Balaji Rajagopalan

List of Publications by Year
in descending order

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217 papers	13,565 citations	26630 56 h-index	24982 109 g-index
226 all docs	226 docs citations	226 times ranked	11731 citing authors

#	Article	IF	Citations
1	On the Weakening Relationship Between the Indian Monsoon and ENSO. Science, 1999, 284, 2156-2159.	12.6	1,325
2	Analyses of global sea surface temperature 1856-1991. Journal of Geophysical Research, 1998, 103, 18567-18589.	3.3	1,287
3	Unraveling the Mystery of Indian Monsoon Failure During El Nino. Science, 2006, 314, 115-119.	12.6	630
4	Seasonal Cycle Shifts in Hydroclimatology over the Western United States. Journal of Climate, 2005, 18, 372-384.	3.2	408
5	Ak-nearest-neighbor simulator for daily precipitation and other weather variables. Water Resources Research, 1999, 35, 3089-3101.	4.2	338
6	Estimation of mutual information using kernel density estimators. Physical Review E, 1995, 52, 2318-2321.	2.1	332
7	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, 1472-1483.	4.5	284
8	The Schaake Shuffle: A Method for Reconstructing Spaceâ€“Time Variability in Forecasted Precipitation and Temperature Fields. Journal of Hydrometeorology, 2004, 5, 243-262.	1.9	279
9	Application of machine learning to construction injury prediction. Automation in Construction, 2016, 69, 102-114.	9.8	222
10	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.	9.8	207
11	Patterns of Indian Ocean sea-level change in a warming climate. Nature Geoscience, 2010, 3, 546-550.	12.9	203
12	A technique for generating regional climate scenarios using a nearest-neighbor algorithm. Water Resources Research, 2003, 39, .	4.2	201
13	Assimilation of snow covered area information into hydrologic and land-surface models. Advances in Water Resources, 2006, 29, 1209-1221.	3.8	197
14	Advancing dynamical prediction of Indian monsoon rainfall. Geophysical Research Letters, 2005, 32, .	4.0	176
15	Competition Among Virtual Communities and User Valuation: The Case of Investing-Related Communities. Information Systems Research, 2007, 18, 68-85.	3.7	167
16	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.	3.2	158
17	Dominant Patterns of Climate Variability in the Atlantic Ocean during the Last 136 Years. Journal of Climate, 1999, 12, 2285-2299.	3.2	156
18	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. Monthly Weather Review, 2002, 130, 1792-1811.	1.4	155

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19	Hydrology: The interdisciplinary science of water. Water Resources Research, 2015, 51, 4409-4430.	4.2	145
20	Patterns of coherent decadal and interdecadal climate signals in the Pacific Basin during the 20thcentury. Geophysical Research Letters, 2001, 28, 2069-2072.	4.0	139
21	Model-predictive control of mixed-mode buildings with rule extraction. Building and Environment, 2011, 46, 428-437.	6.9	137
22	A possible link between El NiÃ±o and precipitation in Israel. Geophysical Research Letters, 1998, 25, 3963-3966.	4.0	133
23	A technique for incorporating large-scale climate information in basin-scale ensemble streamflow forecasts. Water Resources Research, 2005, 41, .	4.2	130
24	Observed decadal midlatitude and tropical Atlantic climate variability. Geophysical Research Letters, 1998, 25, 3967-3970.	4.0	129
25	A Nonparametric Wet/Dry Spell Model for Resampling Daily Precipitation. Water Resources Research, 1996, 32, 2803-2823.	4.2	123
26	Are we unnecessarily constraining the agility of complex process-based models?. Water Resources Research, 2015, 51, 716-728.	4.2	123
27	Water supply risk on the Colorado River: Can management mitigate?. Water Resources Research, 2009, 45, .	4.2	119
28	Interannual and Interdecadal Variability of Thailand Summer Monsoon Season. Journal of Climate, 2005, 18, 1697-1708.	3.2	117
29	Effects of irrigation and vegetation activity on early Indian summer monsoon variability. International Journal of Climatology, 2009, 29, 573-581.	3.5	117
30	Daily spatiotemporal precipitation simulation using latent and transformed Gaussian processes. Water Resources Research, 2012, 48, .	4.2	115
31	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.	3.8	114
32	Anomalous ENSO Occurrences: An Alternate View*. Journal of Climate, 1997, 10, 2351-2357.	3.2	113
33	Statistical downscaling using K -nearest neighbors. Water Resources Research, 2005, 41, .	4.2	105
34	Modeling hydrologic and water quality extremes in a changing climate: A statistical approach based on extreme value theory. Water Resources Research, 2010, 46, .	4.2	105
35	Seasonal forecasting of Thailand summer monsoon rainfall. International Journal of Climatology, 2005, 25, 649-664.	3.5	103
36	A multimodel ensemble forecast framework: Application to spring seasonal flows in the Gunnison River Basin. Water Resources Research, 2006, 42, .	4.2	101

