

Dennis Lettenmaier

List of Publications by Year in descending order

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413
papers

63,105
citations

700

121
h-index

983

237
g-index

433
all docs

433
docs citations

433
times ranked

30431
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential impacts of a warming climate on water availability in snow-dominated regions. <i>Nature</i> , 2005, 438, 303-309.	13.7	3,521
2	Stationarity Is Dead: Whither Water Management?. <i>Science</i> , 2008, 319, 573-574.	6.0	3,381
3	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
4	Hydrologic Implications of Dynamical and Statistical Approaches to Downscaling Climate Model Outputs. <i>Climatic Change</i> , 2004, 62, 189-216.	1.7	1,503
5	DECLINING MOUNTAIN SNOWPACK IN WESTERN NORTH AMERICA*. <i>Bulletin of the American Meteorological Society</i> , 2005, 86, 39-50.	1.7	1,192
6	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States*. <i>Journal of Climate</i> , 2002, 15, 3237-3251.	1.2	1,186
7	A distributed hydrology-vegetation model for complex terrain. <i>Water Resources Research</i> , 1994, 30, 1665-1679.	1.7	1,052
8	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
9	The Effects of Climate Change on the Hydrology and Water Resources of the Colorado River Basin. <i>Climatic Change</i> , 2004, 62, 337-363.	1.7	825
10	Long-range experimental hydrologic forecasting for the eastern United States. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 6-1.	3.3	772
11	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
12	Measuring surface water from space. <i>Reviews of Geophysics</i> , 2007, 45, .	9.0	744
13	Global river discharge and water temperature under climate change. <i>Global Environmental Change</i> , 2013, 23, 450-464.	3.6	689
14	Toward a Unified View of the American Monsoon Systems. <i>Journal of Climate</i> , 2006, 19, 4977-5000.	1.2	677
15	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
16	Recent Third Pole's Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 423-444.	1.7	590
17	Hydro-Climatological Trends in the Continental United States, 1948-88. <i>Journal of Climate</i> , 1994, 7, 586-607.	1.2	568
18	The Boreal Ecosystem's "Atmosphere Study (BOREAS): An Overview and Early Results from the 1994 Field Year. <i>Bulletin of the American Meteorological Society</i> , 1995, 76, 1549-1577.	1.7	547

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19	Observed Impacts of Anthropogenic Climate Change on Wildfire in California. <i>Earth's Future</i> , 2019, 7, 892-910.	2.4	540
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	Hydrologic Sensitivity of Global Rivers to Climate Change. <i>Climatic Change</i> , 2001, 50, 143-175.	1.7	529
22	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States: Update and Extensions. <i>Journal of Climate</i> , 2013, 26, 9384-9392.	1.2	499
23	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
24	Present state of global wetland extent and wetland methane modelling: conclusions from a model inter-comparison project (WETCHIMP). <i>Biogeosciences</i> , 2013, 10, 753-788.	1.3	475
25	Effects of Temperature and Precipitation Variability on Snowpack Trends in the Western United States*. <i>Journal of Climate</i> , 2005, 18, 4545-4561.	1.2	458
26	Twentieth-Century Drought in the Conterminous United States. <i>Journal of Hydrometeorology</i> , 2005, 6, 985-1001.	0.7	457
27	Vulnerability of US and European electricity supply to climate change. <i>Nature Climate Change</i> , 2012, 2, 676-681.	8.1	444
28	Regional scale hydrology: I. Formulation of the VIC-2L model coupled to a routing model. <i>Hydrological Sciences Journal</i> , 1998, 43, 131-141.	1.2	440
29	Predicting the Discharge of Global Rivers. <i>Journal of Climate</i> , 2001, 14, 3307-3323.	1.2	439
30	Evaluation of TRMM Multisatellite Precipitation Analysis (TMPA) and Its Utility in Hydrologic Prediction in the La Plata Basin. <i>Journal of Hydrometeorology</i> , 2008, 9, 622-640.	0.7	439
31	BOREAS in 1997: Experiment overview, scientific results, and future directions. <i>Journal of Geophysical Research</i> , 1997, 102, 28731-28769.	3.3	436
32	A multimodel ensemble approach to assessment of climate change impacts on the hydrology and water resources of the Colorado River Basin. <i>Hydrology and Earth System Sciences</i> , 2007, 11, 1417-1434.	1.9	435
33	Global Retrospective Estimation of Soil Moisture Using the Variable Infiltration Capacity Land Surface Model, 1980-93. <i>Journal of Climate</i> , 2001, 14, 1790-1808.	1.2	404
34	Streamflow simulation for continental-scale river basins. <i>Water Resources Research</i> , 1997, 33, 711-724.	1.7	400
35	EFFECTS OF CLIMATE CHANGE ON HYDROLOGY AND WATER RESOURCES IN THE COLUMBIA RIVER BASIN. <i>Journal of the American Water Resources Association</i> , 1999, 35, 1597-1623.	1.0	397
36	Soil Moisture Drought in China, 1950-2006. <i>Journal of Climate</i> , 2011, 24, 3257-3271.	1.2	392

