Balaji Rajagopalan

List of Publications by Year in Descending Order

212 papers	10,893 citations	49 h-index	99 g-index
225 ext. papers	12,130 ext. citations	4.5 avg, IF	6.32 L-index

#	Paper	IF	Citations
212	A space-time Bayesian hierarchical modeling framework for projection of seasonal maximum streamflow. *Hydrology and Earth System Sciences*, **2022**, 26, 149-166	5.5	2
211	Space-Time Variability of Summer Hydroclimate in the U.S. Prairie Pothole Region. *Earth Interactions*, **2022**, 26, 39-51	1.5	
210	Incorporating Mid-Term Temperature Predictions into Streamflow Forecasts and Operational Reservoir Projections in the Colorado River Basin. *Journal of Water Resources Planning and Management - ASCE*, **2022**, 148,	2.8	2
209	Stochastic Decadal Projections of Colorado River Streamflow and Reservoir Pool Elevations Conditioned on Temperature Projections. *Water Resources Research*, **2021**, 57, e2021WR030936	5.4	1
208	Arctic sea ice melt onset favored by an atmospheric pressure pattern reminiscent of the North American-Eurasian Arctic pattern. *Climate Dynamics*, **2021**, 57, 1771-1787	4.2	2
207	Investigating the Relationship Between Peak Snow-Water Equivalent and Snow Timing Indices in the Western United States and Alaska. *Water Resources Research*, **2021**, 57, e2020WR029395	5.4	1
206	Spatial-temporal multivariate semi-Bayesian hierarchical framework for extreme precipitation frequency analysis. *Journal of Hydrology*, **2021**, 600, 126499	6	6
205	A Bayesian Hierarchical Network Model for Daily Streamflow Ensemble Forecasting. *Water Resources Research*, **2021**, 57, e2021WR029920	5.4	1
204	21st Century flood risk projections at select sites for the U.S. National Park Service. *Climate Risk Management*, **2020**, 28, 100211	4.6	1
203	Safety Risk Tolerance in the Construction Industry: Cross-Cultural Analysis. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020022	4.2	4
202	A predictive model for seasonal pond counts in the United States Prairie Pothole Region using large-scale climate connections. *Environmental Research Letters*, **2020**, 15, 044019	6.2	3
201	Resilience of On-Site Wastewater Treatment Systems after Extreme Storm Event. *Journal of Sustainable Water in the Built Environment*, **2020**, 6, 04020008	2.4	2
200	Application of Postprocessing to Watershed-Scale Subseasonal Climate Forecasts over the Contiguous United States. *Journal of Hydrometeorology*, **2020**, 21, 971-987	3.7	3
199	Nearest neighbor time series bootstrap for generating influent water quality scenarios. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 23-31	3.5	5
198	Multiproxy Reduced-Dimension Reconstruction of Pliocene Equatorial Pacific Sea Surface Temperatures. *Paleoceanography and Paleoclimatology*, **2020**, 35, e2019PA003685	3.3	5
197	La Niña's Diminishing Fingerprint on the Central Indian Summer Monsoon. *Geophysical Research Letters*, **2020**, 47, e2019GL086237	4.9	9
196	Soil and Air Temperature Calibrations Using Branched GDGTs for the Tropical Andes of Colombia: Toward a Pan-Tropical Calibration. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2020GC008941	3.6	8

