

Eric F Wood

List of Publications by Year in descending order

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377
papers

55,243
citations

1171

111
h-index

1496

219
g-index

421
all docs

421
docs citations

421
times ranked

30980
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple hydrologically based model of land surface water and energy fluxes for general circulation models. <i>Journal of Geophysical Research</i> , 1994, 99, 14415.	3.3	3,018
2	Present and future Köppen-Geiger climate classification maps at 1-km resolution. <i>Scientific Data</i> , 2018, 5, 180214.	2.4	3,005
3	Recent decline in the global land evapotranspiration trend due to limited moisture supply. <i>Nature</i> , 2010, 467, 951-954.	13.7	1,771
4	Development of a 50-Year High-Resolution Global Dataset of Meteorological Forcings for Land Surface Modeling. <i>Journal of Climate</i> , 2006, 19, 3088-3111.	1.2	1,581
5	Little change in global drought over the past 60 years. <i>Nature</i> , 2012, 491, 435-438.	13.7	1,532
6	Estimation of the Generalized Extreme-Value Distribution by the Method of Probability-Weighted Moments. <i>Technometrics</i> , 1985, 27, 251-261.	1.3	992
7	The multi-institution North American Land Data Assimilation System (NLDAS): Utilizing multiple GCIP products and partners in a continental distributed hydrological modeling system. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	985
8	Projected changes in drought occurrence under future global warming from multi-model, multi-scenario, IPCC AR4 simulations. <i>Climate Dynamics</i> , 2008, 31, 79-105.	1.7	925
9	The North American Multimodel Ensemble: Phase-1 Seasonal-to-Interannual Prediction; Phase-2 toward Developing Intraseasonal Prediction. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 585-601.	1.7	756
10	Surface soil moisture parameterization of the VIC-2L model: Evaluation and modification. <i>Global and Planetary Change</i> , 1996, 13, 195-206.	1.6	750
11	Past and future changes in climate and hydrological indicators in the US Northeast. <i>Climate Dynamics</i> , 2007, 28, 381-407.	1.7	697
12	Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial water. <i>Water Resources Research</i> , 2011, 47, .	1.7	634
13	MSWEP V2 Global 3-Hourly 0.1° Precipitation: Methodology and Quantitative Assessment. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 473-500.	1.7	592
14	Bias correction of monthly precipitation and temperature fields from Intergovernmental Panel on Climate Change AR4 models using equidistant quantile matching. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	581
15	Hydro-Climatological Trends in the Continental United States, 1948-88. <i>Journal of Climate</i> , 1994, 7, 586-607.	1.2	568
16	Effects of spatial variability and scale with implications to hydrologic modeling. <i>Journal of Hydrology</i> , 1988, 102, 29-47.	2.3	558
17	The future of evapotranspiration: Global requirements for ecosystem functioning, carbon and climate feedbacks, agricultural management, and water resources. <i>Water Resources Research</i> , 2017, 53, 2618-2626.	1.7	552
18	Global-scale evaluation of 22 precipitation datasets using gauge observations and hydrological modeling. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 6201-6217.	1.9	541

