

Upmanu Lall

List of Publications by Citations

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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.

276 papers	9,392 citations	52 h-index	84 g-index
315 ext. papers	10,845 ext. citations	4.9 avg, IF	6.63 L-index

#	Paper	IF	Citations
276	A Nearest Neighbor Bootstrap For Resampling Hydrologic Time Series. <i>Water Resources Research</i> , 1996 , 32, 679-693	5.4	496
275	A k-nearest-neighbor simulator for daily precipitation and other weather variables. <i>Water Resources Research</i> , 1999 , 35, 3089-3101	5.4	285
274	Estimation of mutual information using kernel density estimators. <i>Physical Review E</i> , 1995 , 52, 2318-2321	1.4	234
273	Floods and climate: emerging perspectives for flood risk assessment and management. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1921-1942	3.9	184
272	Streamflow simulation: A nonparametric approach. <i>Water Resources Research</i> , 1997 , 33, 291-308	5.4	181
271	Floods in a changing climate: Does the past represent the future?. <i>Water Resources Research</i> , 2001 , 37, 3193-3205	5.4	173
270	Water and economic development: The role of variability and a framework for resilience. <i>Natural Resources Forum</i> , 2006 , 30, 306-317	2.2	170
269	Flood risks and impacts: A case study of Thailand's floods in 2011 and research questions for supply chain decision making. <i>International Journal of Disaster Risk Reduction</i> , 2015 , 14, 256-272	4.5	152
268	Spatiotemporal Variability of ENSO and SST Teleconnections to Summer Drought over the United States during the Twentieth Century. <i>Journal of Climate</i> , 2000 , 13, 4244-4255	4.4	143
267	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. <i>Monthly Weather Review</i> , 2002 , 130, 1792-1811	2.4	142
266	Multi-variate flood damage assessment: a tree-based data-mining approach. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 53-64	3.9	141
265	Use of satellite imagery for water quality studies in New York Harbor. <i>Estuarine, Coastal and Shelf Science</i> , 2004 , 61, 437-448	2.9	141
264	A rainwater harvesting system reliability model based on nonparametric stochastic rainfall generator. <i>Journal of Hydrology</i> , 2010 , 392, 105-118	6	137
263	Changing Frequency and Intensity of Rainfall Extremes over India from 1951 to 2003. <i>Journal of Climate</i> , 2009 , 22, 4737-4746	4.4	130
262	National trends in drinking water quality violations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2078-2083	11.5	129
261	Improved Combination of Multiple Atmospheric GCM Ensembles for Seasonal Prediction. <i>Monthly Weather Review</i> , 2004 , 132, 2732-2744	2.4	119
260	Is an Epic Pluvial Masking the Water Insecurity of the Greater New York City Region?*,+. <i>Journal of Climate</i> , 2013 , 26, 1339-1354	4.4	116

