Weather, Climate, and Society</i> , 2019, 11, 369-383.	2.2	30
50	Historic and Projected Changes in Coupling Between Soil Moisture and Evapotranspiration (ET) in CMIP5 Models Confounded by the Role of Different ET Components. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5791-5806.	3.3	17
51	Reduced Moisture Transport Linked to Drought Propagation Across North America. <i>Geophysical Research Letters</i> , 2019, 46, 5243-5253.	4.0	69
52	Development and Evaluation of a Pan-European Multimodel Seasonal Hydrological Forecasting System. <i>Journal of Hydrometeorology</i> , 2019, 20, 99-115.	3.6	53
53	Multi-model ensemble projections of European river floods and high flows at 1.5, 2, and 3 degrees global warming. <i>Environmental Research Letters</i> , 2018, 13, 014003.	5.3	107
54	Anthropogenic warming exacerbates European soil moisture droughts. <i>Nature Climate Change</i> , 2018, 8, 421-426.	14.3	475

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55	Climate Change and Drought: the Soil Moisture Perspective. <i>Current Climate Change Reports</i> , 2018, 4, 180-191.	9.2	199
56	Soil Moisture–Evapotranspiration Coupling in CMIP5 Models: Relationship with Simulated Climate and Projections. <i>Journal of Climate</i> , 2018, 31, 4865-4878.	4.2	48
57	Bias Correction of Historical and Future Simulations of Precipitation and Temperature for China from CMIP5 Models. <i>Journal of Hydrometeorology</i> , 2018, 19, 609-623.	3.6	78
58	Shifts in tree functional composition amplify the response of forest biomass to climate. <i>Nature</i> , 2018, 556, 99-102.	36.2	105
59	A large-area, spatially continuous assessment of land cover map error and its impact on downstream analyses. <i>Global Change Biology</i> , 2018, 24, 322-337.	9.7	43
60	Broad threat to humanity from cumulative climate hazards intensified by greenhouse gas emissions. <i>Nature Climate Change</i> , 2018, 8, 1062-1071.	14.3	424
61	Response of electricity sector air pollution emissions to drought conditions in the western United States. <i>Environmental Research Letters</i> , 2018, 13, 124032.	5.3	22
62	Satellite Remote Sensing for Water Resources Management: Potential for Supporting Sustainable Development in Data-Poor Regions. <i>Water Resources Research</i> , 2018, 54, 9724-9758.	4.2	287
63	A Climate Data Record (CDR) for the global terrestrial water budget: 1984–2010. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 241-263.	5.0	97
64	Evapotranspiration simulations in ISIMIP2—Evaluation of spatio-temporal characteristics with a comprehensive ensemble of independent datasets. <i>Environmental Research Letters</i> , 2018, 13, 075001.	5.3	43
65	Comparing empirical and survey-based yield forecasts in a dryland agro-ecosystem. <i>Agricultural and Forest Meteorology</i> , 2018, 262, 147-156.	4.8	17
66	Climate change alters low flows in Europe under global warming of 1.5, 2, and 3°C. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1017-1032.	5.0	151
67	Drivers of Variability in Atmospheric Evaporative Demand: Multiscale Spectral Analysis Based on Observations and Physically Based Modeling. <i>Water Resources Research</i> , 2018, 54, 3510-3529.	4.2	21
68	Intensification of hydrological drought in California by human water management. <i>Geophysical Research Letters</i> , 2017, 44, 1777-1785.	4.0	111
69	Spatiotemporal dynamics of global drought. <i>Geophysical Research Letters</i> , 2017, 44, 2254-2263.	4.0	138
70	Uncertainties in Future Projections of Summer Droughts and Heat Waves over the Contiguous United States. <i>Journal of Climate</i> , 2017, 30, 6225-6246.	4.2	37
71	Divergent surface and total soil moisture projections under global warming. <i>Geophysical Research Letters</i> , 2017, 44, 236-244.	4.0	221
72	Historical effects of CO <sub>2</sub> and climate trends on global crop water demand. <i>Nature Climate Change</i> , 2017, 7, 901-905.	14.3	21

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73	Development and Application of Improved Long-Term Datasets of Surface Hydrology for Texas. <i>Advances in Meteorology</i> , 2017, 2017, 1-13.	1.7	6
74	Continuous and consistent land use/cover change estimates using socio-ecological data. <i>Earth System Dynamics</i> , 2017, 8, 55-73.	7.0	6