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37	Implications of global climate change for snowmelt hydrology in the twenty-first century. <i>Hydrological Processes</i> , 2009, 23, 962-972.	1.1	382
38	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
39	Implications of 21st century climate change for the hydrology of Washington State. <i>Climatic Change</i> , 2010, 102, 225-260.	1.7	379
40	Assimilating remotely sensed snow observations into a macroscale hydrology model. <i>Advances in Water Resources</i> , 2006, 29, 872-886.	1.7	372
41	Monitoring and Understanding Changes in Heat Waves, Cold Waves, Floods, and Droughts in the United States: State of Knowledge. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 821-834.	1.7	365
42	Adjustment of global gridded precipitation for systematic bias. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	364
43	Hydrologic effects of frozen soils in the upper Mississippi River basin. <i>Journal of Geophysical Research</i> , 1999, 104, 19599-19610.	3.3	352
44	Dramatic declines in snowpack in the western US. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	2.6	345
45	The SWOT Mission and Its Capabilities for Land Hydrology. <i>Surveys in Geophysics</i> , 2016, 37, 307-337.	2.1	333
46	Global and Continental Drought in the Second Half of the Twentieth Century: Severityâ€‘Areaâ€‘Duration Analysis and Temporal Variability of Large-Scale Events. <i>Journal of Climate</i> , 2009, 22, 1962-1981.	1.2	331
47	Climate Change and River Ecosystems: Protection and Adaptation Options. <i>Environmental Management</i> , 2009, 44, 1053-1068.	1.2	326
48	Hydrologic sensitivities of the Sacramentoâ€‘San Joaquin River Basin, California, to global warming. <i>Water Resources Research</i> , 1990, 26, 69-86.	1.7	315
49	Mitigating the Effects of Climate Change on the Water Resources of the Columbia River Basin. <i>Climatic Change</i> , 2004, 62, 233-256.	1.7	314
50	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. <i>Journal of Climate</i> , 2010, 23, 5715-5737.	1.2	303
51	If Precipitation Extremes Are Increasing, Why Aren't Floods?. <i>Water Resources Research</i> , 2018, 54, 8545-8551.	1.7	299
52	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
53	Effects of 20th century warming and climate variability on flood risk in the western U.S.. <i>Water Resources Research</i> , 2007, 43, .	1.7	294
54	Evaluation of forest snow processes models (SnowMIP2). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	290