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37	A comparison of machine learning methods for predicting the compressive strength of field-placed concrete. Construction and Building Materials, 2019, 228, 116661.	7.2	98
38	Modified K-NN Model for Stochastic Streamflow Simulation. Journal of Hydrologic Engineering - ASCE, 2006, 11, 371-378.	1.9	96
39	A semiparametric multivariate and multisite weather generator. Water Resources Research, 2007, 43, .	4.2	96
40	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. Water Resources Research, 2010, 46, .	4.2	95
41	The once and future pulse of Indian monsoonal climate. Climate Dynamics, 2011, 36, 2159-2170.	3.8	95
42	The influence of ENSO on global terrestrial water storage using GRACE. Geophysical Research Letters, 2012, 39, .	4.0	95
43	Interannual Variability and Ensemble Forecast of Upper Blue Nile Basin Kiremt Season Precipitation. Journal of Hydrometeorology, 2007, 8, 327-343.	1.9	93
44	A stochastic nonparametric technique for space-time disaggregation of streamflows. Water Resources Research, 2007, 43, .	4.2	92
45	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. Journal of Hydrometeorology, 2015, 16, 762-780.	1.9	84
46	A Bayesian Hierarchical Approach to Multivariate Nonstationary Hydrologic Frequency Analysis. Water Resources Research, 2018, 54, 243-255.	4.2	84
47	Interannual variability in western US precipitation. Journal of Hydrology, 1998, 210, 51-67.	5.4	80
48	Seasonal Shifts in the North American Monsoon. Journal of Climate, 2007, 20, 1923-1935.	3.2	71
49	Mass Coral Reef Bleaching: A Recent Outcome of Increased El NiÃ±o Activity?. Ecology Letters, 1999, 2, 325-330.	6.4	68
50	A <scp>B</scp>ayesian kriging approach for blending satellite and ground precipitation observations. Water Resources Research, 2015, 51, 908-921.	4.2	66
51	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	65
52	Signatures of Tibetan Plateau heating on Indian summer monsoon rainfall variability. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1170-1178.	3.3	63
53	Epochal changes in Indian Monsoon-ENSO precursors. Geophysical Research Letters, 1999, 26, 75-78.	4.0	61
54	Regression Model for Daily Maximum Stream Temperature. Journal of Environmental Engineering, ASCE, 2003, 129, 667-674.	1.4	61

