

# Balaji Rajagopalan

## List of Publications by Year in descending order

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217  
papers

13,565  
citations

26626

56  
h-index

24978

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. <i>Science</i> , 1999, 284, 2156-2159.	12.6	1,325
2	Analyses of global sea surface temperature 1856-1991. <i>Journal of Geophysical Research</i> , 1998, 103, 18567-18589.	3.3	1,287
3	Unraveling the Mystery of Indian Monsoon Failure During El Nino. <i>Science</i> , 2006, 314, 115-119.	12.6	630
4	Seasonal Cycle Shifts in Hydroclimatology over the Western United States. <i>Journal of Climate</i> , 2005, 18, 372-384.	3.2	408
5	Ak-nearest-neighbor simulator for daily precipitation and other weather variables. <i>Water Resources Research</i> , 1999, 35, 3089-3101.	4.2	338
6	Estimation of mutual information using kernel density estimators. <i>Physical Review E</i> , 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. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1472-1483.	4.5	284
8	The Schaake Shuffle: A Method for Reconstructing Space-Time Variability in Forecasted Precipitation and Temperature Fields. <i>Journal of Hydrometeorology</i> , 2004, 5, 243-262.	1.9	279
9	Application of machine learning to construction injury prediction. <i>Automation in Construction</i> , 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. <i>Automation in Construction</i> , 2016, 62, 45-56.	9.8	207
11	Patterns of Indian Ocean sea-level change in a warming climate. <i>Nature Geoscience</i> , 2010, 3, 546-550.	12.9	203
12	A technique for generating regional climate scenarios using a nearest-neighbor algorithm. <i>Water Resources Research</i> , 2003, 39, .	4.2	201
13	Assimilation of snow covered area information into hydrologic and land-surface models. <i>Advances in Water Resources</i> , 2006, 29, 1209-1221.	3.8	197
14	Advancing dynamical prediction of Indian monsoon rainfall. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	176
15	Competition Among Virtual Communities and User Valuation: The Case of Investing-Related Communities. <i>Information Systems Research</i> , 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. <i>Journal of Climate</i> , 2000, 13, 4244-4255.	3.2	158
17	Dominant Patterns of Climate Variability in the Atlantic Ocean during the Last 136 Years. <i>Journal of Climate</i> , 1999, 12, 2285-2299.	3.2	156
18	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. <i>Monthly Weather Review</i> , 2002, 130, 1792-1811.	1.4	155

