Upmanu Lall

List of Publications by Year in Descending Order

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	The importance of infrastructure and national demand to represent constraints on water supply in the United States. *Global Environmental Change*, **2022**, 73, 102468	10.1	1
275	Last two millennia of streamflow variability in the headwater catchment of the Yellow River basin reconstructed from tree rings. *Journal of Hydrology*, **2022**, 606, 127387	6	0
274	A k-nearest neighbor space-time simulator with applications to large-scale wind and solar power modeling.. *Patterns*, **2022**, 3, 100454	5.1	
273	Enabling AI innovation via data and model sharing: An overview of the NSF Convergence Accelerator Track D. *AI Magazine*, **2022**, 43, 93-104	6.1	1
272	A Flood Risk Management Model to Identify Optimal Defence Policies in Coastal Areas Considering Uncertainties in Climate Projections. *Water (Switzerland)*, **2022**, 14, 1481	3	0
271	Early Season Hurricane Risk Assessment: Climate-Conditioned HITS Simulation of North Atlantic Tropical Storm Tracks. *Journal of Applied Meteorology and Climatology*, **2021**, 60, 559-575	2.7	1
270	How unprecedented was the February 2021 Texas cold snap?. *Environmental Research Letters*, **2021**, 16, 064056	6.2	20
269	Landscape changes and their hydrologic effects: Interactions and feedbacks across scales. *Earth-Science Reviews*, **2021**, 212, 103466	10.2	6
268	Making waves: Right in our backyard- surface discharge of untreated wastewater from homes in the United States. *Water Research*, **2021**, 190, 116647	12.5	6
267	Africa Would Need to Import More Maize in the Future Even Under 1.5°C Warming Scenario. *Earth's Future*, **2021**, 9, e2020EF001574	7.9	3
266	Groundwater depletion will reduce cropping intensity in India. *Science Advances*, **2021**, 7,	14.3	28
265	Space-time clustering of climate extremes amplify global climate impacts, leading to fat-tailed risk. *Natural Hazards and Earth System Sciences*, **2021**, 21, 2277-2284	3.9	1
264	Causes, impacts and patterns of disastrous river floods. *Nature Reviews Earth & Environment*, **2021**, 2, 592-609	30.2	26
263	Superposed Natural Hazards and Pandemics: Breaking Dams, Floods, and COVID-19. *Sustainability*, **2021**, 13, 8713	3.6	4
262	A Bayesian Hierarchical Network Model for Daily Streamflow Ensemble Forecasting. *Water Resources Research*, **2021**, 57, e2021WR029920	5.4	1
261	Copula-based reliability and sensitivity analysis of aging dams: Adaptive Kriging and polynomial chaos Kriging methods. *Applied Soft Computing Journal*, **2021**, 109, 107524	7.5	15
260	Multi-dimensional and Interacting Water and Climate Risks and Pricing Them in the Industry Context. *Palgrave Studies in Sustainable Business in Association With Future Earth*, **2021**, 303-327	0.4	0

259	A Snapshot of the World's Groundwater Challenges. *Annual Review of Environment and Resources*, **2020**, 45, 171-194	17.2	31
258	Stochastic Scenarios for 21st Century Rainfall Seasonality, Daily Frequency, and Intensity in South Florida. *Journal of Water Resources Planning and Management - ASCE*, **2020**, 146, 04020058	2.8	1
257	An observation-driven optimization method for continuous estimation of evaporative fraction over large heterogeneous areas. *Remote Sensing of Environment*, **2020**, 247, 111887	13.2	2
256	Adaptation over Fatalism: Leveraging High-Impact Climate Disasters to Boost Societal Resilience. *Journal of Water Resources Planning and Management - ASCE*, **2020**, 146, 01820001	2.8	0
255	Larger Drought and Flood Hazards and Adverse Impacts on Population and Economic Productivity Under 2.0 than 1.5°C Warming. *Earth's Future*, **2020**, 8, e2019EF001398	7.9	8
254	A Multiscale Precipitation Forecasting Framework: Linking Teleconnections and Climate Dipoles to Seasonal and 24-hr Extreme Rainfall Prediction. *Geophysical Research Letters*, **2020**, 47, e2019GL085418	4.9	2
253	The effects of pre-season high flows, climate, and the Three Gorges Dam on low flow at the Three Gorges Region, China. *Hydrological Processes*, **2020**, 34, 2088-2100	3.3	1