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55	Colorado River Basin Hydroclimatic Variability. Journal of Climate, 2012, 25, 4389-4403.	3.2	61
56	Forecasting river temperatures in real time using a stochastic dynamics approach. Water Resources Research, 2013, 49, 5168-5182.	4.2	61
57	Attribute-Based Safety Risk Assessment. II: Predicting Safety Outcomes Using Generalized Linear Models. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	59
58	Nonhomogeneous Markov Model for Daily Precipitation. Journal of Hydrologic Engineering - ASCE, 1996, 1, 33-40.	1.9	57
59	ENSO Model Validation Using Wavelet Probability Analysis. Journal of Climate, 2010, 23, 5540-5547.	3.2	54
60	Kriging and Local Polynomial Methods for Blending Satellite-Derived and Gauge Precipitation Estimates to Support Hydrologic Early Warning Systems. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2552-2562.	6.3	54
61	A stochastic nonparametric approach for streamflow generation combining observational and paleoreconstructed data. Water Resources Research, 2008, 44, .	4.2	53
62	Integrated Framework for Quantifying and Predicting Weather-Related Highway Construction Delays. Journal of Construction Engineering and Management - ASCE, 2010, 136, 1160-1168.	3.8	53
63	How do hydrologic modeling decisions affect the portrayal of climate change impacts?. Hydrological Processes, 2016, 30, 1071-1095.	2.6	52
64	A resampling procedure for generating conditioned daily weather sequences. Water Resources Research, 2004, 40, .	4.2	51
65	Spatial interpolation schemes of daily precipitation for hydrologic modeling. Stochastic Environmental Research and Risk Assessment, 2012, 26, 295-320.	4.0	48
66	Random finite element method for the seismic analysis of gravity dams. Engineering Structures, 2018, 171, 405-420.	5.3	46
67	Coupled stochastic weather generation using spatial and generalized linear models. Stochastic Environmental Research and Risk Assessment, 2015, 29, 347-356.	4.0	45
68	Attribute-Based Safety Risk Assessment. I: Analysis at the Fundamental Level. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	45
69	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.	3.3	45
70	A nonparametric approach for paleohydrologic reconstruction of annual streamflow ensembles. Water Resources Research, 2009, 45, .	4.2	44
71	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.	2.6	44
72	Multivariate nonparametric resampling scheme for generation of daily weather variables. Stochastic Hydrology & Hydraulics, 1997, 11, 65-93.	0.5	41

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73	Local polynomial method for ensemble forecast of time series. Nonlinear Processes in Geophysics, 2005, 12, 397-406.	1.3	41
74	Statistical Nonparametric Model for Natural Salt Estimation. Journal of Environmental Engineering, ASCE, 2005, 131, 130-138.	1.4	41
75	Spatiotemporal Variability of Seasonality of Rainfall Over India. Geophysical Research Letters, 2018, 45, 7140-7147.	4.0	41
76	Linking weather generators and crop models for assessment of climate forecast outcomes. Agricultural and Forest Meteorology, 2010, 150, 166-174.	4.8	40
77	Multisite stochastic weather generation using cluster analysis and k-nearest neighbor time series resampling. Journal of Hydrology, 2014, 508, 197-213.	5.4	40
78	Evaluation of kernel density estimation methods for daily precipitation resampling. Stochastic Hydrology & Hydraulics, 1997, 11, 523-547.	0.5	39
79	Late Miocene upward and outward growth of eastern Tibet and decreasing monsoon rainfall over the northwestern Indian subcontinent since â^¼10 Ma. Geophysical Research Letters, 2012, 39, .	4.0	39
80	A hidden <scp>M</scp>arkov model combined with climate indices for multidecadal streamflow simulation. Water Resources Research, 2014, 50, 7836-7846.	4.2	38
81	Spatial Bayesian hierarchical modeling of precipitation extremes over a large domain. Water Resources Research, 2016, 52, 6643-6655.	4.2	37
82	A conditional stochastic weather generator for seasonal to multi-decadal simulations. Journal of Hydrology, 2018, 556, 835-846.	5.4	37
83	Changes in North American snowpacks for 1979â€“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.	3.3	36
84	Spatial variability of seasonal extreme precipitation in the western United States. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4522-4533.	3.3	35
85	A kernel estimator for discrete distributions. Journal of Nonparametric Statistics, 1995, 4, 409-426.	0.9	34
86	Future Climate: Projected Average. , 2013, , 101-125.		34
87	A multisite seasonal ensemble streamflow forecasting technique. Water Resources Research, 2010, 46, .	4.2	33
88	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.	3.2	33
89	A new method to produce categorical streamflow forecasts. Water Resources Research, 2006, 42, .	4.2	32
90	Hydroclimate Variability and Change in the Prairie Pothole Region, the â€œDuck Factoryâ€•of North America*. Earth Interactions, 2014, 18, 1-28.	1.5	32