75	Nonstationarity of low flows and their timing in the eastern United States. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 633-649.	5.0	46
76	LS3MIP (v1.0) contribution to CMIP6: the Land Surface, Snow and Soil moisture Model Intercomparison Project – aims, setup and expected outcome. <i>Geoscientific Model Development</i> , 2016, 9, 2809-2832.	3.7	160
77	Impacts of recent drought and warm years on water resources and electricity supply worldwide. <i>Environmental Research Letters</i> , 2016, 11, 124021.	5.3	91
78	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3631-3650.	5.0	312
79	Climate-driven shifts in continental net primary production implicated as a driver of a recent abrupt increase in the land carbon sink. <i>Biogeosciences</i> , 2016, 13, 1597-1607.	3.4	14
80	Terrestrial Precipitation Analysis (<sc>TPA</sc>): A resource for characterizing long-term precipitation regimes and extremes. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1396-1401.	5.3	24
81	Depiction of drought over sub-Saharan Africa using reanalyses precipitation data sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,555.	3.3	45
82	Climate change and dissolved organic carbon export to the Gulf of Maine. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2700-2716.	3.0	44
83	Spatial downscaling of precipitation using adaptable random forests. <i>Water Resources Research</i> , 2016, 52, 8217-8237.	4.2	169
84	Twentieth century temperature trends in CMIP3, CMIP5, and CESM-CLE climate simulations: Spatial-temporal uncertainties, differences, and their potential sources. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9561-9575.	3.3	16
85	Reconciling agriculture, carbon and biodiversity in a savannah transformation frontier. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150316.	4.2	34
86	Increased Drought and Pluvial Risk over California due to Changing Oceanic Conditions. <i>Journal of Climate</i> , 2016, 29, 8269-8279.	4.2	20
87	Spatial validation of large-scale land surface models against monthly land surface temperature patterns using innovative performance metrics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5430-5452.	3.3	47
88	Evaluation of historical and future simulations of precipitation and temperature in central Africa from CMIP5 climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 130-152.	3.3	123
89	Changes in the low flow regime over the eastern United States (1962–2011): variability, trends, and attributions. <i>Climatic Change</i> , 2016, 135, 639-653.	3.7	42
90	Drought in the Anthropocene. <i>Nature Geoscience</i> , 2016, 9, 89-91.	11.9	586

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91	Continental Runoff into the Oceans (1950â€“2008). <i>Journal of Hydrometeorology</i> , 2015, 16, 1502-1520.	3.6	39
92	The impacts of future climate and carbon dioxide changes on the average and variability of US maize yields under two emission scenarios. <i>Environmental Research Letters</i> , 2015, 10, 045003.	5.3	71
93	The Global Gridded Crop Model Intercomparison: data and modeling protocols for Phase 1 (v1.0). <i>Geoscientific Model Development</i> , 2015, 8, 261-277.	3.7	198
94	Seasonal Forecasting of Global Hydrologic Extremes: System Development and Evaluation over GEWEX Basins. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1895-1912.	5.5	87
95	Evaluation of the Tropical Rainfall Measuring Mission Multi-Satellite Precipitation Analysis (TMPA) for assessment of large-scale meteorological drought. <i>Remote Sensing of Environment</i> , 2015, 159, 181-193.	11.1	129
96	Photosynthetic seasonality of global tropical forests constrained by hydroclimate. <i>Nature Geoscience</i> , 2015, 8, 284-289.	11.9	356
97	The Observed State of the Water Cycle in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8289-8318.	4.2	241
98	The Observed State of the Energy Budget in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8319-8346.	4.2	165
99	Seasonal Soil Moisture Drought Prediction over Europe Using the North American Multi-Model Ensemble (NMME). <i>Journal of Hydrometeorology</i> , 2015, 16, 2329-2344.	3.6	96
100	Changes in drought risk over the contiguous United States (1901â€“2012): The influence of the Pacific and Atlantic Oceans. <i>Geophysical Research Letters</i> , 2014, 41, 5897-5903.	4.0	50