252	Synchronization and Delay Between Circulation Patterns and High Streamflow Events in Germany. *Water Resources Research*, **2020**, 56, e2019WR025598	5.4	3
251	ENSO Dynamics, Trends, and Prediction Using Machine Learning. *Weather and Forecasting*, **2020**, 35, 2061-2081	1.7	3
250	The impact of the Three Gorges Dam on summer streamflow in the Yangtze River Basin. *Hydrological Processes*, **2020**, 34, 705-717	3.3	6
249	A City Wide Assessment of the Financial Benefits of Rainwater Harvesting in Mexico City. *Journal of the American Water Resources Association*, **2020**, 56, 247-269	2.1	1
248	GRAPS: Generalized Multi-Reservoir Analyses using probabilistic streamflow forecasts. *Environmental Modelling and Software*, **2020**, 133, 104802	5.2	1
247	Seven centuries of reconstructed Brahmaputra River discharge demonstrate underestimated high discharge and flood hazard frequency. *Nature Communications*, **2020**, 11, 6017	17.4	14
246	Flood hazard assessment from storm tides, rain and sea level rise for a tidal river estuary. *Natural Hazards*, **2020**, 102, 729-757	3	27
245	Detecting community response to water quality violations using bottled water sales. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 20917-20922	11.5	9
244	Robust Adaptation to Multiscale Climate Variability. *Earth's Future*, **2019**, 7, 734-747	7.9	10
243	Atmospheric Circulation Patterns Associated with Extreme United States Floods Identified via Machine Learning. *Scientific Reports*, **2019**, 9, 7171	4.9	23
242	Supply Chain Analysis of Contract Farming. *Manufacturing and Service Operations Management*, **2019**, 21, 361-378	4.6	25

241	An improved nonstationary model for flood frequency analysis and its implication for the Three Gorges Dam, China. *Hydrological Sciences Journal*, **2019**, 64, 845-855	3.5	6
240	Probabilistic Models Significantly Reduce Uncertainty in Hurricane Harvey Pluvial Flood Loss Estimates. *Earth's Future*, **2019**, 7, 384-394	7.9	22
239	Variability patterns of the annual frequency and timing of low streamflow days across the United States and their linkage to regional and large-scale climate. *Hydrological Processes*, **2019**, 33, 1569-1578	3.3	4
238	The U.S. Water Data Gap: A Survey of State-Level Water Data Platforms to Inform the Development of a National Water Portal. *Earth's Future*, **2019**, 7, 433-449	7.9	16
237	Streamflow Reconstruction in the Upper Missouri River Basin Using a Novel Bayesian Network Model. *Water Resources Research*, **2019**, 55, 7694-7716	5.4	7
236	Monthly Streamflow Simulation for the Headwater Catchment of the Yellow River Basin With a Hybrid Statistical-Dynamical Model. *Water Resources Research*, **2019**, 55, 7606-7621	5.4	13
235	A Nonlinear Dynamical Systems-Based Modeling Approach for Stochastic Simulation of Streamflow and Understanding Predictability. *Water Resources Research*, **2019**, 55, 6268-6284	5.4	5
234	Evaluating China's Water Security for Food Production: The Role of Rainfall and Irrigation. *Geophysical Research Letters*, **2019**, 46, 11155-11166	4.9	11
233	Development of a Non-Parametric Stationary Synthetic Rainfall Generator for Use in Hourly Water Resource Simulations. *Water (Switzerland)*, **2019**, 11, 1728	3	1
232	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. *Journal of Hydrology*, **2019**, 569, 519-531	6	22
231	Regional Extreme Precipitation Events: Robust Inference From Credibly Simulated GCM Variables. *Water Resources Research*, **2018**, 54, 3809-3824	5.4	18
230	National trends in drinking water quality violations. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2078-2083	11.5	129
229	The Hydro-economics of Mining. *Ecological Economics*, **2018**, 145, 368-379	5.6	41
228	Assessing the economic impact of a low-cost water-saving irrigation technology in Indian Punjab: the tensiometer. *Water International*, **2018**, 43, 305-321	2.4	13
227	A model robust real options valuation methodology incorporating climate risk. *Resources Policy*, **2018**, 57, 81-87	7.2	5
226	An event synchronization method to link heavy rainfall events and large-scale atmospheric circulation features. *International Journal of Climatology*, **2018**, 38, 1421-1437	3.5	13