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55	Variable infiltration capacity cold land process model updates. <i>Global and Planetary Change</i> , 2003, 38, 151-159.	1.6	286
56	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. <i>Journal of Climate</i> , 2009, 22, 5251-5272.	1.2	282
57	Preparing for Climatic Change: The Water, Salmon, and Forests of the Pacific Northwest. <i>Climatic Change</i> , 2003, 61, 45-88.	1.7	280
58	Columbia River Streamflow Forecasting Based on ENSO and PDO Climate Signals. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1999, 125, 333-341.	1.3	278
59	Effects of irrigation on the water and energy balances of the Colorado and Mekong river basins. <i>Journal of Hydrology</i> , 2006, 324, 210-223.	2.3	277
60	The Project for Intercomparison of Land-surface Parameterization Schemes (PILPS) Phase 2(c) Redô“Arkansas River basin experiment:. <i>Global and Planetary Change</i> , 1998, 19, 115-135.	1.6	265
61	The Surface Water and Ocean Topography Mission: Observing Terrestrial Surface Water and Oceanic Submesoscale Eddies. <i>Proceedings of the IEEE</i> , 2010, 98, 766-779.	16.4	261
62	Hydrologic impacts of climate change on the Nile River Basin: implications of the 2007 IPCC scenarios. <i>Climatic Change</i> , 2010, 100, 433-461.	1.7	259
63	How much runoff originates as snow in the western United States, and how will that change in the future?. <i>Geophysical Research Letters</i> , 2017, 44, 6163-6172.	1.5	258
64	Global monitoring of large reservoir storage from satellite remote sensing. <i>Water Resources Research</i> , 2012, 48, .	1.7	256
65	Detection of trends in water quality data from records with dependent observations. <i>Water Resources Research</i> , 1976, 12, 1037-1046.	1.7	252
66	GEOPHYSICS: Tracking Fresh Water from Space. <i>Science</i> , 2003, 301, 1491-1494.	6.0	247
67	Inroads of remote sensing into hydrologic science during the WRR era. <i>Water Resources Research</i> , 2015, 51, 7309-7342.	1.7	243
68	Economic Value of Long-Lead Streamflow Forecasts for Columbia River Hydropower. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2002, 128, 91-101.	1.3	236
69	Trends in 20th century drought over the continental United States. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	235
70	Skill in streamflow forecasts derived from large-scale estimates of soil moisture and snow. <i>Nature Geoscience</i> , 2010, 3, 613-616.	5.4	231
71	A prominent pattern of year-to-year variability in Indian Summer Monsoon Rainfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7213-7217.	3.3	231
72	Water Resources Implications of Global Warming: A U.S. Regional Perspective. <i>Climatic Change</i> , 1999, 43, 537-579.	1.7	225

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73	Production of Temporally Consistent Gridded Precipitation and Temperature Fields for the Continental United States*. Journal of Hydrometeorology, 2005, 6, 330-336.	0.7	222
74	Measurement of snow interception and canopy effects on snow accumulation and melt in a mountainous maritime climate, Oregon, United States. Water Resources Research, 2002, 38, 5-1-5-16.	1.7	214
75	Prospects for river discharge and depth estimation through assimilation of swath-altimetry into a raster-based hydrodynamics model. Geophysical Research Letters, 2007, 34, .	1.5	213
76	Changes in observed climate extremes in global urban areas. Environmental Research Letters, 2015, 10, 024005.	2.2	213
77	Twentieth-Century Trends in Runoff, Evapotranspiration, and Soil Moisture in the Western United States*. Journal of Climate, 2007, 20, 1468-1486.	1.2	212
78	A Test Bed for New Seasonal Hydrologic Forecasting Approaches in the Western United States. Bulletin of the American Meteorological Society, 2006, 87, 1699-1712.	1.7	206
79	Dynamic modeling of orographically induced precipitation. Reviews of Geophysics, 1994, 32, 265.	9.0	205
80	Anthropogenic impacts on continental surface water fluxes. Geophysical Research Letters, 2006, 33, .	1.5	205
81	On Critiques of "Stationarity is Dead: Whither Water Management?" Water Resources Research, 2015, 51, 7785-7789.	1.7	204
82	Potential Implications of PCM Climate Change Scenarios for Sacramento-San Joaquin River Basin Hydrology and Water Resources. Climatic Change, 2004, 62, 257-281.	1.7	203
83	Modeling snow accumulation and ablation processes in forested environments. Water Resources Research, 2009, 45, .	1.7	198
84	Correction of Global Precipitation Products for Orographic Effects. Journal of Climate, 2006, 19, 15-38.	1.2	197
85	Simulation of high-latitude hydrological processes in the Torne-Kalix basin: PILPS Phase 2(e). Global and Planetary Change, 2003, 38, 1-30.	1.6	194
86	Heat wave flash droughts in decline. Geophysical Research Letters, 2015, 42, 2823-2829.	1.5	193
87	Effects of land cover change on streamflow in the interior Columbia River Basin (USA and Canada). Hydrological Processes, 2000, 14, 867-885.	1.1	192
88	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
89	Application of a macroscale hydrologic model to estimate the water balance of the Arkansas-Red River Basin. Journal of Geophysical Research, 1996, 101, 7449-7459.	3.3	185
90	Evaluation of the snow-covered area data product from MODIS. Hydrological Processes, 2003, 17, 59-71.	1.1	180