259	Depletion and response of deep groundwater to climate-induced pumping variability. <i>Nature Geoscience</i> , 2017 , 10, 105-108	18.3	111
258	Hydrology: The interdisciplinary science of water. <i>Water Resources Research</i> , 2015 , 51, 4409-4430	5.4	108
257	Disaggregation procedures for stochastic hydrology based on nonparametric density estimation. <i>Water Resources Research</i> , 1998 , 34, 107-119	5.4	107
256	A Nonparametric Wet/Dry Spell Model for Resampling Daily Precipitation. <i>Water Resources Research</i> , 1996 , 32, 2803-2823	5.4	105
255	Magnitude and timing of annual maximum floods: Trends and large-scale climatic associations for the Blacksmith Fork River, Utah. <i>Water Resources Research</i> , 2000 , 36, 3641-3651	5.4	104
254	Anomalous ENSO Occurrences: An Alternate View*. <i>Journal of Climate</i> , 1997 , 10, 2351-2357	4.4	102
253	Probabilistic Multimodel Regional Temperature Change Projections. <i>Journal of Climate</i> , 2006 , 19, 4326-4343	4.4	99
252	Flood quantiles in a changing climate: Seasonal forecasts and causal relations. <i>Water Resources Research</i> , 2003 , 39,	5.4	99
251	Climate informed flood frequency analysis and prediction in Montana using hierarchical Bayesian modeling. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	96
250	Spatial scaling in a changing climate: A hierarchical bayesian model for non-stationary multi-site annual maximum and monthly streamflow. <i>Journal of Hydrology</i> , 2010 , 383, 307-318	6	92
249	Greedy algae reduce arsenate. <i>Limnology and Oceanography</i> , 2003 , 48, 2275-2288	4.8	91
248	Seasonal to interannual ensemble streamflow forecasts for Ceara, Brazil: Applications of a multivariate, semiparametric algorithm. <i>Water Resources Research</i> , 2003 , 39,	5.4	89
247	The future role of dams in the United States of America. <i>Water Resources Research</i> , 2017 , 53, 982-998	5.4	87
246	A stochastic nonparametric technique for space-time disaggregation of streamflows. <i>Water Resources Research</i> , 2007 , 43,	5.4	82
245	Recent advances in nonparametric function estimation: Hydrologic applications. <i>Reviews of Geophysics</i> , 1995 , 33, 1093-1102	23.1	82
244	A copula-based nonstationary frequency analysis for the 2012-2015 drought in California. <i>Water Resources Research</i> , 2016 , 52, 5662-5675	5.4	80
243	Nonlinear Dynamics of the Great Salt Lake: Dimension Estimation. <i>Water Resources Research</i> , 1996 , 32, 149-159	5.4	80
242	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. <i>Water Resources Research</i> , 2010 , 46,	5.4	79

241	Stochastic simulation model for nonstationary time series using an autoregressive wavelet decomposition: Applications to rainfall and temperature. <i>Water Resources Research</i> , 2007 , 43,	5.4	76
240	Flood frequencies and durations and their response to El Niño Southern Oscillation: Global analysis. <i>Journal of Hydrology</i> , 2016 , 539, 358-378	6	73
239	A nonparametric approach for daily rainfall simulation. <i>Mathematics and Computers in Simulation</i> , 1999 , 48, 361-371	3.3	67
238	Interannual variability in western US precipitation. <i>Journal of Hydrology</i> , 1998 , 210, 51-67	6	66
237	Over-extraction from shallow bedrock versus deep alluvial aquifers: Reliability versus sustainability considerations for India's groundwater irrigation. <i>Water Resources Research</i> , 2011 , 47,	5.4	64
236	Nonlinear Dynamics of the Great Salt Lake: Nonparametric Short-Term Forecasting. <i>Water Resources Research</i> , 1996 , 32, 975-985	5.4	64
235	Dynamical Structure of Extreme Floods in the U.S. Midwest and the United Kingdom. <i>Journal of Hydrometeorology</i> , 2013 , 14, 485-504	3.7	62
234	Improved water allocation utilizing probabilistic climate forecasts: Short-term water contracts in a risk management framework. <i>Water Resources Research</i> , 2009 , 45,	5.4	61
233	Modeling the effect of algal dynamics on arsenic speciation in Lake Biwa. <i>Environmental Science & Technology</i> , 2004 , 38, 6716-23	10.3	61
232	The Great Salt Lake: A Barometer of Low-Frequency Climatic Variability. <i>Water Resources Research</i> , 1995 , 31, 2503-2515	5.4	60
231	A Tree-Ring-Based Reconstruction of Delaware River Basin Streamflow Using Hierarchical Bayesian Regression. <i>Journal of Climate</i> , 2013 , 26, 4357-4374	4.4	58
230	Nonlinear dynamics of the Great Salt Lake: system identification and prediction. <i>Climate Dynamics</i> , 1996 , 12, 287-297	4.2	58
229	Kernel flood frequency estimators: Bandwidth selection and kernel choice. <i>Water Resources Research</i> , 1993 , 29, 1003-1015	5.4	58
228	Using Bayesian networks to model watershed management decisions: an East Canyon Creek case study. <i>Journal of Hydroinformatics</i> , 2005 , 7, 267-282	2.6	56
227	Seasonal to interannual rainfall probabilistic forecasts for improved water supply management: Part 2 [Predictor identification of quarterly rainfall using ocean-atmosphere information. <i>Journal of Hydrology</i> , 2000 , 239, 240-248	6	56
226	Decadal-to-centennial-scale climate variability: Insights into the rise and fall of the Great Salt Lake. <i>Geophysical Research Letters</i> , 1995 , 22, 937-940	4.9	56
225	Kernel quantite function estimator for flood frequency analysis. <i>Water Resources Research</i> , 1994 , 30, 3095-3103	5.4	54
224	A climate informed model for nonstationary flood risk prediction: Application to Negro River at Manaus, Amazonia. <i>Journal of Hydrology</i> , 2015 , 522, 594-602	6	52