225	Six centuries of Upper Indus Basin streamflow variability and its climatic drivers. *Water Resources Research*, **2018**, 54, 5687-5701	5.4	28
224	How Wet and Dry Spells Evolve across the Conterminous United States Based on 555 Years of Paleoclimate Data. *Journal of Climate*, **2018**, 31, 6633-6647	4.4	4

223	Willingness of farmers to pay for satellite-based irrigation advisory services: a southern Italy experience. *Journal of Agricultural Science*, **2018**, 156, 723-730	1	5
222	Invigorating hydrological research through journal publications. *Hydrological Sciences Journal*, **2018**, 63, 1113-1117	3.5	3
221	Chapter 3 : Water. Impacts, Risks, and Adaptation in the United States: The Fourth National Climate Assessment, Volume II **2018**,		7
220	Joint Editorial Invigorating Hydrological Research through Journal Publications. *Journal of Hydrology and Hydromechanics*, **2018**, 66, 257-260	2.1	1
219	County-Scale Rainwater Harvesting Feasibility in the United States: Climate, Collection Area, Density, and Reuse Considerations. *Journal of the American Water Resources Association*, **2018**, 54, 255-274	2.1	13
218	Sustainable Development of Water Resources: Spatio-Temporal Analysis of Water Stress in South Korea. *Sustainability*, **2018**, 10, 3795	3.6	3
217	Season-ahead forecasting of water storage and irrigation requirements an application to the southwest monsoon in India. *Hydrology and Earth System Sciences*, **2018**, 22, 5125-5141	5.5	4
216	Tailings Dams Failures: Updated Statistical Model for Discharge Volume and Runout. *Environments - MDPI*, **2018**, 5, 28	3.2	20
215	Joint editorial: Invigorating hydrological research through journal publications. *Hydrology and Earth System Sciences*, **2018**, 22, 5735-5739	5.5	2
214	An analysis of Peru: Is water driving mining conflicts?. *Resources Policy*, **2018**, 74, 101270	7.2	9
213	Groundwater Depletion and Associated CO2 Emissions in India. *Earth's Future*, **2018**, 6, 1672-1681	7.9	32
212	Invigorating Hydrological Research through Journal Publications. *Journal of Hydrometeorology*, **2018**, 19, 1713-1719	3.7	
211	Joint Editorial: Invigorating Hydrological Research through Journal Publications. *Vadose Zone Journal*, **2018**, 17, 180001ed	2.7	
210	The bridge between precipitation and temperature Pressure Change Events: Modeling future non-stationary precipitation. *Journal of Hydrology*, **2018**, 562, 346-357	6	8
209	A 500-Year Tree Ring-Based Reconstruction of Extreme Cold-Season Precipitation and Number of Atmospheric River Landfalls Across the Southwestern United States. *Geophysical Research Letters*, **2018**, 45, 5672-5680	4.9	7
208	The future role of dams in the United States of America. *Water Resources Research*, **2017**, 53, 982-998	5.4	87
207	Depletion and response of deep groundwater to climate-induced pumping variability. *Nature Geoscience*, **2017**, 10, 105-108	18.3	111
206	An index for drought induced financial risk in the mining industry. *Water Resources Research*, **2017**, 53, 1509-1524	5.4	9

205	Large scale climate and rainfall seasonality in a Mediterranean Area: Insights from a non-homogeneous Markov model applied to the Agro-Pontino plain. *Hydrological Processes*, **2017**, 31, 668-686	3.3	27
204	Optimizing multiple reliable forward contracts for reservoir allocation using multitime scale streamflow forecasts. *Water Resources Research*, **2017**, 53, 2035-2050	5.4	12
203	Multiscale temporal variability and regional patterns in 555 years of conterminous U.S. streamflow. *Water Resources Research*, **2017**, 53, 3047-3066	5.4	23
202	Nonstationary extreme flood/rainfall frequency analysis informed by large-scale oceanic fields for Xidayang Reservoir in North China. *International Journal of Climatology*, **2017**, 37, 3810-3820	3.5	14
201	Classification of mechanisms, Climatic Context, Areal Scaling, and Synchronization of floods: the hydroclimatology of floods in the Upper Paran River Basin, Brazil **2017**,		1
200	Zonal Wind Indices to Reconstruct CONUS Winter Precipitation. *Geophysical Research Letters*, **2017**, 44, 12,236	4.9	2