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19	Global Trends and Variability in Soil Moisture and Drought Characteristics, 1950–2000, from Observation-Driven Simulations of the Terrestrial Hydrologic Cycle. <i>Journal of Climate</i> , 2008, 21, 432-458.	1.2	536
20	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	530
21	Multiscale modeling of spatially variable water and energy balance processes. <i>Water Resources Research</i> , 1994, 30, 3061-3078.	1.7	519
22	A land-surface hydrology parameterization with subgrid variability for general circulation models. <i>Journal of Geophysical Research</i> , 1992, 97, 2717-2728.	3.3	476
23	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	1.2	474
24	Predicting the Discharge of Global Rivers. <i>Journal of Climate</i> , 2001, 14, 3307-3323.	1.2	439
25	Anthropogenic warming exacerbates European soil moisture droughts. <i>Nature Climate Change</i> , 2018, 8, 421-426.	8.1	439
26	Streamflow simulation for continental-scale river basins. <i>Water Resources Research</i> , 1997, 33, 711-724.	1.7	400
27	One-dimensional statistical dynamic representation of subgrid spatial variability of precipitation in the two-layer variable infiltration capacity model. <i>Journal of Geophysical Research</i> , 1996, 101, 21403-21422.	3.3	379
28	On hydrologic similarity: 2. A scaled model of storm runoff production. <i>Water Resources Research</i> , 1987, 23, 2266-2278.	1.7	378
29	Global estimates of evapotranspiration for climate studies using multi-sensor remote sensing data: Evaluation of three process-based approaches. <i>Remote Sensing of Environment</i> , 2011, 115, 801-823.	4.6	378
30	A Drought Monitoring and Forecasting System for Sub-Saharan African Water Resources and Food Security. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 861-882.	1.7	371
31	Real-time and retrospective forcing in the North American Land Data Assimilation System (NLDAS) project. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	357
32	Photosynthetic seasonality of global tropical forests constrained by hydroclimate. <i>Nature Geoscience</i> , 2015, 8, 284-289.	5.4	337
33	Global and Continental Drought in the Second Half of the Twentieth Century: Severity–Area–Duration Analysis and Temporal Variability of Large-Scale Events. <i>Journal of Climate</i> , 2009, 22, 1962-1981.	1.2	331
34	Contribution of land surface initialization to subseasonal forecast skill: First results from a multi-model experiment. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	330
35	The assimilation of remotely sensed soil brightness temperature imagery into a land surface model using Ensemble Kalman filtering: a case study based on ESTAR measurements during SGP97. <i>Advances in Water Resources</i> , 2003, 26, 137-149.	1.7	329
36	The Effect of Soil Thermal Conductivity Parameterization on Surface Energy Fluxes and Temperatures. <i>Journals of the Atmospheric Sciences</i> , 1998, 55, 1209-1224.	0.6	326

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37	Daily evaluation of 26 precipitation datasets using Stage-IV gauge-radar data for the CONUS. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 207-224.	1.9	325
38	Climate mitigation from vegetation biophysical feedbacks during the past three decades. <i>Nature Climate Change</i> , 2017, 7, 432-436.	8.1	323
39	The future of Earth observation in hydrology. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3879-3914.	1.9	313
40	Evaluation of global observations-based evapotranspiration datasets and IPCC AR4 simulations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	312
41	Vegetation control on water and energy balance within the Budyko framework. <i>Water Resources Research</i> , 2013, 49, 969-976.	1.7	312
42	Benchmark products for land evapotranspiration: LandFlux-EVAL multi-data set synthesis. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3707-3720.	1.9	310
43	Global intercomparison of 12 land surface heat flux estimates. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	309
44	Scale influences on the remote estimation of evapotranspiration using multiple satellite sensors. <i>Remote Sensing of Environment</i> , 2006, 105, 271-285.	4.6	307
45	Characteristics of global and regional drought, 1950-2000: Analysis of soil moisture data from offline simulation of the terrestrial hydrologic cycle. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	307
46	A pan-arctic evaluation of changes in river discharge during the latter half of the 20th century. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	305
47	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. <i>Journal of Climate</i> , 2010, 23, 5715-5737.	1.2	303
48	Cabauw Experimental Results from the Project for Intercomparison of Land-Surface Parameterization Schemes. <i>Journal of Climate</i> , 1997, 10, 1194-1215.	1.2	296
49	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.	0.7	296
50	Winter floods in Britain are connected to atmospheric rivers. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	291
51	A simulated soil moisture based drought analysis for the United States. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	281
52	Hyper-resolution global hydrological modelling: what is next?. <i>Hydrological Processes</i> , 2015, 29, 310-320.	1.1	280
53	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) Phase 2(c) Red-Arkansas River basin experiment. <i>Global and Planetary Change</i> , 1998, 19, 115-135.	1.6	265
54	Similarity and scale in catchment storm response. <i>Reviews of Geophysics</i> , 1990, 28, 1-18.	9.0	257