101	Development of a High-Resolution Gridded Daily Meteorological Dataset over Sub-Saharan Africa: Spatial Analysis of Trends in Climate Extremes. <i>Journal of Climate</i> , 2014, 27, 5815-5835.	4.2	74
102	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , 2014, 15, 2586-2614.	3.6	66
103	Uncertainties, Correlations, and Optimal Blends of Drought Indices from the NLDAS Multiple Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , 2014, 15, 1636-1650.	3.6	37
104	Application of USDM statistics in NLDAS-2: Optimal blended NLDAS drought index over the continental United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2947-2965.	3.3	71
105	A multiscale analysis of drought and pluvial mechanisms for the Southeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7348-7367.	3.3	34
106	Did a skillful prediction of sea surface temperatures help or hinder forecasting of the 2012 Midwestern US drought?. <i>Environmental Research Letters</i> , 2014, 9, 034005.	5.3	30
107	Changing water availability during the African maize-growing season, 1979â€“2010. <i>Environmental Research Letters</i> , 2014, 9, 075005.	5.3	17
108	CMIP5 Climate Model Analyses: Climate Extremes in the United States. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 571-583.	5.5	274

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109	A Prototype Global Drought Information System Based on Multiple Land Surface Models. <i>Journal of Hydrometeorology</i> , 2014, 15, 1661-1676.	3.6	57
110	A Drought Monitoring and Forecasting System for Sub-Sahara African Water Resources and Food Security. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 861-882.	5.5	377
111	Global warming and changes in drought. <i>Nature Climate Change</i> , 2014, 4, 17-22.	14.3	2,389
112	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. <i>Journal of Climate</i> , 2014, 27, 2230-2270.	4.2	234
113	Global assessment of trends in wetting and drying over land. <i>Nature Geoscience</i> , 2014, 7, 716-721.	11.9	642
114	Assessment of water budget for sixteen large drainage basins in Canada. <i>Journal of Hydrology</i> , 2014, 512, 1-15.	5.6	70
115	Evaluation of multi-model simulated soil moisture in NLDAS-2. <i>Journal of Hydrology</i> , 2014, 512, 107-125.	5.6	170
116	A physically based approach for the estimation of root-zone soil moisture from surface measurements. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1199-1212.	5.0	82
117	Terrestrial hydrological controls on land surface phenology of African savannas and woodlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1652-1669.	3.0	123
118	Confronting terrestrial biosphere models with forest inventory data. <i>Ecological Applications</i> , 2014, 24, 699-715.	3.9	20
119	Less reliable water availability in the 21st century climate projections. <i>Earth's Future</i> , 2014, 2, 152-160.	6.2	61
120	Global Climate Model Simulations of North America. <i>Regional Climate Studies</i> , 2014, , 167-200.	0.0	1
121	North American Climate in CMIP5 Experiments. Part II: Evaluation of Historical Simulations of Intraseasonal to Decadal Variability. <i>Journal of Climate</i> , 2013, 26, 9247-9290.	4.2	128
122	Using a Gridded Global Dataset to Characterize Regional Hydroclimate in Central Chile. <i>Journal of Hydrometeorology</i> , 2013, 14, 251-265.	3.6	21
123	North American Climate in CMIP5 Experiments. Part I: Evaluation of Historical Simulations of Continental and Regional Climatology. <i>Journal of Climate</i> , 2013, 26, 9209-9245.	4.2	246
124	Global Multimodel Analysis of Drought in Runoff for the Second Half of the Twentieth Century. <i>Journal of Hydrometeorology</i> , 2013, 14, 1535-1552.	3.6	61
125	The Influence of Atlantic Tropical Cyclones on Drought over the Eastern United States (1980â€“2007). <i>Journal of Climate</i> , 2013, 26, 3067-3086.	4.2	59
126	Toward Global Drought Early Warning Capability: Expanding International Cooperation for the Development of a Framework for Monitoring and Forecasting. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 776-785.	5.5	148



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127	Anthropogenic influence on multidecadal changes in reconstructed global evapotranspiration. <i>Nature Climate Change</i> , 2013, 3, 59-62.	14.3	163
128	Overview of the North American Land Data Assimilation System (NLDAS). , 2013, , 337-377.		10