199	A hierarchical Bayesian regression model for predicting summer residential electricity demand across the U.S.A.. *Energy*, **2017**, 140, 601-611	7.9	23
198	Framework for minimising the impact of regional shocks on global food security using multi-objective ant colony optimisation. *Environmental Modelling and Software*, **2017**, 95, 303-319	5.2	5
197	Classification of mechanisms, climatic context, areal scaling, and synchronization of floods: the hydroclimatology of floods in the Upper Paran River basin, Brazil. *Earth System Dynamics*, **2017**, 8, 1071-1091	4.8	10
196	A water risk index for portfolio exposure to climatic extremes: conceptualization and an application to the mining industry. *Hydrology and Earth System Sciences*, **2017**, 21, 2075-2106	5.5	8
195	Tropical Moisture Exports, Extreme Precipitation and Floods in Northeastern US. *Earth Science Research*, **2017**, 6, 91		11
194	Low Streamflow Trends in the United States. *Turkish Journal of Water Science and Management*, **2017**, 1, 71-89	0.2	1
193	Hierarchical regression models for dendroclimatic standardization and climate reconstruction. *Dendrochronologia*, **2017**, 44, 174-186	2.8	6
192	Can a paleodrought record be used to reconstruct streamflow?: A case study for the Missouri River Basin. *Water Resources Research*, **2016**, 52, 5195-5212	5.4	18
191	A hierarchical Bayesian GEV model for improving local and regional flood quantile estimates. *Journal of Hydrology*, **2016**, 541, 816-823	6	33
190	A copula-based nonstationary frequency analysis for the 2012 2015 drought in California. *Water Resources Research*, **2016**, 52, 5662-5675	5.4	80
189	America's water: Agricultural water demands and the response of groundwater. *Geophysical Research Letters*, **2016**, 43, 7546-7555	4.9	17
188	The unusual 2013 2015 drought in South Korea in the context of a multicentury precipitation record: Inferences from a nonstationary, multivariate, Bayesian copula model. *Geophysical Research Letters*, **2016**, 43, 8534-8544	4.9	38

187	Can PDSI inform extreme precipitation?: An exploration with a 500 year long paleoclimate reconstruction over the U.S.. *Water Resources Research*, **2016**, 52, 3866-3880	5.4	22
186	El Niño and the U.S. precipitation and floods: What was expected for the January–March 2016 winter hydroclimate that is now unfolding?. *Water Resources Research*, **2016**, 52, 1498-1501	5.4	14
185	China's socioeconomic risk from extreme events in a changing climate: a hierarchical Bayesian model. *Climatic Change*, **2016**, 139, 169-181	4.5	7
184	Projecting changes in Tanzania rainfall for the 21st century. *International Journal of Climatology*, **2016**, 36, 4297-4314	3.5	14
183	Flood frequencies and durations and their response to El Niño Southern Oscillation: Global analysis. *Journal of Hydrology*, **2016**, 539, 358-378	6	73
182	Development of a Demand Sensitive Drought Index and its application for agriculture over the conterminous United States. *Journal of Hydrology*, **2016**, 534, 219-229	6	20
181	Exploring the Predictability of 30-Day Extreme Precipitation Occurrence Using a Global SST–SLP Correlation Network. *Journal of Climate*, **2016**, 29, 1013-1029	4.4	15
180	Spatiotemporal Structure of Precipitation Related to Tropical Moisture Exports over the Eastern United States and Its Relation to Climate Teleconnections. *Journal of Hydrometeorology*, **2016**, 17, 897-913	3.7	15
179	An Empirical, Nonparametric Simulator for Multivariate Random Variables with Differing Marginal Densities and Nonlinear Dependence with Hydroclimatic Applications. *Risk Analysis*, **2016**, 36, 57-73	3.9	15
178	Modeling and simulation of the vulnerability of interdependent power-water infrastructure networks to cascading failures. *Journal of Systems Science and Systems Engineering*, **2016**, 25, 102-118	1.2	38
177	Resolving Contrasting Regional Rainfall Responses to El Niño over Tropical Africa. *Journal of Climate*, **2016**, 29, 1461-1476	4.4	37
176	Building Private Sector Resilience: Directions After the 2015 Sendai Framework. *Journal of Disaster Research*, **2016**, 11, 535-543	0.8	15
