Balaji Rajagopalan

List of Publications by Citations

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	Analyses of global sea surface temperature 1856–1991. *Journal of Geophysical Research*, **1998**, 103, 18567-18589		1131
211	On the weakening relationship between the indian monsoon and ENSO. *Science*, **1999**, 284, 2156-9	33.3	1122
210	Unraveling the mystery of Indian monsoon failure during El Niño. *Science*, **2006**, 314, 115-9	33.3	538
209	Seasonal Cycle Shifts in Hydroclimatology over the Western United States. *Journal of Climate*, **2005**, 18, 372-384	4.4	367
208	A k-nearest-neighbor simulator for daily precipitation and other weather variables. *Water Resources Research*, **1999**, 35, 3089-3101	5.4	285
207	Estimation of mutual information using kernel density estimators. *Physical Review E*, **1995**, 52, 2318-2321	2.4	234
206	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
205	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
204	Patterns of Indian Ocean sea-level change in a warming climate. *Nature Geoscience*, **2010**, 3, 546-550	18.3	177
203	Assimilation of snow covered area information into hydrologic and land-surface models. *Advances in Water Resources*, **2006**, 29, 1209-1221	4.7	171
202	A technique for generating regional climate scenarios using a nearest-neighbor algorithm. *Water Resources Research*, **2003**, 39,	5.4	164
201	Advancing dynamical prediction of Indian monsoon rainfall. *Geophysical Research Letters*, **2005**, 32,	4.9	154
200	Dominant Patterns of Climate Variability in the Atlantic Ocean during the Last 136 Years. *Journal of Climate*, **1999**, 12, 2285-2299	4.4	144
199	Spatiotemporal Variability of ENSO and SST Teleconnections to Summer Drought over the United States during the Twentieth Century. *Journal of Climate*, **2000**, 13, 4244-4255	4.4	143
198	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. *Monthly Weather Review*, **2002**, 130, 1792-1811	2.4	142
197	Competition Among Virtual Communities and User Valuation: The Case of Investing-Related Communities. *Information Systems Research*, **2007**, 18, 68-85	3.8	125
196	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

#	Reference	IF	Citations
195	Application of machine learning to construction injury prediction. *Automation in Construction*, **2016**, 69, 102-114	9.6	119
194	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
193	A technique for incorporating large-scale climate information in basin-scale ensemble streamflow forecasts. *Water Resources Research*, **2005**, 41,	5.4	109
192	A possible link between El Niño and precipitation in Israel. *Geophysical Research Letters*, **1998**, 25, 3963-3966	4.9	109
191	Hydrology: The interdisciplinary science of water. *Water Resources Research*, **2015**, 51, 4409-4430	5.4	108
190	Model-predictive control of mixed-mode buildings with rule extraction. *Building and Environment*, **2011**, 46, 428-437	6.5	106
189	A Nonparametric Wet/Dry Spell Model for Resampling Daily Precipitation. *Water Resources Research*, **1996**, 32, 2803-2823	5.4	105
188	Interannual and Interdecadal Variability of Thailand Summer Monsoon Season. *Journal of Climate*, **2005**, 18, 1697-1708	4.4	104
187	Anomalous ENSO Occurrences: An Alternate View*. *Journal of Climate*, **1997**, 10, 2351-2357	4.4	102
186	Effects of irrigation and vegetation activity on early Indian summer monsoon variability. *International Journal of Climatology*, **2009**, 29, 573-581	3.5	101
185	Water supply risk on the Colorado River: Can management mitigate?. *Water Resources Research*, **2009**, 45,	5.4	100
184	Observed decadal midlatitude and tropical Atlantic climate variability. *Geophysical Research Letters*, **1998**, 25, 3967-3970	4.9	100
183	Daily spatiotemporal precipitation simulation using latent and transformed Gaussian processes. *Water Resources Research*, **2012**, 48,	5.4	97
182	Are we unnecessarily constraining the agility of complex process-based models?. *Water Resources Research*, **2015**, 51, 716-728	5.4	96
181	Modified K-NN Model for Stochastic Streamflow Simulation. *Journal of Hydrologic Engineering - ASCE*, **2006**, 11, 371-378	1.8	88
180	The once and future pulse of Indian monsoonal climate. *Climate Dynamics*, **2011**, 36, 2159-2170	4.2	86
179	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
178	Interannual Variability and Ensemble Forecast of Upper Blue Nile Basin Kiremt Season Precipitation. *Journal of Hydrometeorology*, **2007**, 8, 327-343	3.7	85