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55	The WACMOS-ET project " Part 2: Evaluation of global terrestrial evaporation data sets. Hydrology and Earth System Sciences, 2016, 20, 823-842.	1.9	253
56	Catchment geomorphology and the dynamics of runoff contributing areas. Journal of Hydrology, 1983, 65, 139-158.	2.3	251
57	Estimation of the Generalized Extreme-Value Distribution by the Method of Probability-Weighted Moments. , 0, .		250
58	Satellite Remote Sensing for Water Resources Management: Potential for Supporting Sustainable Development in Data-Poor Regions. Water Resources Research, 2018, 54, 9724-9758.	1.7	247
59	A reversal in global terrestrial stilling and its implications for wind energy production. Nature Climate Change, 2019, 9, 979-985.	8.1	246
60	The detection of atmospheric rivers in atmospheric reanalyses and their links to British winter floods and the large-scale climatic circulation. Journal of Geophysical Research, 2012, 117, .	3.3	245
61	Inroads of remote sensing into hydrologic science during the WRR era. Water Resources Research, 2015, 51, 7309-7342.	1.7	243
62	The energy balance over land and oceans: an assessment based on direct observations and CMIP5 climate models. Climate Dynamics, 2015, 44, 3393-3429.	1.7	239
63	The Observed State of the Water Cycle in the Early Twenty-First Century. Journal of Climate, 2015, 28, 8289-8318.	1.2	230
64	Water Resources Implications of Global Warming: A U.S. Regional Perspective. Climatic Change, 1999, 43, 537-579.	1.7	225
65	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. Water Resources Research, 2020, 56, e2019WR026058.	1.7	220
66	Evaluation of SMOS Soil Moisture Products Over Continental U.S. Using the SCAN/SNOTEL Network. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1572-1586.	2.7	218
67	Decreasing river discharge in northern Canada. Geophysical Research Letters, 2005, 32, .	1.5	214
68	Characteristics and Trends of River Discharge into Hudson, James, and Ungava Bays, 1964-2000. Journal of Climate, 2005, 18, 2540-2557.	1.2	201
69	Correction of Global Precipitation Products for Orographic Effects. Journal of Climate, 2006, 19, 15-38.	1.2	197
70	POLARIS: A 30-meter probabilistic soil series map of the contiguous United States. Geoderma, 2016, 274, 54-67.	2.3	197
71	Surface radiation budgets in support of the GEWEX Continental-Scale International Project (GCIP) and the GEWEX Americas Prediction Project (GAPP), including the North American Land Data Assimilation System (NLDAS) project. Journal of Geophysical Research, 2003, 108, .	3.3	196
72	Observation operators for the direct assimilation of TRMM microwave imager retrieved soil moisture. Geophysical Research Letters, 2005, 32, .	1.5	194