129	Probabilistic Seasonal Forecasting of African Drought by Dynamical Models. <i>Journal of Hydrometeorology</i> , 2013, 14, 1706-1720.	3.6	73
130	Global-Scale Estimation of Land Surface Heat Fluxes from Space. , 2013, , 249-282.		5
131	miR-21 mediates hematopoietic suppression in MDS by activating TGF- $\beta$ signaling. <i>Blood</i> , 2013, 121, 2875-2881.	1.4	127
132	Global analysis of seasonal streamflow predictability using an ensemble prediction system and observations from 6192 small catchments worldwide. <i>Water Resources Research</i> , 2013, 49, 2729-2746.	4.2	110
133	Validation of AIRS/AMSU's water vapor and temperature data with in situ aircraft observations from the surface to UT/LS from 87°N to 67°S. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6816-6836.	3.3	26
134	On the sources of global land surface hydrologic predictability. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2781-2796.	5.0	93
135	Benchmark products for land evapotranspiration: LandFlux-EVAL multi-data set synthesis. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3707-3720.	5.0	320
136	Representation of Terrestrial Hydrology and Large-Scale Drought of the Continental United States from the North American Regional Reanalysis. <i>Journal of Hydrometeorology</i> , 2012, 13, 856-876.	3.6	42
137	Little change in global drought over the past 60 years. <i>Nature</i> , 2012, 491, 435-438.	36.2	1,586
138	Multisource Estimation of Long-Term Terrestrial Water Budget for Major Global River Basins. <i>Journal of Climate</i> , 2012, 25, 3191-3206.	4.2	196
139	Continental-scale water and energy flux analysis and validation for the North American Land Data Assimilation System project phase 2 (NLDAS-2): 1. Intercomparison and application of model products. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	564
140	Continental-scale water and energy flux analysis and validation for North American Land Data Assimilation System project phase 2 (NLDAS-2): 2. Validation of model-simulated streamflow. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	242
141	Reply to comment by Keith J. Beven and Hannah L. Cloke on "Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial water". <i>Water Resources Research</i> , 2012, 48, .	4.2	26
142	Are psychopathological features relevant predictors of glucose control in patients with type 2 diabetes? A prospective study. <i>Acta Diabetologica</i> , 2012, 49, 179-184.	2.6	14
143	Multimodel Analysis of Energy and Water Fluxes: Intercomparisons between Operational Analyses, a Land Surface Model, and Remote Sensing. <i>Journal of Hydrometeorology</i> , 2012, 13, 3-26.	3.6	24
144	The role of winter precipitation and temperature on northern Eurasian streamflow trends. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21

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145	Evaluation of global observations-based evapotranspiration datasets and IPCC AR4 simulations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	320
146	Global intercomparison of 12 land surface heat flux estimates. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	314
147	Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial water. <i>Water Resources Research</i> , 2011, 47, .	4.2	660
148	Soil Moisture Drought in China, 1950â€“2006. <i>Journal of Climate</i> , 2011, 24, 3257-3271.	4.2	404
149	Estimation of the Terrestrial Water Budget over Northern Eurasia through the Use of Multiple Data Sources. <i>Journal of Climate</i> , 2011, 24, 3272-3293.	4.2	42
150	Multiâ€“model, multiâ€“sensor estimates of global evapotranspiration: climatology, uncertainties and trends. <i>Hydrological Processes</i> , 2011, 25, 3993-4010.	2.6	152
151	Reconciling the global terrestrial water budget using satellite remote sensing. <i>Remote Sensing of Environment</i> , 2011, 115, 1850-1865.	11.1	157
152	Recent decline in the global land evapotranspiration trend due to limited moisture supply. <i>Nature</i> , 2010, 467, 951-954.	36.2	1,821
153	Global Evaluation of the ISBA-TRIP Continental Hydrological System. Part I: Comparison to GRACE Terrestrial Water Storage Estimates and In Situ River Discharges. <i>Journal of Hydrometeorology</i> , 2010, 11, 583-600.	3.6	93
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