177	A semiparametric multivariate and multisite weather generator. *Water Resources Research*, **2007**, 43,	5.4	84
176	A multimodel ensemble forecast framework: Application to spring seasonal flows in the Gunnison River Basin. *Water Resources Research*, **2006**, 42,	5.4	84
175	Seasonal forecasting of Thailand summer monsoon rainfall. *International Journal of Climatology*, **2005**, 25, 649-664	3.5	84
174	A stochastic nonparametric technique for space-time disaggregation of streamflows. *Water Resources Research*, **2007**, 43,	5.4	82
173	Statistical downscaling using K-nearest neighbors. *Water Resources Research*, **2005**, 41,	5.4	80
172	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
171	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. *Water Resources Research*, **2010**, 46,	5.4	79
170	Interannual variability in western US precipitation. *Journal of Hydrology*, **1998**, 210, 51-67	6	66
169	The influence of ENSO on global terrestrial water storage using GRACE. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	65
168	Seasonal Shifts in the North American Monsoon. *Journal of Climate*, **2007**, 20, 1923-1935	4.4	64
167	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. *Journal of Hydrometeorology*, **2015**, 16, 762-780	3.7	61
166	The role of ENSO in determining climate and maize yield variability in the U.S. cornbelt. *International Journal of Climatology*, **1999**, 19, 877-888	3.5	57
165	A Bayesian kriging approach for blending satellite and ground precipitation observations. *Water Resources Research*, **2015**, 51, 908-921	5.4	53
164	Regression Model for Daily Maximum Stream Temperature. *Journal of Environmental Engineering, ASCE*, **2003**, 129, 667-674	2	53
163	A Bayesian Hierarchical Approach to Multivariate Nonstationary Hydrologic Frequency Analysis. *Water Resources Research*, **2018**, 54, 243-255	5.4	49
162	Colorado River Basin Hydroclimatic Variability. *Journal of Climate*, **2012**, 25, 4389-4403	4.4	49
161	Epochal changes in Indian Monsoon-ENSO precursors. *Geophysical Research Letters*, **1999**, 26, 75-78	4.9	48
160	Signatures of Tibetan Plateau heating on Indian summer monsoon rainfall variability. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 1170-1178	4.4	47

#	Reference		
159	Forecasting river temperatures in real time using a stochastic dynamics approach. *Water Resources Research*, **2013**, 49, 5168-5182	5.4	47
158	A stochastic nonparametric approach for streamflow generation combining observational and paleoreconstructed data. *Water Resources Research*, **2008**, 44,	5.4	46
157	Nonhomogeneous Markov Model for Daily Precipitation. *Journal of Hydrologic Engineering - ASCE*, **1996**, 1, 33-40	1.8	46
156	ENSO Model Validation Using Wavelet Probability Analysis. *Journal of Climate*, **2010**, 23, 5540-5547	4.4	45
155	A resampling procedure for generating conditioned daily weather sequences. *Water Resources Research*, **2004**, 40,	5.4	44
154	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
153	Mass Coral Reef Bleaching: A Recent Outcome of Increased El Niño Activity?. *Ecology Letters*, **1999**, 2, 325-330	10	41
152	Coupled stochastic weather generation using spatial and generalized linear models. *Stochastic Environmental Research and Risk Assessment*, **2015**, 29, 347-356	3.5	39
151	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
150	Spatial interpolation schemes of daily precipitation for hydrologic modeling. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 295-320	3.5	38
149	Local polynomial method for ensemble forecast of time series. *Nonlinear Processes in Geophysics*, **2005**, 12, 397-406	2.9	38
148	Statistical Nonparametric Model for Natural Salt Estimation. *Journal of Environmental Engineering, ASCE*, **2005**, 131, 130-138	2	38
147	How do hydrologic modeling decisions affect the portrayal of climate change impacts?. *Hydrological Processes*, **2016**, 30, 1071-1095	3.3	38
146	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
145	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
144	Random finite element method for the seismic analysis of gravity dams. *Engineering Structures*, **2018**, 171, 405-420	4.7	36
143	A nonparametric approach for paleohydrologic reconstruction of annual streamflow ensembles. *Water Resources Research*, **2009**, 45,	5.4	36
142	. *IEEE Transactions on Geoscience and Remote Sensing*, **2016**, 54, 2552-2562	8.1	35