223	Charting unknown watersOn the role of surprise in flood risk assessment and management. <i>Water Resources Research</i> , 2015 , 51, 6399-6416	5.4	52
222	Classifying North Atlantic Tropical Cyclone Tracks by Mass Moments*. <i>Journal of Climate</i> , 2009 , 22, 5481-5494	5.4	52
221	Multisite disaggregation of monthly to daily streamflow. <i>Water Resources Research</i> , 2000 , 36, 1823-1833	5.4	50
220	Modeling multivariable hydrological series: Principal component analysis or independent component analysis?. <i>Water Resources Research</i> , 2007 , 43,	5.4	49
219	A hierarchical Bayesian regional model for nonstationary precipitation extremes in Northern California conditioned on tropical moisture exports. <i>Water Resources Research</i> , 2015 , 51, 1472-1492	5.4	48
218	Seasonality and Interannual Variations of Northern Hemisphere Temperature: Equator-to-Pole Gradient and OceanLand Contrast. <i>Journal of Climate</i> , 1999 , 12, 1086-1100	4.4	48
217	El-Niño/Southern Oscillation (ENSO) influences on monthly NO3 load and concentration, stream flow and precipitation in the Little River Watershed, Tifton, Georgia (GA). <i>Journal of Hydrology</i> , 2010 , 381, 352-363	6	46
216	A stochastic nonparametric approach for streamflow generation combining observational and paleoreconstructed data. <i>Water Resources Research</i> , 2008 , 44,	5.4	46
215	Nonhomogeneous Markov Model for Daily Precipitation. <i>Journal of Hydrologic Engineering - ASCE</i> , 1996 , 1, 33-40	1.8	46
214	The Role of Monthly Updated Climate Forecasts in Improving Intraseasonal Water Allocation. <i>Journal of Applied Meteorology and Climatology</i> , 2009 , 48, 1464-1482	2.7	44
213	Simulation of daily rainfall scenarios with interannual and multidecadal climate cycles for South Florida. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 879-896	3.5	44
212	A modified support vector machine based prediction model on streamflow at the Shihmen Reservoir, Taiwan. <i>International Journal of Climatology</i> , 2010 , 30, 1256-1268	3.5	42
211	Climate, stream flow prediction and water management in northeast Brazil: societal trends and forecast value. <i>Climatic Change</i> , 2007 , 84, 217-239	4.5	42
210	The Hydro-economics of Mining. <i>Ecological Economics</i> , 2018 , 145, 368-379	5.6	41
209	Locally weighted polynomial regression: Parameter choice and application to forecasts of the Great Salt Lake. <i>Water Resources Research</i> , 2006 , 42,	5.4	41
208	Precipitation predictability associated with tropical moisture exports and circulation patterns for a major flood in France in 1995. <i>Water Resources Research</i> , 2013 , 49, 6381-6392	5.4	40
207	America's water risk: Current demand and climate variability. <i>Geophysical Research Letters</i> , 2015 , 42, 2285-2293	4.9	40
206	El NiñoSouthern OscillationBased index insurance for floods: Statistical risk analyses and application to Peru. <i>Water Resources Research</i> , 2007 , 43,	5.4	40