175	Using a Participatory Stakeholder Process to Plan Water Development in Koraro, Ethiopia. *Water (Switzerland)*, **2016**, 8, 275	3	0
174	Wavelet-based time series bootstrap model for multidecadal streamflow simulation using climate indicators. *Water Resources Research*, **2016**, 52, 4061-4077	5.4	17
173	Can Electricity Pricing Save India's Groundwater? Field Evidence from a Novel Policy Mechanism in Gujarat. *Journal of the Association of Environmental and Resource Economists*, **2016**, 3, 819-855	2.1	15
172	Comment on "Quantifying renewable groundwater stress with GRACE" by Alexandra S. Richey et al.. *Water Resources Research*, **2016**, 52, 4184-4187	5.4	16
171	A climate informed model for nonstationary flood risk prediction: Application to Negro River at Manaus, Amazonia. *Journal of Hydrology*, **2015**, 522, 594-602	6	52
170	The effects of land use change and precipitation change on direct runoff in Wei River watershed, China. *Water Science and Technology*, **2015**, 71, 289-95	2.2	19

169	Predictive statistical models linking antecedent meteorological conditions and waterway bacterial contamination in urban waterways. *Water Research*, **2015**, 76, 143-59	12.5	11
168	Hydrology: The interdisciplinary science of water. *Water Resources Research*, **2015**, 51, 4409-4430	5.4	108
167	Flood risks and impacts: A case study of Thailand's floods in 2011 and research questions for supply chain decision making. *International Journal of Disaster Risk Reduction*, **2015**, 14, 256-272	4.5	152
166	Modeling winter rainfall in Northwest India using a hidden Markov model: understanding occurrence of different states and their dynamical connections. *Climate Dynamics*, **2015**, 44, 1003-1015	4.2	12
165	America's water risk: Current demand and climate variability. *Geophysical Research Letters*, **2015**, 42, 2285-2293	4.9	40
164	Spatially coherent trends of annual maximum daily precipitation in the United States. *Geophysical Research Letters*, **2015**, 42, 9781-9789	4.9	19
163	A hierarchical Bayesian regional model for nonstationary precipitation extremes in Northern California conditioned on tropical moisture exports. *Water Resources Research*, **2015**, 51, 1472-1492	5.4	48
162	Charting unknown waters On the role of surprise in flood risk assessment and management. *Water Resources Research*, **2015**, 51, 6399-6416	5.4	52
161	Scaling of extreme rainfall areas at a planetary scale. *Chaos*, **2015**, 25, 075407	3.3	6
160	Introduction to the Focus Issue: Physics of Scaling and Self-similarity in Hydrologic Dynamics, Hydrodynamics, and Climate. *Chaos*, **2015**, 25, 075201	3.3	3
159	Changes in the seasonality of tornado and favorable genesis conditions in the central United States. *Geophysical Research Letters*, **2015**, 42, 4224-4231	4.9	24
158	Space-time structure of extreme precipitation in Europe over the last century. *International Journal of Climatology*, **2015**, 35, 1749-1760	3.5	22
157	HITS: Hurricane Intensity and Track Simulator with North Atlantic Ocean Applications for Risk Assessment. *Journal of Applied Meteorology and Climatology*, **2015**, 54, 1620-1636	2.7	14
156	Hierarchical Bayesian clustering for nonstationary flood frequency analysis: Application to trends of annual maximum flow in Germany. *Water Resources Research*, **2015**, 51, 6586-6601	5.4	34
155	Daily Precipitation and Tropical Moisture Exports across the Eastern United States: An Application of Archetypal Analysis to Identify Spatiotemporal Structure. *Journal of Climate*, **2015**, 28, 8585-8602	4.4	27
154	Assessment of Agricultural Water Management in Punjab, India, Using Bayesian Methods **2015**, 147-162		7
153	Machine Learning Methods for ENSO Analysis and Prediction **2015**, 13-21		4
152	Debates The future of hydrological sciences: A (common) path forward? One water. One world. Many climes. Many souls. *Water Resources Research*, **2014**, 50, 5335-5341	5.4	27

151	Climate risk management for water in semi□rid regions. *Earth Perspectives -- Transdisciplinarity Enabled*, **2014**, 1, 12		12
150	Regional frequency analysis conditioned on large-scale atmospheric or oceanic fields. *Water Resources Research*, **2014**, 50, 9536-9554	5.4	34