195	Mid-Holocene Sahara-Sahel Precipitation From the Vantage of Present-Day Climate. *Geophysical Research Letters*, **2020**, 47, e2020GL088171	4.9	3
194	A Bayesian Logistic Regression for Probabilistic Forecasts of the Minimum September Arctic Sea Ice Cover. *Earth and Space Science*, **2020**, 7, e2020EA001176	3.1	2
193	Spatial and temporal variability of East African Kiremt season precipitation and large-scale teleconnections. *International Journal of Climatology*, **2020**, 40, 1241-1254	3.5	4
192	A comparison of machine learning methods for predicting the compressive strength of field-placed concrete. *Construction and Building Materials*, **2019**, 228, 116661	6.7	37
191	Quantifying the Opportunity Limits of Automatic Residential Electric Load Shaping. *Energies*, **2019**, 12, 3204	3.1	
190	Developing Subseasonal to Seasonal Climate Forecast Products for Hydrology and Water Management. *Journal of the American Water Resources Association*, **2019**, 55, 1024-1037	2.1	11
189	BayGEN: A Bayesian Space-Time Stochastic Weather Generator. *Water Resources Research*, **2019**, 55, 2900-2915	5.4	13
188	Modeling risk attributes of wastewater treatment plant violations of total ammonia nitrogen discharge limits in the United States. *Stochastic Environmental Research and Risk Assessment*, **2019**, 33, 879-889	3.5	1
187	Investigating regime shifts and the factors controlling Total Inorganic Nitrogen concentrations in treated wastewater using non-homogeneous Hidden Markov and multinomial logistic regression models. *Science of the Total Environment*, **2019**, 646, 625-633	10.2	12
186	Using multivariate regression trees and multiobjective tradeoff sets to reveal fundamental insights about water resources systems. *Environmental Modelling and Software*, **2019**, 120, 104498	5.2	3
185	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
184	Climate change or climate regimes? Examining multi-annual variations in the frequency of precipitation extremes over the Argentine Pampas. *Climate Dynamics*, **2019**, 53, 245-260	4.2	1
183	A conditional stochastic weather generator for seasonal to multi-decadal simulations. *Journal of Hydrology*, **2018**, 556, 835-846	6	23
182	A Bayesian Hierarchical Approach to Multivariate Nonstationary Hydrologic Frequency Analysis. *Water Resources Research*, **2018**, 54, 243-255	5.4	49
181	Understanding the Dominant Sources and Tracks of Moisture for Summer Rainfall in the Southwest United States. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 4850-4870	4.4	21
180	Decadal Shift of NAO-Linked Interannual Sea Level Variability along the U.S. Northeast Coast. *Journal of Climate*, **2018**, 31, 4981-4989	4.4	20
179	Modulation of Sea Ice Melt Onset and Retreat in the Laptev Sea by the Timing of Snow Retreat in the West Siberian Plain. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 8691-8707	4.4	7
178	Random finite element method for the seismic analysis of gravity dams. *Engineering Structures*, **2018**, 171, 405-420	4.7	36

177	Influencia de los cambios en el uso del suelo y la precipitació sobre la dinámica hídrica de una cuenca de llanura extensa. Caso de estudio: Cuenca del Río Salado, Buenos Aires, Argentina. *Ribagua*, **2018**, 5, 92-106	0.5	2
176	Spatiotemporal Variability of Seasonality of Rainfall Over India. *Geophysical Research Letters*, **2018**, 45, 7140-7147	4.9	22
175	A K-Nearest neighbor based stochastic multisite flow and stream temperature generation technique. *Environmental Modelling and Software*, **2017**, 91, 87-94	5.2	8
174	Reconstruction of Indian summer monsoon winds and precipitation over the past 10,000 years using equatorial pacific SST proxy records. *Paleoceanography*, **2017**, 32, 195-216		14
173	Assessment of wastewater treatment facility compliance with decreasing ammonia discharge limits using a regression tree model. *Science of the Total Environment*, **2017**, 598, 249-257	10.2	18
172	Risk-Cost Estimation of On-Site Wastewater Treatment System Failures Using Extreme Value Analysis. *Water Environment Research*, **2017**, 89, 406-415	2.8	2
171	Empirical Investigations of the Opportunity Limits of Automatic Residential Electric Load Shaping **2017**,		3
170	The Use of Ensemble Modeling of Suspended Sediment to Characterize Uncertainty **2017**,		1
169	Development of a gridded meteorological dataset over Java island, Indonesia 1985-2014. *Scientific Data*, **2017**, 4, 170072	8.2	14
168	Construction Safety Risk Modeling and Simulation. *Risk Analysis*, **2017**, 37, 1917-1935	3.9	21
167	Decadal Variability of the Indian and Pacific Walker Cells since the 1960s: Do They Covary on Decadal Time Scales?. *Journal of Climate*, **2017**, 30, 8447-8468	4.4	25
166	Wavelet and Hidden Markov-Based Stochastic Simulation Methods Comparison on Colorado River Streamflow. *Journal of Hydrologic Engineering - ASCE*, **2017**, 22, 04017033	1.8	5
165	Demonstration of Integrated Reservoir Operations and Extreme Hydroclimate Modeling of Water Temperatures for Fish Sustainability below Shasta Lake. *Journal of Water Resources Planning and Management - ASCE*, **2017**, 143, 04017062	2.8	3
164	Reduced-dimension reconstruction of the equatorial Pacific SST and zonal wind fields over the past 10,000 years using Mg/Ca and alkenone records. *Paleoceanography*, **2016**, 31, 928-952		15
163	A Bayesian hierarchical nonhomogeneous hidden Markov model for multisite streamflow reconstructions. *Water Resources Research*, **2016**, 52, 7837-7850	5.4	11
162	Hierarchical Modeling Approach to Evaluate Spatial and Temporal Variability of Wastewater Treatment Compliance with Biochemical Oxygen Demand, Total Suspended Solids, and Ammonia Limits in the United States. *Environmental Engineering Science*, **2016**, 33, 514-524	2	9
161	Application of machine learning to construction injury prediction. *Automation in Construction*, **2016**, 69, 102-114	9.6	119
160	Predicting Life Cycle Failures of On-Site Wastewater Treatment Systems Using Generalized Additive Models. *Environmental Engineering Science*, **2016**, 33, 112-124	2	11