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91	Effect of precipitation sampling error on simulated hydrological fluxes and states: Anticipating the Global Precipitation Measurement satellites. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	179
92	An ensemble approach for attribution of hydrologic prediction uncertainty. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	178
93	Assessing the impact of land use change on hydrology by ensemble modeling (LUCHEM). I: Model intercomparison with current land use. <i>Advances in Water Resources</i> , 2009, 32, 129-146.	1.7	177
94	Precipitation extremes and the impacts of climate change on stormwater infrastructure in Washington State. <i>Climatic Change</i> , 2010, 102, 319-349.	1.7	177
95	Effect of regional heterogeneity on flood frequency estimation. <i>Water Resources Research</i> , 1987, 23, 313-323.	1.7	166
96	Hydrologic Sensitivities of Colorado River Runoff to Changes in Precipitation and Temperature*. <i>Journal of Hydrometeorology</i> , 2012, 13, 932-949.	0.7	165
97	Present state of global wetland extent and wetland methane modelling: methodology of a model inter-comparison project (WETCHIMP). <i>Geoscientific Model Development</i> , 2013, 6, 617-641.	1.3	165
98	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
99	Estimation of bathymetric depth and slope from data assimilation of swath altimetry into a hydrodynamic model. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	163
100	Global evaluation of MTCLIM and related algorithms for forcing of ecological and hydrological models. <i>Agricultural and Forest Meteorology</i> , 2013, 176, 38-49.	1.9	163
101	Development of regional parameter estimation equations for a macroscale hydrologic model. <i>Journal of Hydrology</i> , 1997, 197, 230-257.	2.3	162
102	Hydrologic uncertainties in climate change from IPCC AR4 GCM simulations of the Chungju Basin, Korea. <i>Journal of Hydrology</i> , 2011, 401, 90-105.	2.3	162
103	Effects of climate change on snowpack and fire potential in the western USA. <i>Climatic Change</i> , 2017, 141, 287-299.	1.7	161
104	Regional scale hydrology: II. Application of the VIC-2L model to the Weser River, Germany. <i>Hydrological Sciences Journal</i> , 1998, 43, 143-158.	1.2	159
105	Understanding Uncertainties in Future Colorado River Streamflow. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 59-78.	1.7	159
106	Value of long-term streamflow forecasts to reservoir operations for water supply in snow-dominated river catchments. <i>Water Resources Research</i> , 2016, 52, 4209-4225.	1.7	159
107	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, 161-179.	1.6	154
108	Multimodel Ensemble Reconstruction of Drought over the Continental United States. <i>Journal of Climate</i> , 2009, 22, 2694-2712.	1.2	153