149	Floods and climate: emerging perspectives for flood risk assessment and management. *Natural Hazards and Earth System Sciences*, **2014**, 14, 1921-1942	3.9	184
148	Climate information based streamflow and rainfall forecasts for Huai River basin using hierarchical Bayesian modeling. *Hydrology and Earth System Sciences*, **2014**, 18, 1539-1548	5.5	28
147	China's water sustainability in the 21st century: a climate-informed water risk assessment covering multi-sector water demands. *Hydrology and Earth System Sciences*, **2014**, 18, 1653-1662	5.5	13
146	Hydrological Time Series Analysis **2014**,		1
145	Intrinsic modulation of ENSO predictability viewed through a local Lyapunov lens. *Climate Dynamics* , **2014**, 42, 253-270	4.2	28
144	Precipitation predictability associated with tropical moisture exports and circulation patterns for a major flood in France in 1995. *Water Resources Research*, **2013**, 49, 6381-6392	5.4	40
143	Optimal Crop Choice, Irrigation Allocation, and the Impact of Contract Farming. *Production and Operations Management*, **2013**, 22, n/a-n/a	3.6	17
142	Diagnostics of Western Himalayan Satluj River flow: Warm season (MAM/JJAS) inflow into Bhakra dam in India. *Journal of Hydrology*, **2013**, 478, 132-147	6	11
141	Assessing chronic and climate-induced water risk through spatially distributed cumulative deficit measures: A new picture of water sustainability in India. *Water Resources Research*, **2013**, 49, 2135-2145	5.4	27
140	Implications of multi-scale sea level and climate variability for coastal resources. *Regional Environmental Change*, **2013**, 13, 91-100	4.3	10
139	Dynamical Structure of Extreme Floods in the U.S. Midwest and the United Kingdom. *Journal of Hydrometeorology*, **2013**, 14, 485-504	3.7	62
138	The Role of Multimodel Climate Forecasts in Improving Water and Energy Management over the Tana River Basin, Kenya. *Journal of Applied Meteorology and Climatology*, **2013**, 52, 2460-2475	2.7	16
137	A Tree-Ring-Based Reconstruction of Delaware River Basin Streamflow Using Hierarchical Bayesian Regression. *Journal of Climate*, **2013**, 26, 4357-4374	4.4	58
136	Is an Epic Pluvial Masking the Water Insecurity of the Greater New York City Region?*,+. *Journal of Climate*, **2013**, 26, 1339-1354	4.4	116
135	A Worldwide Comparison of Water Use Efficiency of Crop Production. *Applied Mechanics and Materials*, **2013**, 275-277, 2718-2722	0.3	
134	Predictability of Western Himalayan river flow: melt seasonal inflow into Bhakra Reservoir in northern India. *Hydrology and Earth System Sciences*, **2013**, 17, 2131-2146	5.5	13

133	Multi-variate flood damage assessment: a tree-based data-mining approach. *Natural Hazards and Earth System Sciences*, **2013**, 13, 53-64	3.9	141
132	Global Freshwater and Food Security in the Face of Potential Adversity **2013**, 120-141		2
131	Uncertainty assessment of hydrologic and climate forecast models in Northeastern Brazil. *Hydrological Processes*, **2012**, 26, 3875-3885	3.3	25
130	Mining time-lagged relationships in spatio-temporal climate data **2012**,		4
129	Contract farming with possible reneging in a developing country: Can it work?. *IIMB Management Review*, **2012**, 24, 187-202	1.9	8
128	Surface Temperature Gradients as Diagnostic Indicators of Midlatitude Circulation Dynamics. *Journal of Climate*, **2012**, 25, 4154-4171	4.4	18
127	Predicting foraging wading bird populations in Everglades National Park from seasonal hydrologic statistics under different management scenarios. *Water Resources Research*, **2011**, 47,	5.4	6
126	Over-extraction from shallow bedrock versus deep alluvial aquifers: Reliability versus sustainability considerations for India's groundwater irrigation. *Water Resources Research*, **2011**, 47,	5.4	64
125	Insights from a joint analysis of Indian and Chinese monsoon rainfall data. *Hydrology and Earth System Sciences*, **2011**, 15, 2709-2715	5.5	7
124	Climatic precursors of autumn streamflow in the northeast United States. *International Journal of Climatology*, **2011**, 31, 1773-1784	3.5	4