159	. *IEEE Transactions on Geoscience and Remote Sensing*, **2016**, 54, 2552-2562	8.1	35
158	Space–Time variability of Indonesian rainfall at inter-annual and multi-decadal time scales. *Climate Dynamics*, **2016**, 47, 2975-2989	4.2	23
157	Temporal statistical downscaling of precipitation and temperature forecasts using a stochastic weather generator. *Advances in Atmospheric Sciences*, **2016**, 33, 175-183	2.9	7
156	Automated content analysis for construction safety: A natural language processing system to extract precursors and outcomes from unstructured injury reports. *Automation in Construction*, **2016**, 62, 45-56	9.6	119
155	How do hydrologic modeling decisions affect the portrayal of climate change impacts?. *Hydrological Processes*, **2016**, 30, 1071-1095	3.3	38
154	Wavelet-based time series bootstrap model for multidecadal streamflow simulation using climate indicators. *Water Resources Research*, **2016**, 52, 4061-4077	5.4	17
153	Modeling on-site wastewater treatment system performance fragility to hydroclimate stressors. *Water Science and Technology*, **2016**, 74, 2917-2926	2.2	4
152	Climate Change and the Emergent Epidemic of CKD from Heat Stress in Rural Communities: The Case for Heat Stress Nephropathy. *Clinical Journal of the American Society of Nephrology: CJASN*, **2016**, 11, 1472-83	6.9	185
151	Modeling Source Water TOC Using Hydroclimate Variables and Local Polynomial Regression. *Environmental Science & Technology*, **2016**, 50, 4413-21	10.3	6
150	Spatial Bayesian hierarchical modeling of precipitation extremes over a large domain. *Water Resources Research*, **2016**, 52, 6643-6655	5.4	25
149	Effects of different regional climate model resolution and forcing scales on projected hydrologic changes. *Journal of Hydrology*, **2016**, 541, 1003-1019	6	25
148	Coupled stochastic weather generation using spatial and generalized linear models. *Stochastic Environmental Research and Risk Assessment*, **2015**, 29, 347-356	3.5	39
147	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. *Journal of Hydrometeorology*, **2015**, 16, 762-780	3.7	61
146	Attribute-Based Safety Risk Assessment. I: Analysis at the Fundamental Level. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 04015021	4.2	34
145	Attribute-Based Safety Risk Assessment. II: Predicting Safety Outcomes Using Generalized Linear Models. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 04015022	4.2	41
144	Hydrology: The interdisciplinary science of water. *Water Resources Research*, **2015**, 51, 4409-4430	5.4	108
143	Simulation of Effluent Biological Oxygen Demand and Ammonia for Increasingly Decentralized Networks of Wastewater Treatment Facilities. *Environmental Engineering Science*, **2015**, 32, 232-239	2	8
142	Statistical Postprocessing of High-Resolution Regional Climate Model Output. *Monthly Weather Review*, **2015**, 143, 1533-1553	2.4	18