205	Climate teleconnections to Yangtze river seasonal streamflow at the Three Gorges Dam, China. <i>International Journal of Climatology</i> , 2007 , 27, 771-780	3.5	39
204	The unusual 2013-2015 drought in South Korea in the context of a multicentury precipitation record: Inferences from a nonstationary, multivariate, Bayesian copula model. <i>Geophysical Research Letters</i> , 2016 , 43, 8534-8544	4.9	38
203	Modeling and simulation of the vulnerability of interdependent power-water infrastructure networks to cascading failures. <i>Journal of Systems Science and Systems Engineering</i> , 2016 , 25, 102-118	1.2	38
202	Seasonal and annual maximum streamflow forecasting using climate information: application to the Three Gorges Dam in the Yangtze River basin, China / Prédiction d'éboulements saisonnier et maximum annuel à l'aide d'informations climatiques: application au Barrage des Trois Gorges dans le bassin du Fleuve Yangtze, Chine. <i>Hydrological Sciences Journal</i> , 2009 , 54, 582-595	3.5	38
201	Local polynomial method for ensemble forecast of time series. <i>Nonlinear Processes in Geophysics</i> , 2005 , 12, 397-406	2.9	38
200	Resolving Contrasting Regional Rainfall Responses to El Niño over Tropical Africa. <i>Journal of Climate</i> , 2016 , 29, 1461-1476	4.4	37
199	Role of Retrospective Forecasts of GCMs Forced with Persisted SST Anomalies in Operational Streamflow Forecasts Development. <i>Journal of Hydrometeorology</i> , 2008 , 9, 212-227	3.7	37
198	An optimization model for screening multipurpose reservoir systems. <i>Water Resources Research</i> , 1988 , 24, 953-968	5.4	37
197	Hierarchical Bayesian modeling of multisite daily rainfall occurrence: Rainy season onset, peak, and end. <i>Water Resources Research</i> , 2009 , 45,	5.4	35
196	Support vector machines for nonlinear state space reconstruction: Application to the Great Salt Lake time series. <i>Water Resources Research</i> , 2005 , 41,	5.4	35
195	Seasonality of streamflow: The Upper Mississippi River. <i>Water Resources Research</i> , 1999 , 35, 1143-1154	5.4	35
194	Regional frequency analysis conditioned on large-scale atmospheric or oceanic fields. <i>Water Resources Research</i> , 2014 , 50, 9536-9554	5.4	34
193	Hierarchical Bayesian clustering for nonstationary flood frequency analysis: Application to trends of annual maximum flow in Germany. <i>Water Resources Research</i> , 2015 , 51, 6586-6601	5.4	34
192	Multivariate nonparametric resampling scheme for generation of daily weather variables. <i>Stochastic Hydrology & Hydraulics</i> , 1997 , 11, 65-93		34
191	A hierarchical Bayesian GEV model for improving local and regional flood quantile estimates. <i>Journal of Hydrology</i> , 2016 , 541, 816-823	6	33
190	A comparison of tail probability estimators for flood frequency analysis. <i>Journal of Hydrology</i> , 1993 , 151, 343-363	6	33
189	Climate informed monthly streamflow forecasts for the Brazilian hydropower network using a periodic ridge regression model. <i>Journal of Hydrology</i> , 2010 , 380, 438-449	6	32
188	Evaluation of kernel density estimation methods for daily precipitation resampling. <i>Stochastic Hydrology & Hydraulics</i> , 1997 , 11, 523-547		32