123	A Simple Framework for Incorporating Seasonal Streamflow Forecasts into Existing Water Resource Management Practices1. *Journal of the American Water Resources Association*, **2010**, 46, 574-585	2.1	28
122	Local Polynomial-Based Flood Frequency Estimator for Mixed Population. *Journal of Hydrologic Engineering - ASCE*, **2010**, 15, 680-691	1.8	15
121	Predictive downscaling based on non-homogeneous hidden Markov models. *Hydrological Sciences Journal*, **2010**, 55, 333-350	3.5	25
120	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. *Water Resources Research*, **2010**, 46,	5.4	79
119	Modeling Irrigated Area to Increase Water, Energy, and Food Security in Semiarid India. *Weather, Climate, and Society*, **2010**, 2, 255-270	2.3	11
118	Climate informed monthly streamflow forecasts for the Brazilian hydropower network using a periodic ridge regression model. *Journal of Hydrology*, **2010**, 380, 438-449	6	32
117	Climate informed long term seasonal forecasts of hydroenergy inflow for the Brazilian hydropower system. *Journal of Hydrology*, **2010**, 381, 65-75	6	15
116	El-Niño/Southern Oscillation (ENSO) influences on monthly NO3 load and concentration, stream flow and precipitation in the Little River Watershed, Tifton, Georgia (GA). *Journal of Hydrology*, **2010**, 381, 352-363	6	46

115	Spatial scaling in a changing climate: A hierarchical bayesian model for non-stationary multi-site annual maximum and monthly streamflow. *Journal of Hydrology*, **2010**, 383, 307-318	6	92
114	A rainwater harvesting system reliability model based on nonparametric stochastic rainfall generator. *Journal of Hydrology*, **2010**, 392, 105-118	6	137
113	A modified support vector machine based prediction model on streamflow at the Shihmen Reservoir, Taiwan. *International Journal of Climatology*, **2010**, 30, 1256-1268	3.5	42
112	Challenges in securing India's water future **2010**, 21-26		
111	Challenges in Securing India's Water Future. *Journal of Crop Improvement*, **2009**, 24, 85-91	1.4	7
110	Statistical Prediction of ENSO from Subsurface Sea Temperature Using a Nonlinear Dimensionality Reduction. *Journal of Climate*, **2009**, 22, 4501-4519	4.4	27
109	Classifying North Atlantic Tropical Cyclone Tracks by Mass Moments*. *Journal of Climate*, **2009**, 22, 5481-5494	4.4	52
108	The Role of Monthly Updated Climate Forecasts in Improving Intraseasonal Water Allocation. *Journal of Applied Meteorology and Climatology*, **2009**, 48, 1464-1482	2.7	44
107	Interpreting variability in global SST data using independent component analysis and principal component analysis. *International Journal of Climatology*, **2009**, 30, n/a-n/a	3.5	14
106	Simulation of daily rainfall scenarios with interannual and multidecadal climate cycles for South Florida. *Stochastic Environmental Research and Risk Assessment*, **2009**, 23, 879-896	3.5	44
105	Improved water allocation utilizing probabilistic climate forecasts: Short-term water contracts in a risk management framework. *Water Resources Research*, **2009**, 45,	5.4	61
104	Seasonal and annual maximum streamflow forecasting using climate information: application to the Three Gorges Dam in the Yangtze River basin, China / Prévision d'écoulements saisonnier et maximum annuel à l'aide d'informations climatiques: application au Barrage des Trois Gorges dans le bassin du Fleuve Yangtze, Chine. *Hydrological Sciences Journal*, **2009**, 54, 582-595	3.5	38
103	Hierarchical Bayesian modeling of multisite daily rainfall occurrence: Rainy season onset, peak, and end. *Water Resources Research*, **2009**, 45,	5.4	35
102	Changing Frequency and Intensity of Rainfall Extremes over India from 1951 to 2003. *Journal of Climate*, **2009**, 22, 4737-4746	4.4	130
101	Developing Total Maximum Daily Loads Under Uncertainty: Decision Analysis and the Margin of Safety. *Journal of Contemporary Water Research and Education*, **2008**, 140, 37-52	1.2	8
100	Climate informed flood frequency analysis and prediction in Montana using hierarchical Bayesian modeling. *Geophysical Research Letters*, **2008**, 35,	4.9	96
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