141	Non-stationary and non-linear influence of ENSO and Indian Ocean Dipole on the variability of Indian monsoon rainfall and extreme rain events. *Climate Dynamics*, **2015**, 45, 175-184	4.2	79
140	Identifying the role of typhoons as drought busters in South Korea based on hidden Markov chain models. *Geophysical Research Letters*, **2015**, 42, 2797-2804	4.9	7
139	Subseasonal variations in spatial signatures of ENSO on the Indian summer monsoon from 1901 to 2009. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 8165-8185	4.4	26
138	Are we unnecessarily constraining the agility of complex process-based models?. *Water Resources Research*, **2015**, 51, 716-728	5.4	96
137	Erratum for Statistical Modeling of Daily Water Temperature Attributes on the Sacramento River by Jason Caldwell, Balaji Rajagopalan, and Eric Danner. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20, 08014003	1.8	
136	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
135	Spatial variability of seasonal extreme precipitation in the western United States. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 4522-4533	4.4	25
134	An assessment of the mean annual precipitation needed to sustain Lake Sambhar in Rajasthan, India, during mid-Holocene time. *Holocene*, **2015**, 25, 1923-1934	2.6	3
133	Resilience of Secondary Wastewater Treatment Plants: Prior Performance Is Predictive of Future Process Failure and Recovery Time. *Environmental Engineering Science*, **2015**, 32, 222-231	2	22
132	A Bayesian kriging approach for blending satellite and ground precipitation observations. *Water Resources Research*, **2015**, 51, 908-921	5.4	53
131	Statistical Modeling of Daily Water Temperature Attributes on the Sacramento River. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20, 04014065	1.8	9
130	Multisite stochastic weather generation using cluster analysis and k-nearest neighbor time series resampling. *Journal of Hydrology*, **2014**, 508, 197-213	6	34
129	A hidden Markov model combined with climate indices for multidecadal streamflow simulation. *Water Resources Research*, **2014**, 50, 7836-7846	5.4	28
128	Combining regional moist static energy and ENSO for forecasting of early and late season Indian monsoon rainfall and its extremes. *Geophysical Research Letters*, **2014**, 41, 4323-4331	4.9	23
127	Inference and uncertainty of snow depth spatial distribution at the kilometre scale in the Colorado Rocky Mountains: the effects of sample size, random sampling, predictor quality, and validation procedures. *Hydrological Processes*, **2014**, 28, 933-957	3.3	18
126	Hydrological Time Series Analysis **2014**,		1
125	A robust multimodel framework for ensemble seasonal hydroclimatic forecasts. *Water Resources Research*, **2014**, 50, 6030-6052	5.4	19
124	Spatiotemporal Variability and Predictability of Relative Humidity over West African Monsoon Region. *Journal of Climate*, **2014**, 27, 5346-5363	4.4	3

123	Improving Forecasts for Water Management. *Eos*, **2014**, 95, 3-3	1.5	2
122	Hydroclimate Variability and Change in the Prairie Pothole Region, the 🦆Duck Factory🦆 of North America*. *Earth Interactions*, **2014**, 18, 1-28	1.5	26
121	Comparison of Traditional and Bayesian Calibration Techniques for Gray-Box Modeling. *Journal of Architectural Engineering*, **2014**, 20, 04013011	1.5	13
120	Incorporating probabilistic seasonal climate forecasts into river management using a risk-based framework. *Water Resources Research*, **2013**, 49, 4997-5008	5.4	11
119	Extraction of supervisory building control rules from model predictive control of windows in a mixed mode building. *Journal of Building Performance Simulation*, **2013**, 6, 199-219	2.8	14
118	Signatures of Tibetan Plateau heating on Indian summer monsoon rainfall variability. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 1170-1178	4.4	47
117	Integrated Approach to Simulate Stream Water Quality for Municipal Supply under a Changing Climate. *Journal of Environmental Engineering, ASCE*, **2013**, 139, 1432-1440	2	3
116	Generalized linear modeling of the El Niño/Southern Oscillation with application to seasonal forecasting and climate change projections. *Journal of Geophysical Research: Oceans*, **2013**, 118, 3764-3781	3.3	2
115	Daily minimum and maximum temperature simulation over complex terrain. *Annals of Applied Statistics*, **2013**, 7,	2.1	22
114	Forecasting river temperatures in real time using a stochastic dynamics approach. *Water Resources Research*, **2013**, 49, 5168-5182	5.4	47
113	Enhancement of inland penetration of monsoon depressions in the Bay of Bengal due to prestorm ground wetness. *Water Resources Research*, **2013**, 49, 3589-3600	5.4	9
112	Changes in North American snowpacks for 1979-2007 detected from the snow water equivalent data of SMMR and SSM/I passive microwave and related climatic factors. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 7682-7697	4.4	29
111	Projecting demand extremes under climate change using extreme value analysis. *Journal - American Water Works Association*, **2013**, 105, E40-E50	0.5	2
110	Future Climate: Projected Average **2013**, 101-125		23
109	Future Climate: Projected Extremes **2013**, 126-147		12
108	Spatial interpolation schemes of daily precipitation for hydrologic modeling. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 295-320	3.5	38
107	Pacific Ocean sea-surface temperature variability and predictability of rainfall in the early and late parts of the Indian summer monsoon season. *Climate Dynamics*, **2012**, 39, 1543-1557	4.2	16
106	River Temperature Forecasting: A Coupled-Modeling Framework for Management of River Habitat. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2012**, 5, 1752-1760	4.7	16