141	Attribute-Based Safety Risk Assessment. I: Analysis at the Fundamental Level. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 04015021	4.2	34
140	Multisite stochastic weather generation using cluster analysis and k-nearest neighbor time series resampling. *Journal of Hydrology*, **2014**, 508, 197-213	6	34
139	Multivariate nonparametric resampling scheme for generation of daily weather variables. *Stochastic Hydrology & Hydraulics*, **1997**, 11, 65-93		34
138	Linking weather generators and crop models for assessment of climate forecast outcomes. *Agricultural and Forest Meteorology*, **2010**, 150, 166-174	5.8	33
137	Evaluation of kernel density estimation methods for daily precipitation resampling. *Stochastic Hydrology & Hydraulics*, **1997**, 11, 523-547		32
136	A multisite seasonal ensemble streamflow forecasting technique. *Water Resources Research*, **2010**, 46,	5.4	30
135	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
134	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
133	Reducing overdispersion in stochastic weather generators using a generalized linear modeling approach. *Climate Research*, **2012**, 53, 13-24	1.6	29
132	A hidden Markov model combined with climate indices for multidecadal streamflow simulation. *Water Resources Research*, **2014**, 50, 7836-7846	5.4	28
131	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
130	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
129	Hydroclimate Variability and Change in the Prairie Pothole Region, the Duck Factory of North America*. *Earth Interactions*, **2014**, 18, 1-28	1.5	26
128	A kernel estimator for discrete distributions. *Journal of Nonparametric Statistics*, **1995**, 4, 409-426	0.7	26
127	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
126	Spatial variability of seasonal extreme precipitation in the western United States. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 4522-4533	4.4	25
125	A Multivariate Frequency-Domain Approach to Long-Lead Climatic Forecasting*. *Weather and Forecasting*, **1998**, 13, 58-74	2.1	25
124	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

123	Spatial Bayesian hierarchical modeling of precipitation extremes over a large domain. *Water Resources Research*, **2016**, 52, 6643-6655	5.4	25
122	Effects of different regional climate model resolution and forcing scales on projected hydrologic changes. *Journal of Hydrology*, **2016**, 541, 1003-1019	6	25
121	A new method to produce categorical streamflow forecasts. *Water Resources Research*, **2006**, 42,	5.4	24
120	A conditional stochastic weather generator for seasonal to multi-decadal simulations. *Journal of Hydrology*, **2018**, 556, 835-846	6	23
119	Space-Time variability of Indonesian rainfall at inter-annual and multi-decadal time scales. *Climate Dynamics*, **2016**, 47, 2975-2989	4.2	23
118	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
117	Temporal patterns in daily measurements of inorganic and organic speciated PM in Denver. *Atmospheric Environment*, **2010**, 44, 987-998	5.3	23
116	Generating streamflow forecasts for the Yakima River Basin using large-scale climate predictors. *Journal of Hydrology*, **2007**, 341, 131-143	6	23
115	Future Climate: Projected Average **2013**, 101-125		23
114	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
113	Daily minimum and maximum temperature simulation over complex terrain. *Annals of Applied Statistics*, **2013**, 7,	2.1	22
112	Spatiotemporal Variability of Seasonality of Rainfall Over India. *Geophysical Research Letters*, **2018**, 45, 7140-7147	4.9	22
111	Construction Safety Risk Modeling and Simulation. *Risk Analysis*, **2017**, 37, 1917-1935	3.9	21
110	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
109	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
108	Optimal parameter estimation for Muskingum routing with ungauged lateral inflow. *Journal of Hydrology*, **1995**, 169, 25-35	6	21
107	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
106	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

105	A robust multimodel framework for ensemble seasonal hydroclimatic forecasts. *Water Resources Research*, **2014**, 50, 6030-6052	5.4	19
104	Seasonality of precipitation along a meridian in the western United States. *Geophysical Research Letters*, **1995**, 22, 1081-1084	4.9	19
103	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
102	Statistical Postprocessing of High-Resolution Regional Climate Model Output. *Monthly Weather Review*, **2015**, 143, 1533-1553	2.4	18
101	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
100	Use of daily precipitation uncertainties in streamflow simulation and forecast. *Stochastic Environmental Research and Risk Assessment*, **2011**, 25, 957-972	3.5	18
99	An approach for probabilistic forecasting of seasonal turbidity threshold exceedance. *Water Resources Research*, **2010**, 46,	5.4	18
98	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
97	STOCHASTIC METHODS FOR MODELING PRECIPITATION AND STREAMFLOW **2010**, 17-52		18
96	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
95	Seasonal forecasting of East Asian summer monsoon based on oceanic heat sources. *International Journal of Climatology*, **2008**, 28, 667-678	3.5	17
94	Wavelet-based time series bootstrap model for multidecadal streamflow simulation using climate indicators. *Water Resources Research*, **2016**, 52, 4061-4077	5.4	17
93	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
92	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
91	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
90	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
89	Trends in solar radiation due to clouds and aerosols, southern India, 1952-1997. *International Journal of Climatology*, **2007**, 27, 1505-1518	3.5	16
88	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