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109	On the causes of the shrinking of Lake Chad. <i>Environmental Research Letters</i> , 2011, 6, 034021.	2.2	150
110	Application of a GIS-based distributed hydrology model for prediction of forest harvest effects on peak stream flow in the Pacific Northwest. <i>Hydrological Processes</i> , 1998, 12, 889-904.	1.1	148
111	Simulation of spatial variability in snow and frozen soil. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	147
112	Effects of a century of land cover and climate change on the hydrology of the Puget Sound basin. <i>Hydrological Processes</i> , 2009, 23, 907-933.	1.1	147
113	Seasonal hydrologic prediction in the United States: understanding the role of initial hydrologic conditions and seasonal climate forecast skill. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3529-3538.	1.9	146
114	Evaluation of the land surface water budget in NCEP/NCAR and NCEP/DOE reanalyses using an off-line hydrologic model. <i>Journal of Geophysical Research</i> , 2001, 106, 17841-17862.	3.3	144
115	Precipitation Deficit Flash Droughts over the United States. <i>Journal of Hydrometeorology</i> , 2016, 17, 1169-1184.	0.7	139
116	HYDROLOGICAL MODELING OF CONTINENTAL-SCALE BASINS. <i>Annual Review of Earth and Planetary Sciences</i> , 1997, 25, 279-300.	4.6	137
117	Noah LSM Snow Model Diagnostics and Enhancements. <i>Journal of Hydrometeorology</i> , 2010, 11, 721-738.	0.7	137
118	Relationship between hourly extreme precipitation and local air temperature in the United States. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	137
119	Water from on high. <i>Nature</i> , 2006, 444, 562-563.	13.7	136
120	Assimilation of virtual wide swath altimetry to improve Arctic river modeling. <i>Remote Sensing of Environment</i> , 2011, 115, 373-381.	4.6	136
121	Is climate change implicated in the 2013â€“2014 California drought? A hydrologic perspective. <i>Geophysical Research Letters</i> , 2015, 42, 2805-2813.	1.5	133
122	Assessing the impact of land use change on hydrology by ensemble modelling (LUCHEM) II: Ensemble combinations and predictions. <i>Advances in Water Resources</i> , 2009, 32, 147-158.	1.7	128
123	The Olympic Mountains Experiment (OLYMPEX). <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2167-2188.	1.7	128
124	Coupled daily streamflow and water temperature modelling in large river basins. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 4303-4321.	1.9	127
125	Modeling the Effects of Lakes and Wetlands on the Water Balance of Arctic Environments. <i>Journal of Hydrometeorology</i> , 2010, 11, 276-295.	0.7	124
126	A comparison of simplified methods for routing topographically driven subsurface flow. <i>Water Resources Research</i> , 1999, 35, 255-264.	1.7	123

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127	Dependence of Extreme Daily Maximum Temperatures on Antecedent Soil Moisture in the Contiguous United States during Summer. <i>Journal of Climate</i> , 2000, 13, 2641-2651.	1.2	122
128	An approach for global monitoring of surface water extent variations in reservoirs using MODIS data. <i>Remote Sensing of Environment</i> , 2017, 202, 113-128.	4.6	122
129	Data requirements for kriging: Estimation and network design. <i>Water Resources Research</i> , 1981, 17, 1641-1650.	1.7	121
130	Remote sensing: hydrology. <i>Progress in Physical Geography</i> , 2009, 33, 490-509.	1.4	121
131	Changes in winter precipitation extremes for the western United States under a warmer climate as simulated by regional climate models. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	119
132	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
133	The contribution of glacier melt to streamflow. <i>Environmental Research Letters</i> , 2012, 7, 034029.	2.2	116
134	Variability in the sensitivity among model simulations of permafrost and carbon dynamics in the permafrost region between 1960 and 2009. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1015-1037.	1.9	116
135	Effects of forest roads on flood flows in the Deschutes River, Washington. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 115-134.	1.2	114
136	The role of surface storage in a low-gradient Arctic watershed. <i>Water Resources Research</i> , 2003, 39, .	1.7	114
137	A Markov Renewal Model for rainfall occurrences. <i>Water Resources Research</i> , 1987, 23, 875-884.	1.7	113
138	Effects of Digital Elevation Model Accuracy on Hydrologic Predictions. <i>Remote Sensing of Environment</i> , 2000, 74, 432-444.	4.6	113
139	Soil Moisture, Snow, and Seasonal Streamflow Forecasts in the United States. <i>Journal of Hydrometeorology</i> , 2012, 13, 189-203.	0.7	113
140	How Essential is Hydrologic Model Calibration to Seasonal Streamflow Forecasting?. <i>Journal of Hydrometeorology</i> , 2008, 9, 1350-1363.	0.7	111
141	Simulation of reservoir influences on annual and seasonal streamflow changes for the Lena, Yenisei, and Ob' rivers. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	110
142	Drought and Famine in India, 1870â€“2016. <i>Geophysical Research Letters</i> , 2019, 46, 2075-2083.	1.5	109
143	The Contribution of Reservoirs to Global Land Surface Water Storage Variations*. <i>Journal of Hydrometeorology</i> , 2016, 17, 309-325.	0.7	108
144	Simulation of high latitude hydrological processes in the Torneâ€“Kalix basin: PILPS Phase 2(e). <i>Global and Planetary Change</i> , 2003, 38, 31-53.	1.6	106