#	ARTICLE	IF	CITATIONS
19	Hydrology: The interdisciplinary science of water. <i>Water Resources Research</i> , 2015, 51, 4409-4430.	4.2	145
20	Patterns of coherent decadal and interdecadal climate signals in the Pacific Basin during the 20th century. <i>Geophysical Research Letters</i> , 2001, 28, 2069-2072.	4.0	139
21	Model-predictive control of mixed-mode buildings with rule extraction. <i>Building and Environment</i> , 2011, 46, 428-437.	6.9	137
22	A possible link between El Niño and precipitation in Israel. <i>Geophysical Research Letters</i> , 1998, 25, 3963-3966.	4.0	133
23	A technique for incorporating large-scale climate information in basin-scale ensemble streamflow forecasts. <i>Water Resources Research</i> , 2005, 41, .	4.2	130
24	Observed decadal midlatitude and tropical Atlantic climate variability. <i>Geophysical Research Letters</i> , 1998, 25, 3967-3970.	4.0	129
25	A Nonparametric Wet/Dry Spell Model for Resampling Daily Precipitation. <i>Water Resources Research</i> , 1996, 32, 2803-2823.	4.2	123
26	Are we unnecessarily constraining the agility of complex process-based models?. <i>Water Resources Research</i> , 2015, 51, 716-728.	4.2	123
27	Water supply risk on the Colorado River: Can management mitigate?. <i>Water Resources Research</i> , 2009, 45, .	4.2	119
28	Interannual and Interdecadal Variability of Thailand Summer Monsoon Season. <i>Journal of Climate</i> , 2005, 18, 1697-1708.	3.2	117
29	Effects of irrigation and vegetation activity on early Indian summer monsoon variability. <i>International Journal of Climatology</i> , 2009, 29, 573-581.	3.5	117
30	Daily spatiotemporal precipitation simulation using latent and transformed Gaussian processes. <i>Water Resources Research</i> , 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. <i>Climate Dynamics</i> , 2015, 45, 175-184.	3.8	114
32	Anomalous ENSO Occurrences: An Alternate View*. <i>Journal of Climate</i> , 1997, 10, 2351-2357.	3.2	113
33	Statistical downscaling using K -nearest neighbors. <i>Water Resources Research</i> , 2005, 41, .	4.2	105
34	Modeling hydrologic and water quality extremes in a changing climate: A statistical approach based on extreme value theory. <i>Water Resources Research</i> , 2010, 46, .	4.2	105
35	Seasonal forecasting of Thailand summer monsoon rainfall. <i>International Journal of Climatology</i> , 2005, 25, 649-664.	3.5	103
36	A multimodel ensemble forecast framework: Application to spring seasonal flows in the Gunnison River Basin. <i>Water Resources Research</i> , 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. <i>Construction and Building Materials</i> , 2019, 228, 116661.	7.2	98
38	Modified K-NN Model for Stochastic Streamflow Simulation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2006, 11, 371-378.	1.9	96
39	A semiparametric multivariate and multisite weather generator. <i>Water Resources Research</i> , 2007, 43, .	4.2	96
40	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. <i>Water Resources Research</i> , 2010, 46, .	4.2	95
41	The once and future pulse of Indian monsoonal climate. <i>Climate Dynamics</i> , 2011, 36, 2159-2170.	3.8	95
42	The influence of ENSO on global terrestrial water storage using GRACE. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	95
43	Interannual Variability and Ensemble Forecast of Upper Blue Nile Basin Kiremt Season Precipitation. <i>Journal of Hydrometeorology</i> , 2007, 8, 327-343.	1.9	93
44	A stochastic nonparametric technique for space-time disaggregation of streamflows. <i>Water Resources Research</i> , 2007, 43, .	4.2	92
45	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. <i>Journal of Hydrometeorology</i> , 2015, 16, 762-780.	1.9	84
46	A Bayesian Hierarchical Approach to Multivariate Nonstationary Hydrologic Frequency Analysis. <i>Water Resources Research</i> , 2018, 54, 243-255.	4.2	84
47	Interannual variability in western US precipitation. <i>Journal of Hydrology</i> , 1998, 210, 51-67.	5.4	80
48	Seasonal Shifts in the North American Monsoon. <i>Journal of Climate</i> , 2007, 20, 1923-1935.	3.2	71
49	Mass Coral Reef Bleaching: A Recent Outcome of Increased El Niño Activity?. <i>Ecology Letters</i> , 1999, 2, 325-330.	6.4	68
50	A Bayesian kriging approach for blending satellite and ground precipitation observations. <i>Water Resources Research</i> , 2015, 51, 908-921.	4.2	66
51	The role of ENSO in determining climate and maize yield variability in the U.S. cornbelt. <i>International Journal of Climatology</i> , 1999, 19, 877-888.	3.5	65
52	Signatures of Tibetan Plateau heating on Indian summer monsoon rainfall variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1170-1178.	3.3	63
53	Epochal changes in Indian Monsoon-ENSO precursors. <i>Geophysical Research Letters</i> , 1999, 26, 75-78.	4.0	61
54	Regression Model for Daily Maximum Stream Temperature. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 667-674.	1.4	61