87	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
86	Local Polynomial Based Flood Frequency Estimator for Mixed Population. *Journal of Hydrologic Engineering - ASCE*, **2010**, 15, 680-691	1.8	15
85	Simulating ensembles of source water quality using a K-nearest neighbor resampling approach. *Environmental Science & Technology*, **2009**, 43, 1407-11	10.3	15
84	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
83	Development of a gridded meteorological dataset over Java island, Indonesia 1985-2014. *Scientific Data*, **2017**, 4, 170072	8.2	14
82	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
81	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
80	Comment on When will Lake Mead go dry? by T. P. Barnett and D. W. Pierce. *Water Resources Research*, **2009**, 45,	5.4	14
79	Southwestern U.S. drought maps from pinyon tree-ring carbon isotopes. *Eos*, **2007**, 88, 39	1.5	14
78	BayGEN: A Bayesian Space-Time Stochastic Weather Generator. *Water Resources Research*, **2019**, 55, 2900-2915	5.4	13
77	Comparison of Traditional and Bayesian Calibration Techniques for Gray-Box Modeling. *Journal of Architectural Engineering*, **2014**, 20, 04013011	1.5	13
76	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
75	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
74	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
73	Modeling NOM Breakthrough in GAC Adsorbers Using Nonparametric Regression Techniques. *Environmental Engineering Science*, **2007**, 24, 1280-1296	2	12
72	Future Climate: Projected Extremes **2013**, 126-147		12
71	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
70	A Bayesian hierarchical nonhomogeneous hidden Markov model for multisite streamflow reconstructions. *Water Resources Research*, **2016**, 52, 7837-7850	5.4	11

69	Predicting Life Cycle Failures of On-Site Wastewater Treatment Systems Using Generalized Additive Models. *Environmental Engineering Science*, **2016**, 33, 112-124	2	11
68	Incorporating probabilistic seasonal climate forecasts into river management using a risk-based framework. *Water Resources Research*, **2013**, 49, 4997-5008	5.4	11
67	Highly improved predictive skill in the forecasting of the East Asian summer monsoon. *Water Resources Research*, **2008**, 44,	5.4	11
66	A DECISION SUPPORT SYSTEM TO MANAGE SUMMER STREAM TEMPERATURES. *Journal of the American Water Resources Association*, **2006**, 42, 1275-1284	2.1	10
65	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
64	Statistical Modeling of Daily Water Temperature Attributes on the Sacramento River. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20, 04014065	1.8	9
63	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
62	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
61	La Niña's Diminishing Fingerprint on the Central Indian Summer Monsoon. *Geophysical Research Letters*, **2020**, 47, e2019GL086237	4.9	9
60	A K-Nearest neighbor based stochastic multisite flow and stream temperature generation technique. *Environmental Modelling and Software*, **2017**, 91, 87-94	5.2	8
59	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
58	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
57	Temporal statistical downscaling of precipitation and temperature forecasts using a stochastic weather generator. *Advances in Atmospheric Sciences*, **2016**, 33, 175-183	2.9	7
56	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
55	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
54	UNDERSTANDING COMPLEXITY IN THE STRUCTURE OF RAINFALL. *Fractals*, **1993**, 01, 606-616	3.2	7
53	**2012**,		6
52	A basin wide stochastic salinity model. *Journal of Hydrology*, **2007**, 344, 43-54	6	6