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145	Parameterization of Blowing-Snow Sublimation in a Macroscale Hydrology Model. Journal of Hydrometeorology, 2004, 5, 745-762.	0.7	105
146	Climate change impacts on water management and irrigated agriculture in the Yakima River Basin, Washington, USA. Climatic Change, 2010, 102, 287-317.	1.7	104
147	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
148	On the Causes of Declining Colorado River Streamflows. Water Resources Research, 2018, 54, 6739-6756.	1.7	103
149	Hydrologic effects of logging in western Washington, United States. Water Resources Research, 2000, 36, 3223-3240.	1.7	102
150	International Global Precipitation Measurement (GPM) Program and Mission: An Overview. , 2007, , 611-653.		100
151	PROBABILISTIC METHODS IN STREAM QUALITY MANAGEMENT. Journal of the American Water Resources Association, 1975, 11, 115-130.	1.0	99
152	The NAME 2004 Field Campaign and Modeling Strategy. Bulletin of the American Meteorological Society, 2006, 87, 79-94.	1.7	98
153	Modeling ground heat flux in land surface parameterization schemes. Journal of Geophysical Research, 1999, 104, 9581-9600.	3.3	97
154	Are climatic or land cover changes the dominant cause of runoff trends in the Upper Mississippi River Basin?. Geophysical Research Letters, 2013, 40, 1104-1110.	1.5	97
155	Modeling seasonal snowpack evolution in the complex terrain and forested Colorado Headwaters region: A model intercomparison study. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,795.	1.2	95
156	Preliminary Characterization of SWOT Hydrology Error Budget and Global Capabilities. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 6-19.	2.3	94
157	Streamflow simulations of the terrestrial Arctic domain. Journal of Geophysical Research, 2005, 110, .	3.3	93
158	On the sources of global land surface hydrologic predictability. Hydrology and Earth System Sciences, 2013, 17, 2781-2796.	1.9	93
159	MULTIVARIATE NONPARAMETRIC TESTS FOR TREND IN WATER QUALITY. Journal of the American Water Resources Association, 1988, 24, 505-512.	1.0	92
160	The need for global, satellite-based observations of terrestrial surface waters. Eos, 2003, 84, 269-276.	0.1	92
161	Trends in stream quality in the continental United States, 1978-1987. Water Resources Research, 1991, 27, 327-339.	1.7	91
162	Hydrologic prediction for urban watersheds with the Distributed Hydrology"Soil"Vegetation Model. Hydrological Processes, 2008, 22, 4205-4213.	1.1	91

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163	Drought Monitoring for Washington State: Indicators and Applications. Journal of Hydrometeorology, 2011, 12, 66-83.	0.7	91
164	Seasonal hydrologic responses to climate change in the Pacific Northwest. Water Resources Research, 2015, 51, 1959-1976.	1.7	91
165	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
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