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73	An Agenda for Land Surface Hydrology Research and a Call for the Second International Hydrological Decade. <i>Bulletin of the American Meteorological Society</i> , 1999, 80, 2043-2058.	1.7	188
74	Multisource Estimation of Long-Term Terrestrial Water Budget for Major Global River Basins. <i>Journal of Climate</i> , 2012, 25, 3191-3206.	1.2	188
75	Closing the terrestrial water budget from satellite remote sensing. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	186
76	Application of a macroscale hydrologic model to estimate the water balance of the Arkansas-Red River Basin. <i>Journal of Geophysical Research</i> , 1996, 101, 7449-7459.	3.3	185
77	High-performance Earth system modeling with NASA/GSFC's Land Information System. <i>Innovations in Systems and Software Engineering</i> , 2007, 3, 157-165.	1.6	184
78	Contaminated groundwater remediation design using simulation, optimization, and sensitivity theory: 1. Model development. <i>Water Resources Research</i> , 1988, 24, 431-441.	1.7	178
79	Data Assimilation for Estimating the Terrestrial Water Budget Using a Constrained Ensemble Kalman Filter. <i>Journal of Hydrometeorology</i> , 2006, 7, 534-547.	0.7	176
80	Estimation of regional terrestrial water cycle using multi-sensor remote sensing observations and data assimilation. <i>Remote Sensing of Environment</i> , 2008, 112, 1282-1294.	4.6	176
81	Global Reconstruction of Naturalized River Flows at 2.94 Million Reaches. <i>Water Resources Research</i> , 2019, 55, 6499-6516.	1.7	175
82	Modeling Evapotranspiration during SMACEX: Comparing Two Approaches for Local- and Regional-Scale Prediction. <i>Journal of Hydrometeorology</i> , 2005, 6, 910-922.	0.7	171
83	Multiple Effects of Changes in Arctic Snow Cover. <i>Ambio</i> , 2011, 40, 32-45.	2.8	169
84	Highland cropland expansion and forest loss in Southeast Asia in the twenty-first century. <i>Nature Geoscience</i> , 2018, 11, 556-562.	5.4	168
85	Effect of regional heterogeneity on flood frequency estimation. <i>Water Resources Research</i> , 1987, 23, 313-323.	1.7	166
86	The WACMOS-ET project "Part 1": Tower-scale evaluation of four remote-sensing-based evapotranspiration algorithms. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 803-822.	1.9	164
87	An appraisal of the regional flood frequency procedure in the UK. <i>Flood Studies Report</i> . <i>Hydrological Sciences Journal</i> , 1985, 30, 85-109.	1.2	163
88	Detection of Intensification in Global- and Continental-Scale Hydrological Cycles: Temporal Scale of Evaluation. <i>Journal of Climate</i> , 2003, 16, 535-547.	1.2	163
89	Evaluation of multi-model simulated soil moisture in NLDAS-2. <i>Journal of Hydrology</i> , 2014, 512, 107-125.	2.3	163
90	Evaluation of the North American Land Data Assimilation System over the southern Great Plains during the warm season. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	157

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91	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.	1.9	156
92	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) phase 2(c) Redâ€“Arkansas River basin experiment:. <i>Global and Planetary Change</i> , 1998, 19, 161-179.	1.6	154
93	A first look at Climate Forecast System version 2 (CFSv2) for hydrological seasonal prediction. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	152
94	Reconciling the global terrestrial water budget using satellite remote sensing. <i>Remote Sensing of Environment</i> , 2011, 115, 1850-1865.	4.6	152
95	Snow process modeling in the North American Land Data Assimilation System (NLDAS): 2. Evaluation of model simulated snow water equivalent. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	150
96	An efficient calibration method for continentalâ€“scale land surface modeling. <i>Water Resources Research</i> , 2008, 44, .	1.7	149
97	Observational evidence of an intensifying hydrological cycle in northern Canada. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	148
98	Multiâ€“model, multiâ€“sensor estimates of global evapotranspiration: climatology, uncertainties and trends. <i>Hydrological Processes</i> , 2011, 25, 3993-4010.	1.1	147
99	Numerical evaluation of iterative and noniterative methods for the solution of the nonlinear Richards equation. <i>Water Resources Research</i> , 1991, 27, 1147-1163.	1.7	146
100	Climate change alters low flows in Europe under global warming of 1.5, 2, and 3â€“Â°C. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1017-1032.	1.9	146
101	On hydrological heterogeneity â€“ Catchment morphology and catchment response. <i>Journal of Hydrology</i> , 1988, 100, 353-375.	2.3	145
102	Streamflow and water balance intercomparisons of four land surface models in the North American Land Data Assimilation System project. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	141
103	A soil-vegetation-atmosphere transfer scheme for modeling spatially variable water and energy balance processes. <i>Journal of Geophysical Research</i> , 1997, 102, 4303-4324.	3.3	139
104	HYDROLOGICAL MODELING OF CONTINENTAL-SCALE BASINS. <i>Annual Review of Earth and Planetary Sciences</i> , 1997, 25, 279-300.	4.6	137
105	Validation of the North American Land Data Assimilation System (NLDAS) retrospective forcing over the southern Great Plains. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	136
106	Improving soil moisture retrievals from a physically-based radiative transfer model. <i>Remote Sensing of Environment</i> , 2014, 140, 130-140.	4.6	136
107	Soil moisture estimates from TRMM Microwave Imager observations over the Southern United States. <i>Remote Sensing of Environment</i> , 2003, 85, 507-515.	4.6	131
108	Multimodel seasonal forecasting of global drought onset. <i>Geophysical Research Letters</i> , 2013, 40, 4900-4905.	1.5	130