105	**2012**,		6
104	Daily spatiotemporal precipitation simulation using latent and transformed Gaussian processes. *Water Resources Research*, **2012**, 48,	5.4	97
103	Late Miocene upward and outward growth of eastern Tibet and decreasing monsoon rainfall over the northwestern Indian subcontinent since ~10 Ma. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	29
102	The influence of ENSO on global terrestrial water storage using GRACE. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	65
101	Incorporating Climate Uncertainty in a Cost Assessment for New Municipal Source Water. *Journal of Water Resources Planning and Management - ASCE*, **2012**, 138, 396-402	2.8	2
100	Colorado River Basin Hydroclimatic Variability. *Journal of Climate*, **2012**, 25, 4389-4403	4.4	49
99	Special Section on Climate Change and Water Resources: Climate Nonstationarity and Water Resources Management. *Journal of Water Resources Planning and Management - ASCE*, **2012**, 138, 385-388	2.8	37
98	Reducing overdispersion in stochastic weather generators using a generalized linear modeling approach. *Climate Research*, **2012**, 53, 13-24	1.6	29
97	Effect of average flow and capacity utilization on effluent water quality from US municipal wastewater treatment facilities. *Water Research*, **2011**, 45, 4279-86	12.5	28
96	Use of daily precipitation uncertainties in streamflow simulation and forecast. *Stochastic Environmental Research and Risk Assessment*, **2011**, 25, 957-972	3.5	18
95	Wavelet Auto-Regressive Method (WARM) for multi-site streamflow simulation of data with non-stationary spectra. *Journal of Hydrology*, **2011**, 410, 1-12	6	21
94	The once and future pulse of Indian monsoonal climate. *Climate Dynamics*, **2011**, 36, 2159-2170	4.2	86
93	Model-predictive control of mixed-mode buildings with rule extraction. *Building and Environment*, **2011**, 46, 428-437	6.5	106
92	Long-Range Forecasting of Colorado Streamflows Based on Hydrologic, Atmospheric, and Oceanic Data. *Journal of Hydrologic Engineering - ASCE*, **2011**, 16, 508-520	1.8	16
91	Prototype Decision Support System for Operations on the Gunnison Basin with Improved Forecasts. *Journal of Water Resources Planning and Management - ASCE*, **2011**, 137, 428-438	2.8	9
90	Patterns of Indian Ocean sea-level change in a warming climate. *Nature Geoscience*, **2010**, 3, 546-550	18.3	177
89	Local Polynomial–Based Flood Frequency Estimator for Mixed Population. *Journal of Hydrologic Engineering - ASCE*, **2010**, 15, 680-691	1.8	15
88	ENSO Model Validation Using Wavelet Probability Analysis. *Journal of Climate*, **2010**, 23, 5540-5547	4.4	45