187	Groundwater Depletion and Associated CO2 Emissions in India. <i>Earth's Future</i> , 2018 , 6, 1672-1681	7.9	32
186	A Snapshot of the World's Groundwater Challenges. <i>Annual Review of Environment and Resources</i> , 2020 , 45, 171-194	17.2	31
185	Kernel bandwidth selection for a first order nonparametric streamflow simulation model. <i>Stochastic Hydrology & Hydraulics</i> , 1998 , 12, 33-52		30
184	El Niño-induced flooding in the U.S. West: What can we expect?. <i>Eos</i> , 2002 , 83, 349	1.5	29
183	Six centuries of Upper Indus Basin streamflow variability and its climatic drivers. <i>Water Resources Research</i> , 2018 , 54, 5687-5701	5.4	28
182	Climate information based streamflow and rainfall forecasts for Huai River basin using hierarchical Bayesian modeling. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 1539-1548	5.5	28
181	Intrinsic modulation of ENSO predictability viewed through a local Lyapunov lens. <i>Climate Dynamics</i> , 2014 , 42, 253-270	4.2	28
180	A Simple Framework for Incorporating Seasonal Streamflow Forecasts into Existing Water Resource Management Practices ¹ . <i>Journal of the American Water Resources Association</i> , 2010 , 46, 574-585 ^{2,1}		28
179	Multivariate streamflow forecasting using independent component analysis. <i>Water Resources Research</i> , 2008 , 44,	5.4	28
178	Groundwater depletion will reduce cropping intensity in India. <i>Science Advances</i> , 2021 , 7,	14.3	28
177	Large scale climate and rainfall seasonality in a Mediterranean Area: Insights from a non-homogeneous Markov model applied to the Agro-Pontino plain. <i>Hydrological Processes</i> , 2017 , 31, 668-686	3.3	27
176	DebatesThe future of hydrological sciences: A (common) path forward? One water. One world. Many climes. Many souls. <i>Water Resources Research</i> , 2014 , 50, 5335-5341	5.4	27
175	Daily Precipitation and Tropical Moisture Exports across the Eastern United States: An Application of Archetypal Analysis to Identify Spatiotemporal Structure. <i>Journal of Climate</i> , 2015 , 28, 8585-8602	4.4	27
174	Assessing chronic and climate-induced water risk through spatially distributed cumulative deficit measures: A new picture of water sustainability in India. <i>Water Resources Research</i> , 2013 , 49, 2135-2145	5.4	27
173	Statistical Prediction of ENSO from Subsurface Sea Temperature Using a Nonlinear Dimensionality Reduction. <i>Journal of Climate</i> , 2009 , 22, 4501-4519	4.4	27
172	Forecasting Spring Reservoir Inflows in Churchill Falls Basin in Québec, Canada. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008 , 13, 426-437	1.8	27
171	Flood hazard assessment from storm tides, rain and sea level rise for a tidal river estuary. <i>Natural Hazards</i> , 2020 , 102, 729-757	3	27
170	A kernel estimator for discrete distributions. <i>Journal of Nonparametric Statistics</i> , 1995 , 4, 409-426	0.7	26

169	Causes, impacts and patterns of disastrous river floods. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 592-609	30.2	26
168	Supply Chain Analysis of Contract Farming. <i>Manufacturing and Service Operations Management</i> , 2019 , 21, 361-378	4.6	25
167	Uncertainty assessment of hydrologic and climate forecast models in Northeastern Brazil. <i>Hydrological Processes</i> , 2012 , 26, 3875-3885	3.3	25
166	Predictive downscaling based on non-homogeneous hidden Markov models. <i>Hydrological Sciences Journal</i> , 2010 , 55, 333-350	3.5	25
165	A Multivariate Frequency-Domain Approach to Long-Lead Climatic Forecasting*. <i>Weather and Forecasting</i> , 1998 , 13, 58-74	2.1	25
164	Changes in the seasonality of tornado and favorable genesis conditions in the central United States. <i>Geophysical Research Letters</i> , 2015 , 42, 4224-4231	4.9	24
163	DYNAMIC NEAREST-NEIGHBOR METHOD FOR ESTIMATING SOIL WATER PARAMETERS. <i>Transactions of the American Society of Agricultural Engineers</i> , 2004 , 47, 1437-1444		24
162	Atmospheric Flow Indices and Interannual Great Salt Lake Variability. <i>Journal of Hydrologic Engineering - ASCE</i> , 1996 , 1, 55-62	1.8	24
161	Multiscale temporal variability and regional patterns in 555 years of conterminous U.S. streamflow. <i>Water Resources Research</i> , 2017 , 53, 3047-3066	5.4	23
160	Atmospheric Circulation Patterns Associated with Extreme United States Floods Identified via Machine Learning. <i>Scientific Reports</i> , 2019 , 9, 7171	4.9	23
159	A hierarchical Bayesian regression model for predicting summer residential electricity demand across the U.S.A.. <i>Energy</i> , 2017 , 140, 601-611	7.9	23
158	Probabilistic Models Significantly Reduce Uncertainty in Hurricane Harvey Pluvial Flood Loss Estimates. <i>Earth's Future</i> , 2019 , 7, 384-394	7.9	22
157	Can PDSI inform extreme precipitation?: An exploration with a 500 year long paleoclimate reconstruction over the U.S.. <i>Water Resources Research</i> , 2016 , 52, 3866-3880	5.4	22
156	Space-time structure of extreme precipitation in Europe over the last century. <i>International Journal of Climatology</i> , 2015 , 35, 1749-1760	3.5	22
155	Relative contribution of climate variability and human activities on the water loss of the Chari/Logone River discharge into Lake Chad: A conceptual and statistical approach. <i>Journal of Hydrology</i> , 2019 , 569, 519-531	6	22
154	Optimal parameter estimation for Muskingum routing with ungauged lateral inflow. <i>Journal of Hydrology</i> , 1995 , 169, 25-35	6	21
153	Development of a Demand Sensitive Drought Index and its application for agriculture over the conterminous United States. <i>Journal of Hydrology</i> , 2016 , 534, 219-229	6	20
152	Episodic interannual climate oscillations and their influence on seasonal rainfall in the Everglades National Park. <i>Water Resources Research</i> , 2006 , 42,	5.4	20