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109	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.	4.6	126
110	Four decades of microwave satellite soil moisture observations: Part 1. A review of retrieval algorithms. <i>Advances in Water Resources</i> , 2017, 109, 106-120.	1.7	122
111	The GEWEX LandFlux project: evaluation of model evaporation using tower-based and globally gridded forcing data. <i>Geoscientific Model Development</i> , 2016, 9, 283-305.	1.3	119
112	Monitoring and predicting the 2007 U.S. drought. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	117
113	The role of initial conditions and forcing uncertainties in seasonal hydrologic forecasting. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	117
114	Terrestrial hydrological controls on land surface phenology of African savannas and woodlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1652-1669.	1.3	117
115	Using TRMM/TMI to Retrieve Surface Soil Moisture over the Southern United States from 1998 to 2002. <i>Journal of Hydrometeorology</i> , 2006, 7, 23-38.	0.7	116
116	Estimating the water budget of major US river basins via remote sensing. <i>International Journal of Remote Sensing</i> , 2010, 31, 3955-3978.	1.3	116
117	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.	1.2	116
118	Effects of Digital Elevation Model Accuracy on Hydrologic Predictions. <i>Remote Sensing of Environment</i> , 2000, 74, 432-444.	4.6	113
119	CFSv2-Based Seasonal Hydroclimatic Forecasts over the Conterminous United States. <i>Journal of Climate</i> , 2013, 26, 4828-4847.	1.2	113
120	A Multiscale Ensemble Filtering System for Hydrologic Data Assimilation. Part I: Implementation and Synthetic Experiment. <i>Journal of Hydrometeorology</i> , 2009, 10, 794-806.	0.7	112
121	Relative Accuracy of Log Pearson III Procedures. <i>Journal of Hydraulic Engineering</i> , 1985, 111, 1043-1056.	0.7	111
122	Copula-Derived Observation Operators for Assimilating TMI and AMSR-E Retrieved Soil Moisture into Land Surface Models. <i>Journal of Hydrometeorology</i> , 2007, 8, 413-429.	0.7	109
123	Bayesian merging of multiple climate model forecasts for seasonal hydrological predictions. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	108
124	The Influence of Hydrologic Modeling on the Predicted Local Weather: Two-Way Coupling of a Mesoscale Weather Prediction Model and a Land Surface Hydrologic Model. <i>Journal of Hydrometeorology</i> , 2002, 3, 505-523.	0.7	107
125	A review on climateâ€modelâ€based seasonal hydrologic forecasting: physical understanding and system development. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015, 2, 523-536.	2.8	106
126	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.	1.7	105