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55	Colorado River Basin Hydroclimatic Variability. <i>Journal of Climate</i> , 2012, 25, 4389-4403.	3.2	61
56	Forecasting river temperatures in real time using a stochastic dynamics approach. <i>Water Resources Research</i> , 2013, 49, 5168-5182.	4.2	61
57	Attribute-Based Safety Risk Assessment. II: Predicting Safety Outcomes Using Generalized Linear Models. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015, 141, .	3.8	59
58	Nonhomogeneous Markov Model for Daily Precipitation. <i>Journal of Hydrologic Engineering - ASCE</i> , 1996, 1, 33-40.	1.9	57
59	ENSO Model Validation Using Wavelet Probability Analysis. <i>Journal of Climate</i> , 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. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2552-2562.	6.3	54
61	A stochastic nonparametric approach for streamflow generation combining observational and paleoreconstructed data. <i>Water Resources Research</i> , 2008, 44, .	4.2	53
62	Integrated Framework for Quantifying and Predicting Weather-Related Highway Construction Delays. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010, 136, 1160-1168.	3.8	53
63	How do hydrologic modeling decisions affect the portrayal of climate change impacts?. <i>Hydrological Processes</i> , 2016, 30, 1071-1095.	2.6	52
64	A resampling procedure for generating conditioned daily weather sequences. <i>Water Resources Research</i> , 2004, 40, .	4.2	51
65	Spatial interpolation schemes of daily precipitation for hydrologic modeling. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012, 26, 295-320.	4.0	48
66	Random finite element method for the seismic analysis of gravity dams. <i>Engineering Structures</i> , 2018, 171, 405-420.	5.3	46
67	Coupled stochastic weather generation using spatial and generalized linear models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 347-356.	4.0	45
68	Attribute-Based Safety Risk Assessment. I: Analysis at the Fundamental Level. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015, 141, .	3.8	45
69	Understanding the Dominant Sources and Tracks of Moisture for Summer Rainfall in the Southwest United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4850-4870.	3.3	45
70	A nonparametric approach for paleohydrologic reconstruction of annual streamflow ensembles. <i>Water Resources Research</i> , 2009, 45, .	4.2	44
71	Special Section on Climate Change and Water Resources: Climate Nonstationarity and Water Resources Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2012, 138, 385-388.	2.6	44
72	Multivariate nonparametric resampling scheme for generation of daily weather variables. <i>Stochastic Hydrology &amp; Hydraulics</i> , 1997, 11, 65-93.	0.5	41