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91	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.	3.3	31
92	Effects of different regional climate model resolution and forcing scales on projected hydrologic changes. Journal of Hydrology, 2016, 541, 1003-1019.	5.4	31
93	Reducing overdispersion in stochastic weather generators using a generalized linear modeling approach. Climate Research, 2012, 53, 13-24.	1.1	31
94	Effect of average flow and capacity utilization on effluent water quality from US municipal wastewater treatment facilities. Water Research, 2011, 45, 4279-4286.	11.3	30
95	Spaceâ€“time variability of Indonesian rainfall at inter-annual and multi-decadal time scales. Climate Dynamics, 2016, 47, 2975-2989.	3.8	30
96	A Multivariate Frequency-Domain Approach to Long-Lead Climatic Forecasting*. Weather and Forecasting, 1998, 13, 58-74.	1.4	28
97	Construction Safety Risk Modeling and Simulation. Risk Analysis, 2017, 37, 1917-1935.	2.7	28
98	Decadal Shift of NAO-Linked Interannual Sea Level Variability along the U.S. Northeast Coast. Journal of Climate, 2018, 31, 4981-4989.	3.2	28
99	Southwestern U.S. treeâ€ring carbon isotope indices as a possible proxy for reconstruction of greenness of vegetation. Geophysical Research Letters, 2008, 35, .	4.0	27
100	Daily minimum and maximum temperature simulation over complex terrain. Annals of Applied Statistics, 2013, 7, .	1.1	27
101	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.	4.0	27
102	Waveletâ€based time series bootstrap model for multidecadal streamflow simulation using climate indicators. Water Resources Research, 2016, 52, 4061-4077.	4.2	27
103	Decadal climate variability in the Argentine Pampas: regional impacts of plausible climate scenarios on agricultural systems. Climate Research, 2009, 40, 199-210.	1.1	27
104	Optimal parameter estimation for Muskingum routing with ungauged lateral inflow. Journal of Hydrology, 1995, 169, 25-35.	5.4	26
105	A robust multimodel framework for ensemble seasonal hydroclimatic forecasts. Water Resources Research, 2014, 50, 6030-6052.	4.2	26
106	Temporal patterns in daily measurements of inorganic and organic speciated PM2.5 in Denver. Atmospheric Environment, 2010, 44, 987-998.	4.1	25
107	Wavelet Auto-Regressive Method (WARM) for multi-site streamflow simulation of data with non-stationary spectra. Journal of Hydrology, 2011, 410, 1-12.	5.4	25
108	HITS: Hurricane Intensity and Track Simulator with North Atlantic Ocean Applications for Risk Assessment. Journal of Applied Meteorology and Climatology, 2015, 54, 1620-1636.	1.5	25

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109	Statistical Postprocessing of High-Resolution Regional Climate Model Output. Monthly Weather Review, 2015, 143, 1533-1553.	1.4	25
110	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.	2.0	24
111	Resilience of Secondary Wastewater Treatment Plants: Prior Performance Is Predictive of Future Process Failure and Recovery Time. Environmental Engineering Science, 2015, 32, 222-231.	1.6	24
112	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.	8.0	24
113	Seasonality of precipitation along a meridian in the western United States. Geophysical Research Letters, 1995, 22, 1081-1084.	4.0	23
114	Generating streamflow forecasts for the Yakima River Basin using large-scale climate predictors. Journal of Hydrology, 2007, 341, 131-143.	5.4	23
115	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.	1.9	21
116	An approach for probabilistic forecasting of seasonal turbidity threshold exceedance. Water Resources Research, 2010, 46, .	4.2	21
117	Reducedâ€dimension reconstruction of the equatorial Pacific SST and zonal wind fields over the past 10,000Âyears using Mg/Ca and alkenone records. Paleoceanography, 2016, 31, 928-952.	3.0	21
118	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.	8.0	21
119	La NiÃ±a's Diminishing Fingerprint on the Central Indian Summer Monsoon. Geophysical Research Letters, 2020, 47, e2019GL086237.	4.0	21
120	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.	2.6	20
121	Use of daily precipitation uncertainties in streamflow simulation and forecast. Stochastic Environmental Research and Risk Assessment, 2011, 25, 957-972.	4.0	20
122	Future Climate: Projected Extremes. , 2013, , 126-147.		20
123	Seasonal forecasting of East Asian summer monsoon based on oceanic heat sources. International Journal of Climatology, 2008, 28, 667-678.	3.5	19
124	Local Polynomialâ€“Based Flood Frequency Estimator for Mixed Population. Journal of Hydrologic Engineering - ASCE, 2010, 15, 680-691.	1.9	19
125	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.	2.6	19
126	Development of a gridded meteorological dataset over Java island, Indonesia 1985â€“2014. Scientific Data, 2017, 4, 170072.	5.3	19