151	Estimation of Pearson type 3 moments. <i>Water Resources Research</i> , 1982 , 18, 1563-1569	5.4	20
150	How unprecedented was the February 2021 Texas cold snap?. <i>Environmental Research Letters</i> , 2021 , 16, 064056	6.2	20
149	Tailings Dams Failures: Updated Statistical Model for Discharge Volume and Runout. <i>Environments - MDPI</i> , 2018 , 5, 28	3.2	20
148	The effects of land use change and precipitation change on direct runoff in Wei River watershed, China. <i>Water Science and Technology</i> , 2015 , 71, 289-95	2.2	19
147	Spatially coherent trends of annual maximum daily precipitation in the United States. <i>Geophysical Research Letters</i> , 2015 , 42, 9781-9789	4.9	19
146	Seasonality of precipitation along a meridian in the western United States. <i>Geophysical Research Letters</i> , 1995 , 22, 1081-1084	4.9	19
145	Nonlinear dynamics and the Great Salt Lake: A predictable indicator of regional climate. <i>Energy</i> , 1996 , 21, 655-665	7.9	19
144	Regional Extreme Precipitation Events: Robust Inference From Credibly Simulated GCM Variables. <i>Water Resources Research</i> , 2018 , 54, 3809-3824	5.4	18
143	Can a paleodrought record be used to reconstruct streamflow?: A case study for the Missouri River Basin. <i>Water Resources Research</i> , 2016 , 52, 5195-5212	5.4	18
142	Surface Temperature Gradients as Diagnostic Indicators of Midlatitude Circulation Dynamics. <i>Journal of Climate</i> , 2012 , 25, 4154-4171	4.4	18
141	America's water: Agricultural water demands and the response of groundwater. <i>Geophysical Research Letters</i> , 2016 , 43, 7546-7555	4.9	17
140	Optimal Crop Choice, Irrigation Allocation, and the Impact of Contract Farming. <i>Production and Operations Management</i> , 2013 , 22, n/a-n/a	3.6	17
139	Yield Model for Screening Surface- and Ground-Water Development. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1995 , 121, 9-22	2.8	17
138	Wavelet-based time series bootstrap model for multidecadal streamflow simulation using climate indicators. <i>Water Resources Research</i> , 2016 , 52, 4061-4077	5.4	17
137	The U.S. Water Data Gap: A Survey of State-Level Water Data Platforms to Inform the Development of a National Water Portal. <i>Earth's Future</i> , 2019 , 7, 433-449	7.9	16
136	The Role of Multimodel Climate Forecasts in Improving Water and Energy Management over the Tana River Basin, Kenya. <i>Journal of Applied Meteorology and Climatology</i> , 2013 , 52, 2460-2475	2.7	16
135	Comment on Quantifying renewable groundwater stress with GRACE by Alexandra S. Richey et al.. <i>Water Resources Research</i> , 2016 , 52, 4184-4187	5.4	16
134	Exploring the Predictability of 30-Day Extreme Precipitation Occurrence Using a Global SST-BLP Correlation Network. <i>Journal of Climate</i> , 2016 , 29, 1013-1029	4.4	15