87	An approach for probabilistic forecasting of seasonal turbidity threshold exceedance. *Water Resources Research*, **2010**, 46,	5.4	18
86	A multisite seasonal ensemble streamflow forecasting technique. *Water Resources Research*, **2010**, 46,	5.4	30
85	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. *Water Resources Research*, **2010**, 46,	5.4	79
84	Modeling hydrologic and water quality extremes in a changing climate: A statistical approach based on extreme value theory. *Water Resources Research*, **2010**, 46,	5.4	86
83	Linking weather generators and crop models for assessment of climate forecast outcomes. *Agricultural and Forest Meteorology*, **2010**, 150, 166-174	5.8	33
82	Integrated Framework for Quantifying and Predicting Weather-Related Highway Construction Delays. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 1160-1168	4.2	39
81	Temporal patterns in daily measurements of inorganic and organic speciated PM in Denver. *Atmospheric Environment*, **2010**, 44, 987-998	5.3	23
80	STOCHASTIC METHODS FOR MODELING PRECIPITATION AND STREAMFLOW **2010**, 17-52		18
79	Using Parametric and Nonparametric Methods to Model Total Organic Carbon, Alkalinity, and pH after Conventional Surface Water Treatment. *Environmental Engineering Science*, **2009**, 26, 1299-1308	2	12
78	The Use of MTM-SVD Technique to Explore the Joint Spatiotemporal Modes of Wind and Sea Surface Variability in the North Indian Ocean during 1993 2005. *International Journal of Oceanography*, **2009**, 2009, 1-11		1
77	Joint Spatiotemporal Variability of Global Sea Surface Temperatures and Global Palmer Drought Severity Index Values. *Journal of Climate*, **2009**, 22, 6251-6267	4.4	17
76	Statistical Dynamical Approach for Streamflow Modeling at Malakal, Sudan, on the White Nile River. *Journal of Hydrologic Engineering - ASCE*, **2009**, 14, 185-196	1.8	16
75	Effects of irrigation and vegetation activity on early Indian summer monsoon variability. *International Journal of Climatology*, **2009**, 29, 573-581	3.5	101
74	Simulating ensembles of source water quality using a K-nearest neighbor resampling approach. *Environmental Science & Technology*, **2009**, 43, 1407-11	10.3	15
73	A nonparametric approach for paleohydrologic reconstruction of annual streamflow ensembles. *Water Resources Research*, **2009**, 45,	5.4	36
72	Comment on When will Lake Mead go dry? by T. P. Barnett and D. W. Pierce. *Water Resources Research*, **2009**, 45,	5.4	14
71	Water supply risk on the Colorado River: Can management mitigate?. *Water Resources Research*, **2009**, 45,	5.4	100
70	Decadal climate variability in the Argentine Pampas: regional impacts of plausible climate scenarios on agricultural systems. *Climate Research*, **2009**, 40, 199-210	1.6	25

69	Highly improved predictive skill in the forecasting of the East Asian summer monsoon. *Water Resources Research*, **2008**, 44,	5.4	11
68	A stochastic nonparametric approach for streamflow generation combining observational and paleoreconstructed data. *Water Resources Research*, **2008**, 44,	5.4	46
67	Southwestern U.S. tree-ring carbon isotope indices as a possible proxy for reconstruction of greenness of vegetation. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	20
66	Model assessment of the observed relationship between El Niño and the northern East Asian summer monsoon using the Community Climate System Model Community Atmosphere Model-Community Land Model version 3 (CAM-CLM3). *Journal of Geophysical Research*, **2008**, 113,		3
65	Identification of large scale climate patterns affecting snow variability in the eastern United States. *International Journal of Climatology*, **2008**, 28, 315-328	3.5	13
64	Seasonal forecasting of East Asian summer monsoon based on oceanic heat sources. *International Journal of Climatology*, **2008**, 28, 667-678	3.5	17
63	Generating streamflow forecasts for the Yakima River Basin using large-scale climate predictors. *Journal of Hydrology*, **2007**, 341, 131-143	6	23
62	A basin wide stochastic salinity model. *Journal of Hydrology*, **2007**, 344, 43-54	6	6
61	A stochastic nonparametric technique for space-time disaggregation of streamflows. *Water Resources Research*, **2007**, 43,	5.4	82
60	A semiparametric multivariate and multisite weather generator. *Water Resources Research*, **2007**, 43,	5.4	84
59	Southwestern U.S. drought maps from pinyon tree-ring carbon isotopes. *Eos*, **2007**, 88, 39	1.5	14
58	Trends in solar radiation due to clouds and aerosols, southern India, 1952-1997. *International Journal of Climatology*, **2007**, 27, 1505-1518	3.5	16
57	A DECISION SUPPORT SYSTEM TO MANAGE SUMMER STREAM TEMPERATURES1. *Journal of the American Water Resources Association*, **2007**, 42, 1275-1284	2.1	
56	Competition Among Virtual Communities and User Valuation: The Case of Investing-Related Communities. *Information Systems Research*, **2007**, 18, 68-85	3.8	125
55	Interannual Variability and Ensemble Forecast of Upper Blue Nile Basin Kiremt Season Precipitation. *Journal of Hydrometeorology*, **2007**, 8, 327-343	3.7	85
54	Seasonal Shifts in the North American Monsoon. *Journal of Climate*, **2007**, 20, 1923-1935	4.4	64
53	Water Management Applications of Climate-Based Hydrologic Forecasts: Case Study of the Truckee-Carson River Basin. *Journal of Water Resources Planning and Management - ASCE*, **2007**, 133, 339-350	2.8	18
52	Modeling NOM Breakthrough in GAC Adsorbers Using Nonparametric Regression Techniques. *Environmental Engineering Science*, **2007**, 24, 1280-1296	2	12