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127	Trends in solar radiation due to clouds and aerosols, southern India, 1952â€“1997. International Journal of Climatology, 2007, 27, 1505-1518.	3.5	18
128	Joint Spatiotemporal Variability of Global Sea Surface Temperatures and Global Palmer Drought Severity Index Values. Journal of Climate, 2009, 22, 6251-6267.	3.2	18
129	Statisticalâ€“Dynamical Approach for Streamflow Modeling at Malakal, Sudan, on the White Nile River. Journal of Hydrologic Engineering - ASCE, 2009, 14, 185-196.	1.9	18
130	Simulating Ensembles of Source Water Quality Using a K-Nearest Neighbor Resampling Approach. Environmental Science & Technology, 2009, 43, 1407-1411.	10.0	18
131	A Bayesian hierarchical nonhomogeneous hidden Markov model for multisite streamflow reconstructions. Water Resources Research, 2016, 52, 7837-7850.	4.2	18
132	Developing Subseasonal to Seasonal Climate Forecast Products for Hydrology and WaterÂManagement. Journal of the American Water Resources Association, 2019, 55, 1024-1037.	2.4	18
133	Spatial-temporal multivariate semi-Bayesian hierarchical framework for extreme precipitation frequency analysis. Journal of Hydrology, 2021, 600, 126499.	5.4	18
134	STOCHASTIC METHODS FOR MODELING PRECIPITATION AND STREAMFLOW. , 2010, , 17-52.		18
135	Long-Range Forecasting of Colorado Streamflows Based on Hydrologic, Atmospheric, and Oceanic Data. Journal of Hydrologic Engineering - ASCE, 2011, 16, 508-520.	1.9	17
136	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.	4.9	17
137	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.	3.0	17
138	BayGEN: A Bayesian Spaceâ€Time Stochastic Weather Generator. Water Resources Research, 2019, 55, 2900-2915.	4.2	17
139	Soil and Air Temperature Calibrations Using Branched GDGTs for the Tropical Andes of Colombia: Toward a Panâ€Tropical Calibration. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC008941.	2.5	17
140	Identification of large scale climate patterns affecting snow variability in the eastern United States. International Journal of Climatology, 2008, 28, 315-328.	3.5	16
141	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.	3.8	16
142	Enhancement of inland penetration of monsoon depressions in the Bay of Bengal due to prestorm ground wetness. Water Resources Research, 2013, 49, 3589-3600.	4.2	16
143	Comment on â€œWhen will Lake Mead go dry?â€• by T. P. Barnett and D. W. Pierce. Water Resources Research, 2009, 45, .	4.2	15
144	Predicting Life Cycle Failures of On-Site Wastewater Treatment Systems Using Generalized Additive Models. Environmental Engineering Science, 2016, 33, 112-124.	1.6	15