133	Spatiotemporal Structure of Precipitation Related to Tropical Moisture Exports over the Eastern United States and Its Relation to Climate Teleconnections. <i>Journal of Hydrometeorology</i> , 2016 , 17, 897-913	3.7	15
132	An Empirical, Nonparametric Simulator for Multivariate Random Variables with Differing Marginal Densities and Nonlinear Dependence with Hydroclimatic Applications. <i>Risk Analysis</i> , 2016 , 36, 57-73	3.9	15
131	Local Polynomial-Based Flood Frequency Estimator for Mixed Population. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010 , 15, 680-691	1.8	15
130	Climate informed long term seasonal forecasts of hydroenergy inflow for the Brazilian hydropower system. <i>Journal of Hydrology</i> , 2010 , 381, 65-75	6	15
129	Transport in the Hudson estuary: A modeling study of estuarine circulation and tidal trapping. <i>Estuaries and Coasts</i> , 2004 , 27, 527-538		15
128	An optimization model for unconfined stratified aquifer systems. <i>Journal of Hydrology</i> , 1989 , 111, 145-162		15
127	Building Private Sector Resilience: Directions After the 2015 Sendai Framework. <i>Journal of Disaster Research</i> , 2016 , 11, 535-543	0.8	15
126	Floods and climate: emerging perspectives for flood risk assessment and management		15
125	Can Electricity Pricing Save India's Groundwater? Field Evidence from a Novel Policy Mechanism in Gujarat. <i>Journal of the Association of Environmental and Resource Economists</i> , 2016 , 3, 819-855	2.1	15
124	Copula-based reliability and sensitivity analysis of aging dams: Adaptive Kriging and polynomial chaos Kriging methods. <i>Applied Soft Computing Journal</i> , 2021 , 109, 107524	7.5	15
123	Nonstationary extreme flood/rainfall frequency analysis informed by large-scale oceanic fields for Xidayang Reservoir in North China. <i>International Journal of Climatology</i> , 2017 , 37, 3810-3820	3.5	14
122	El Niño and the U.S. precipitation and floods: What was expected for the January-March 2016 winter hydroclimate that is now unfolding?. <i>Water Resources Research</i> , 2016 , 52, 1498-1501	5.4	14
121	Projecting changes in Tanzania rainfall for the 21st century. <i>International Journal of Climatology</i> , 2016 , 36, 4297-4314	3.5	14
120	HITS: Hurricane Intensity and Track Simulator with North Atlantic Ocean Applications for Risk Assessment. <i>Journal of Applied Meteorology and Climatology</i> , 2015 , 54, 1620-1636	2.7	14
119	Interpreting variability in global SST data using independent component analysis and principal component analysis. <i>International Journal of Climatology</i> , 2009 , 30, n/a-n/a	3.5	14
118	Demand management of groundwater with monsoon forecasting. <i>Agricultural Systems</i> , 2006 , 90, 293-316	1.1	14
117	Seven centuries of reconstructed Brahmaputra River discharge demonstrate underestimated high discharge and flood hazard frequency. <i>Nature Communications</i> , 2020 , 11, 6017	17.4	14
116	Assessing the economic impact of a low-cost water-saving irrigation technology in Indian Punjab: the tensiometer. <i>Water International</i> , 2018 , 43, 305-321	2.4	13

115	An event synchronization method to link heavy rainfall events and large-scale atmospheric circulation features. <i>International Journal of Climatology</i> , 2018 , 38, 1421-1437	3.5	13
114	Monthly Streamflow Simulation for the Headwater Catchment of the Yellow River Basin With a Hybrid Statistical-Dynamical Model. <i>Water Resources Research</i> , 2019 , 55, 7606-7621	5.4	13
113	China's water sustainability in the 21st century: a climate-informed water risk assessment covering multi-sector water demands. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 1653-1662	5.5	13
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