51	Modified K-NN Model for Stochastic Streamflow Simulation. *Journal of Hydrologic Engineering - ASCE*, **2006**, 11, 371-378	1.8	88
50	A multimodel ensemble forecast framework: Application to spring seasonal flows in the Gunnison River Basin. *Water Resources Research*, **2006**, 42,	5.4	84
49	A new method to produce categorical streamflow forecasts. *Water Resources Research*, **2006**, 42,	5.4	24
48	Unraveling the mystery of Indian monsoon failure during El Niño. *Science*, **2006**, 314, 115-9	33.3	538
47	Assimilation of snow covered area information into hydrologic and land-surface models. *Advances in Water Resources*, **2006**, 29, 1209-1221	4.7	171
46	A DECISION SUPPORT SYSTEM TO MANAGE SUMMER STREAM TEMPERATURES. *Journal of the American Water Resources Association*, **2006**, 42, 1275-1284	2.1	10
45	Advancing dynamical prediction of Indian monsoon rainfall. *Geophysical Research Letters*, **2005**, 32,	4.9	154
44	Statistical downscaling using K-nearest neighbors. *Water Resources Research*, **2005**, 41,	5.4	80
43	A technique for incorporating large-scale climate information in basin-scale ensemble streamflow forecasts. *Water Resources Research*, **2005**, 41,	5.4	109
42	Interannual and Interdecadal Variability of Thailand Summer Monsoon Season. *Journal of Climate*, **2005**, 18, 1697-1708	4.4	104
41	Seasonal forecasting of Thailand summer monsoon rainfall. *International Journal of Climatology*, **2005**, 25, 649-664	3.5	84
40	Local polynomial method for ensemble forecast of time series. *Nonlinear Processes in Geophysics*, **2005**, 12, 397-406	2.9	38
39	Statistical Nonparametric Model for Natural Salt Estimation. *Journal of Environmental Engineering, ASCE*, **2005**, 131, 130-138	2	38
38	Seasonal Cycle Shifts in Hydroclimatology over the Western United States. *Journal of Climate*, **2005**, 18, 372-384	4.4	367
37	A resampling procedure for generating conditioned daily weather sequences. *Water Resources Research*, **2004**, 40,	5.4	44
36	The Schaake Shuffle: A Method for Reconstructing Space–Time Variability in Forecasted Precipitation and Temperature Fields. *Journal of Hydrometeorology*, **2004**, 5, 243-262	3.7	224
35	Effects of Spatial and Temporal Aggregation on the Accuracy of Statistically Downscaled Precipitation Estimates in the Upper Colorado River Basin. *Journal of Hydrometeorology*, **2004**, 5, 1192-1206	3.7	16
34	Categorical Climate Forecasts through Optimal Combination of Multiple GCM Ensembles **2003**, 1		2

33	Regression Model for Daily Maximum Stream Temperature. *Journal of Environmental Engineering, ASCE*, **2003**, 129, 667-674	2	53
32	A technique for generating regional climate scenarios using a nearest-neighbor algorithm. *Water Resources Research*, **2003**, 39,	5.4	164
31	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. *Monthly Weather Review*, **2002**, 130, 1792-1811	2.4	142
30	Patterns of coherent decadal and interdecadal climate signals in the Pacific Basin during the 20th century. *Geophysical Research Letters*, **2001**, 28, 2069-2072	4.9	121
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#	Publication	IF	Cit.
15	Evaluation of kernel density estimation methods for daily precipitation resampling. *Stochastic Hydrology & Hydraulics*, **1997**, 11, 523-547		32
14	A Nonparametric Wet/Dry Spell Model for Resampling Daily Precipitation. *Water Resources Research*, **1996**, 32, 2803-2823	5.4	105
13	Nonhomogeneous Markov Model for Daily Precipitation. *Journal of Hydrologic Engineering - ASCE*, **1996**, 1, 33-40	1.8	46
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6	UNDERSTANDING COMPLEXITY IN THE STRUCTURE OF RAINFALL. *Fractals*, **1993**, 01, 606-616	3.2	7
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