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73	Local polynomial method for ensemble forecast of time series. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 397-406.	1.3	41
74	Statistical Nonparametric Model for Natural Salt Estimation. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 130-138.	1.4	41
75	Spatiotemporal Variability of Seasonality of Rainfall Over India. <i>Geophysical Research Letters</i> , 2018, 45, 7140-7147.	4.0	41
76	Linking weather generators and crop models for assessment of climate forecast outcomes. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 166-174.	4.8	40
77	Multisite stochastic weather generation using cluster analysis and k-nearest neighbor time series resampling. <i>Journal of Hydrology</i> , 2014, 508, 197-213.	5.4	40
78	Evaluation of kernel density estimation methods for daily precipitation resampling. <i>Stochastic Hydrology &amp; Hydraulics</i> , 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 $\sim 10$ Ma. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	39
80	A hidden Markov model combined with climate indices for multidecadal streamflow simulation. <i>Water Resources Research</i> , 2014, 50, 7836-7846.	4.2	38
81	Spatial Bayesian hierarchical modeling of precipitation extremes over a large domain. <i>Water Resources Research</i> , 2016, 52, 6643-6655.	4.2	37
82	A conditional stochastic weather generator for seasonal to multi-decadal simulations. <i>Journal of Hydrology</i> , 2018, 556, 835-846.	5.4	37
83	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7682-7697.	3.3	36
84	Spatial variability of seasonal extreme precipitation in the western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4522-4533.	3.3	35
85	A kernel estimator for discrete distributions. <i>Journal of Nonparametric Statistics</i> , 1995, 4, 409-426.	0.9	34
86	Future Climate: Projected Average. , 2013, , 101-125.		34
87	A multisite seasonal ensemble streamflow forecasting technique. <i>Water Resources Research</i> , 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?. <i>Journal of Climate</i> , 2017, 30, 8447-8468.	3.2	33
89	A new method to produce categorical streamflow forecasts. <i>Water Resources Research</i> , 2006, 42, .	4.2	32
90	Hydroclimate Variability and Change in the Prairie Pothole Region, the "Duck Factory" of North America*. <i>Earth Interactions</i> , 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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8165-8185.	3.3	31
92	Effects of different regional climate model resolution and forcing scales on projected hydrologic changes. <i>Journal of Hydrology</i> , 2016, 541, 1003-1019.	5.4	31
93	Reducing overdispersion in stochastic weather generators using a generalized linear modeling approach. <i>Climate Research</i> , 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. <i>Water Research</i> , 2011, 45, 4279-4286.	11.3	30
95	Space-time variability of Indonesian rainfall at inter-annual and multi-decadal time scales. <i>Climate Dynamics</i> , 2016, 47, 2975-2989.	3.8	30
96	A Multivariate Frequency-Domain Approach to Long-Lead Climatic Forecasting*. <i>Weather and Forecasting</i> , 1998, 13, 58-74.	1.4	28
97	Construction Safety Risk Modeling and Simulation. <i>Risk Analysis</i> , 2017, 37, 1917-1935.	2.7	28
98	Decadal Shift of NAO-Linked Interannual Sea Level Variability along the U.S. Northeast Coast. <i>Journal of Climate</i> , 2018, 31, 4981-4989.	3.2	28
99	Southwestern U.S. tree-ring carbon isotope indices as a possible proxy for reconstruction of greenness of vegetation. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	27
100	Daily minimum and maximum temperature simulation over complex terrain. <i>Annals of Applied Statistics</i> , 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. <i>Geophysical Research Letters</i> , 2014, 41, 4323-4331.	4.0	27
102	Wavelet-based time series bootstrap model for multidecadal streamflow simulation using climate indicators. <i>Water Resources Research</i> , 2016, 52, 4061-4077.	4.2	27
103	Decadal climate variability in the Argentine Pampas: regional impacts of plausible climate scenarios on agricultural systems. <i>Climate Research</i> , 2009, 40, 199-210.	1.1	27
104	Optimal parameter estimation for Muskingum routing with ungauged lateral inflow. <i>Journal of Hydrology</i> , 1995, 169, 25-35.	5.4	26
105	A robust multimodel framework for ensemble seasonal hydroclimatic forecasts. <i>Water Resources Research</i> , 2014, 50, 6030-6052.	4.2	26
106	Temporal patterns in daily measurements of inorganic and organic speciated PM2.5 in Denver. <i>Atmospheric Environment</i> , 2010, 44, 987-998.	4.1	25
107	Wavelet Auto-Regressive Method (WARM) for multi-site streamflow simulation of data with non-stationary spectra. <i>Journal of Hydrology</i> , 2011, 410, 1-12.	5.4	25
108	HITS: Hurricane Intensity and Track Simulator with North Atlantic Ocean Applications for Risk Assessment. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 1620-1636.	1.5	25