51	Modeling Source Water TOC Using Hydroclimate Variables and Local Polynomial Regression. *Environmental Science & Technology*, **2016**, 50, 4413-21	10.3	6
50	Spatial-temporal multivariate semi-Bayesian hierarchical framework for extreme precipitation frequency analysis. *Journal of Hydrology*, **2021**, 600, 126499	6	6
49	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
48	Wavelet and Hidden Markov-Based Stochastic Simulation Methods Comparison on Colorado River Streamflow. *Journal of Hydrologic Engineering - ASCE*, **2017**, 22, 04017033	1.8	5
47	Nearest neighbor time series bootstrap for generating influent water quality scenarios. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 23-31	3.5	5
46	Multiproxy Reduced-Dimension Reconstruction of Pliocene Equatorial Pacific Sea Surface Temperatures. *Paleoceanography and Paleoclimatology*, **2020**, 35, e2019PA003685	3.3	5
45	Safety Risk Tolerance in the Construction Industry: Cross-Cultural Analysis. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020022	4.2	4
44	A Nonparametric Renewal Model for Modeling Daily Precipitation. *Water Science and Technology Library*, **1994**, 47-59	0.3	4
43	Modeling on-site wastewater treatment system performance fragility to hydroclimate stressors. *Water Science and Technology*, **2016**, 74, 2917-2926	2.2	4
42	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
41	Empirical Investigations of the Opportunity Limits of Automatic Residential Electric Load Shaping **2017**,		3
40	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
39	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
38	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
37	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
36	Spatiotemporal Variability and Predictability of Relative Humidity over West African Monsoon Region. *Journal of Climate*, **2014**, 27, 5346-5363	4.4	3
35	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
34	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

33	Application of Postprocessing to Watershed-Scale Subseasonal Climate Forecasts over the Contiguous United States. *Journal of Hydrometeorology*, **2020**, 21, 971-987	3.7	3
32	Enhancing Ensemble Seasonal Streamflow Forecasts in the Upper Colorado River Basin Using Multi-Model Climate Forecasts. *Journal of the American Water Resources Association*,	2.1	3
31	Mid-Holocene Sahara-Sahel Precipitation From the Vantage of Present-Day Climate. *Geophysical Research Letters*, **2020**, 47, e2020GL088171	4.9	3
30	Risk-Cost Estimation of On-Site Wastewater Treatment System Failures Using Extreme Value Analysis. *Water Environment Research*, **2017**, 89, 406-415	2.8	2
29	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
28	Improving Forecasts for Water Management. *Eos*, **2014**, 95, 3-3	1.5	2
27	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
26	Projecting demand extremes under climate change using extreme value analysis. *Journal - American Water Works Association*, **2013**, 105, E40-E50	0.5	2
25	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
24	Categorical Climate Forecasts through Optimal Combination of Multiple GCM Ensembles **2003**, 1		2
23	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
22	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
21	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
20	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
19	Influencia de los cambios en el uso del suelo y la precipitación 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
18	Combined signatures of atmospheric drivers, soil moisture, and moisture source on floods in Narmada River basin, India. *Climate Dynamics*,1	4.2	2
17	The Use of Ensemble Modeling of Suspended Sediment to Characterize Uncertainty **2017**,		1
16	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

LIST OF PUBLICATIONS

15	21st Century flood risk projections at select sites for the U.S. National Park Service. *Climate Risk Management*, **2020**, 28, 100211	4.6	1
14	Hydrological Time Series Analysis **2014**,		1
13	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
12	Stochastic Decadal Projections of Colorado River Streamflow and Reservoir Pool Elevations Conditioned on Temperature Projections. *Water Resources Research*, **2021**, 57, e2021WR030936	5.4	1
11	A linear mixed effects model for seasonal forecasts of Arctic sea ice retreat. *Polar Geography*,1-18	2.2	1
10	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
9	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
8	A Bayesian Hierarchical Network Model for Daily Streamflow Ensemble Forecasting. *Water Resources Research*, **2021**, 57, e2021WR029920	5.4	1
7	Hydrological Time Series Analysis		1
6	Quantifying the Opportunity Limits of Automatic Residential Electric Load Shaping. *Energies*, **2019**, 12, 3204	3.1	
5	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	
4	A DECISION SUPPORT SYSTEM TO MANAGE SUMMER STREAM TEMPERATURES1. *Journal of the American Water Resources Association*, **2007**, 42, 1275-1284	2.1	
3	Space–Time Variability of Summer Hydroclimate in the U.S. Prairie Pothole Region. *Earth Interactions*, **2022**, 26, 39-51	1.5	
2	Spatial Estimation Techniques for Precipitation Analysis –Application to a Region in India. *Water Science and Technology Library*, **1996**, 61-75	0.3	
1	A Trade-Friendly Environment?: Newly Reconstructed Indian Summer Monsoon Wind Stress Curl Data for the Third Millennium BCE and Their Potential Implications Concerning the Development of Early Bronze Age Trans-Arabian Sea Maritime Trade. *Journal of Maritime Archaeology*,1	0.5	