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127	Assessing the skill of satellite-based precipitation estimates in hydrologic applications. <i>Water Resources Research</i> , 2010, 46, .	1.7	104
128	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.	2.2	104
129	A detailed model for simulation of catchment scale subsurface hydrologic processes. <i>Water Resources Research</i> , 1993, 29, 1601-1620.	1.7	101
130	Evaluation of AMSR-E-Derived Soil Moisture Retrievals Using Ground-Based and PSR Airborne Data during SMEX02. <i>Journal of Hydrometeorology</i> , 2005, 6, 864-877.	0.7	101
131	A Global Drought and Flood Catalogue from 1950 to 2016. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E508-E535.	1.7	98
132	A derived flood frequency distribution using Horton Order Ratios. <i>Water Resources Research</i> , 1982, 18, 1509-1518.	1.7	97
133	Modeling ground heat flux in land surface parameterization schemes. <i>Journal of Geophysical Research</i> , 1999, 104, 9581-9600.	3.3	97
134	An initial assessment of SMAP soil moisture retrievals using high-resolution model simulations and in situ observations. <i>Geophysical Research Letters</i> , 2016, 43, 9662-9668.	1.5	97
135	Land surface model spin-up behavior in the North American Land Data Assimilation System (NLDAS). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	96
136	Quantifying uncertainty in a remote sensing-based estimate of evapotranspiration over continental USA. <i>International Journal of Remote Sensing</i> , 2010, 31, 3821-3865.	1.3	96
137	Drought. , 0, , .		96
138	Snow process modeling in the North American Land Data Assimilation System (NLDAS): 1. Evaluation of model-simulated snow cover extent. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	95
139	Comparison of Two Methods for Estimating the Sampling-Related Uncertainty of Satellite Rainfall Averages Based on a Large Radar Dataset. <i>Journal of Climate</i> , 2003, 16, 3759-3778.	1.2	94
140	Anthropogenic Intensification of Southern African Flash Droughts as Exemplified by the 2015/16 Season. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, S86-S90.	1.7	94
141	Bias Correction of Global High-Resolution Precipitation Climatologies Using Streamflow Observations from 9372 Catchments. <i>Journal of Climate</i> , 2020, 33, 1299-1315.	1.2	94
142	Evapotranspiration and runoff from large land areas: Land surface hydrology for atmospheric general circulation models. <i>Surveys in Geophysics</i> , 1991, 12, 179-204.	2.1	93
143	On the sources of global land surface hydrologic predictability. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2781-2796.	1.9	93
144	Effects of Spatial Variability and Scale on Areally Averaged Evapotranspiration. <i>Water Resources Research</i> , 1995, 31, 699-712.	1.7	92

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145	Satellite Microwave Remote Sensing of Daily Land Surface Air Temperature Minima and Maxima From AMSR-E. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 111-123.	2.3	91
146	Dynamic-Model-Based Seasonal Prediction of Meteorological Drought over the Contiguous United States. Journal of Hydrometeorology, 2012, 13, 463-482.	0.7	91
147	A Climate Data Record (CDR) for the global terrestrial water budget: 1984–2010. Hydrology and Earth System Sciences, 2018, 22, 241-263.	1.9	91
148	A daily hydroclimatological data set for the continental United States. Water Resources Research, 1991, 27, 1657-1663.	1.7	90
149	A Multiscale Ensemble Filtering System for Hydrologic Data Assimilation. Part II: Application to Land Surface Modeling with Satellite Rainfall Forcing. Journal of Hydrometeorology, 2009, 10, 1493-1506.	0.7	90
150	Use of Bayesian Merging Techniques in a Multimodel Seasonal Hydrologic Ensemble Prediction System for the Eastern United States. Journal of Hydrometeorology, 2008, 9, 866-884.	0.7	89
151	Regional flood frequency estimation and network design. Water Resources Research, 1981, 17, 1167-1177.	1.7	88
152	An intercomparison of soil moisture fields in the North American Land Data Assimilation System (NLDAS). Journal of Geophysical Research, 2004, 109, .	3.3	88
153	Impact of model structure and parameterization on Penman–Monteith type evaporation models. Journal of Hydrology, 2015, 525, 521-535.	2.3	87
154	A Global Intercomparison of Modeled and Observed Land–Atmosphere Coupling*. Journal of Hydrometeorology, 2012, 13, 749-784.	0.7	85
155	Seasonal Forecasting of Global Hydrologic Extremes: System Development and Evaluation over GEWEX Basins. Bulletin of the American Meteorological Society, 2015, 96, 1895-1912.	1.7	85
156	Impacts of recent drought and warm years on water resources and electricity supply worldwide. Environmental Research Letters, 2016, 11, 124021.	2.2	85
157	Bayesian inference and decision making for extreme hydrologic events. Water Resources Research, 1975, 11, 533-542.	1.7	84
158	Teleconnection between the Arctic Oscillation and Hudson Bay river discharge. Geophysical Research Letters, 2004, 31, .	1.5	84
159	Observed Land–Atmosphere Coupling from Satellite Remote Sensing and Reanalysis. Journal of Hydrometeorology, 2011, 12, 1221-1254.	0.7	84
160	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
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