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145	Southwestern U.S. Drought Maps From Pinyon Tree-Ring Carbon Isotopes. Eos, 2007, 88, 39.	0.1	14
146	Highly improved predictive skill in the forecasting of the East Asian summer monsoon. Water Resources Research, 2008, 44, .	4.2	14
147	Comparison of Traditional and Bayesian Calibration Techniques for Gray-Box Modeling. Journal of Architectural Engineering, 2014, 20, 04013011.	1.6	14
148	Idea Generation in Virtual Communities for Innovation: The Influence of Participants' Motivation on Idea Quality. , 2012, , .		13
149	Incorporating probabilistic seasonal climate forecasts into river management using a riskâ€based framework. Water Resources Research, 2013, 49, 4997-5008.	4.2	13
150	A K-Nearest neighbor based stochastic multisite flow and stream temperature generation technique. Environmental Modelling and Software, 2017, 91, 87-94.	4.5	13
151	A Bayesian Logistic Regression for Probabilistic Forecasts of the Minimum September Arctic Sea Ice Cover. Earth and Space Science, 2020, 7, e2020EA001176.	2.6	13
152	Modeling NOM Breakthrough in GAC Adsorbers Using Nonparametric Regression Techniques. Environmental Engineering Science, 2007, 24, 1280-1296.	1.6	12
153	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.	1.6	12
154	Modeling Source Water TOC Using Hydroclimate Variables and Local Polynomial Regression. Environmental Science & Technology, 2016, 50, 4413-4421.	10.0	12
155	Nearest neighbor time series bootstrap for generating influent water quality scenarios. Stochastic Environmental Research and Risk Assessment, 2020, 34, 23-31.	4.0	12
156	Identifying the role of typhoons as drought busters in South Korea based on hidden Markov chain models. Geophysical Research Letters, 2015, 42, 2797-2804.	4.0	11
157	A Nonlinear Dynamical Systemsâ€Based Modeling Approach for Stochastic Simulation of Streamflow and Understanding Predictability. Water Resources Research, 2019, 55, 6268-6284.	4.2	11
158	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.	2.6	10
159	Temporal statistical downscaling of precipitation and temperature forecasts using a stochastic weather generator. Advances in Atmospheric Sciences, 2016, 33, 175-183.	4.3	10
160	Using multivariate regression trees and multiobjective tradeoff sets to reveal fundamental insights about water resources systems. Environmental Modelling and Software, 2019, 120, 104498.	4.5	10
161	Spatial and temporal variability of East African Kiremt season precipitation and largeâ€scale teleconnections. International Journal of Climatology, 2020, 40, 1241-1254.	3.5	10
162	Safety Risk Tolerance in the Construction Industry: Cross-Cultural Analysis. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	3.8	10

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163	A DECISION SUPPORT SYSTEM TO MANAGE SUMMER STREAM TEMPERATURES. Journal of the American Water Resources Association, 2006, 42, 1275-1284.	2.4	10
164	Statistical Modeling of Daily Water Temperature Attributes on the Sacramento River. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	9
165	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.	1.6	9
166	Wavelet and Hidden Markov-Based Stochastic Simulation Methods Comparison on Colorado River Streamflow. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	1.9	9
167	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.	3.3	9
168	Multiproxy Reducedâ€Ðimension Reconstruction of Pliocene Equatorial Pacific Sea Surface Temperatures. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003685.	2.9	9
169	A spaceâ€“time Bayesian hierarchical modeling framework for projection of seasonal maximum streamflow. Hydrology and Earth System Sciences, 2022, 26, 149-166.	4.9	9
170	UNDERSTANDING COMPLEXITY IN THE STRUCTURE OF RAINFALL. Fractals, 1993, 01, 606-616.	3.7	8
171	Simulation of Effluent Biological Oxygen Demand and Ammonia for Increasingly Decentralized Networks of Wastewater Treatment Facilities. Environmental Engineering Science, 2015, 32, 232-239.	1.6	8
172	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.	3.8	8
173	A Bayesian Hierarchical Network Model for Daily Streamflow Ensemble Forecasting. Water Resources Research, 2021, 57, e2021WR029920.	4.2	8
174	Stochastic Decadal Projections of Colorado River Streamflow and Reservoir Pool Elevations Conditioned on Temperature Projections. Water Resources Research, 2021, 57, e2021WR030936.	4.2	8
175	Influencia de los cambios en el uso del suelo y la precipitaciÃ³n sobre la dinÃ¡mica hÃdrica de una cuenca de llanura extensa. Caso de estudio: Cuenca del RÃo Salado, Buenos Aires, Argentina. Ribagua, 2018, 5, 92-106.	0.3	7
176	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.	5.2	7
177	Application of Postprocessing to Watershed-Scale Subseasonal Climate Forecasts over the Contiguous United States. Journal of Hydrometeorology, 2020, 21, 971-987.	1.9	7
178	Combined signatures of atmospheric drivers, soil moisture, and moisture source on floods in Narmada River basin, India. Climate Dynamics, 2022, 59, 2831-2851.	3.8	7
179	A basin wide stochastic salinity model. Journal of Hydrology, 2007, 344, 43-54.	5.4	6
180	Enhancing Ensemble Seasonal Streamflow Forecasts in the Upper Colorado River Basin Using Multiâ€Model Climate Forecasts. Journal of the American Water Resources Association, 2021, 57, 906-922.	2.4	6

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181	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, .	2.6	5
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