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109	Statistical Postprocessing of High-Resolution Regional Climate Model Output. <i>Monthly Weather Review</i> , 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. <i>Journal of Building Performance Simulation</i> , 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. <i>Environmental Engineering Science</i> , 2015, 32, 222-231.	1.6	24
112	Assessment of wastewater treatment facility compliance with decreasing ammonia discharge limits using a regression tree model. <i>Science of the Total Environment</i> , 2017, 598, 249-257.	8.0	24
113	Seasonality of precipitation along a meridian in the western United States. <i>Geophysical Research Letters</i> , 1995, 22, 1081-1084.	4.0	23
114	Generating streamflow forecasts for the Yakima River Basin using large-scale climate predictors. <i>Journal of Hydrology</i> , 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. <i>Journal of Hydrometeorology</i> , 2004, 5, 1192-1206.	1.9	21
116	An approach for probabilistic forecasting of seasonal turbidity threshold exceedance. <i>Water Resources Research</i> , 2010, 46, .	4.2	21
117	Reduced-dimension reconstruction of the equatorial Pacific SST and zonal wind fields over the past 10,000 years using Mg/Ca and alkenone records. <i>Paleoceanography</i> , 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. <i>Science of the Total Environment</i> , 2019, 646, 625-633.	8.0	21
119	La Niña's Diminishing Fingerprint on the Central Indian Summer Monsoon. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086237.	4.0	21
120	Water Management Applications of Climate-Based Hydrologic Forecasts: Case Study of the Truckee-Carson River Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007, 133, 339-350.	2.6	20
121	Use of daily precipitation uncertainties in streamflow simulation and forecast. <i>Stochastic Environmental Research and Risk Assessment</i> , 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. <i>International Journal of Climatology</i> , 2008, 28, 667-678.	3.5	19
124	Local Polynomial-Based Flood Frequency Estimator for Mixed Population. <i>Journal of Hydrologic Engineering - ASCE</i> , 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. <i>Hydrological Processes</i> , 2014, 28, 933-957.	2.6	19
126	Development of a gridded meteorological dataset over Java island, Indonesia 1985-2014. <i>Scientific Data</i> , 2017, 4, 170072.	5.3	19



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127	Trends in solar radiation due to clouds and aerosols, southern India, 1952–1997. <i>International Journal of Climatology</i> , 2007, 27, 1505-1518.	3.5	18
128	Joint Spatiotemporal Variability of Global Sea Surface Temperatures and Global Palmer Drought Severity Index Values. <i>Journal of Climate</i> , 2009, 22, 6251-6267.	3.2	18
129	Statistical–Dynamical Approach for Streamflow Modeling at Malakal, Sudan, on the White Nile River. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 185-196.	1.9	18
130	Simulating Ensembles of Source Water Quality Using a K-Nearest Neighbor Resampling Approach. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1407-1411.	10.0	18
131	A Bayesian hierarchical nonhomogeneous hidden Markov model for multisite streamflow reconstructions. <i>Water Resources Research</i> , 2016, 52, 7837-7850.	4.2	18
132	Developing Subseasonal to Seasonal Climate Forecast Products for Hydrology and Water Management. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1024-1037.	2.4	18
133	Spatial-temporal multivariate semi-Bayesian hierarchical framework for extreme precipitation frequency analysis. <i>Journal of Hydrology</i> , 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. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 508-520.	1.9	17
136	River Temperature Forecasting: A Coupled-Modeling Framework for Management of River Habitat. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 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. <i>Paleoceanography</i> , 2017, 32, 195-216.	3.0	17
138	BayGEN: A Bayesian Space–Time Stochastic Weather Generator. <i>Water Resources Research</i> , 2019, 55, 2900-2915.	4.2	17
139	Soil and Air Temperature Calibrations Using Branched GDGTs for the Tropical Andes of Colombia: Toward a Pan–Tropical Calibration. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008941.	2.5	17
140	Identification of large scale climate patterns affecting snow variability in the eastern United States. <i>International Journal of Climatology</i> , 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. <i>Climate Dynamics</i> , 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. <i>Water Resources Research</i> , 2013, 49, 3589-3600.	4.2	16
143	Comment on “When will Lake Mead go dry?” by T. P. Barnett and D. W. Pierce. <i>Water Resources Research</i> , 2009, 45, .	4.2	15
144	Predicting Life Cycle Failures of On-Site Wastewater Treatment Systems Using Generalized Additive Models. <i>Environmental Engineering Science</i> , 2016, 33, 112-124.	1.6	15

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145	Southwestern U.S. Drought Maps From Pinyon Tree-Ring Carbon Isotopes. <i>Eos</i> , 2007, 88, 39.	0.1	14
146	Highly improved predictive skill in the forecasting of the East Asian summer monsoon. <i>Water Resources Research</i> , 2008, 44, .	4.2	14
147	Comparison of Traditional and Bayesian Calibration Techniques for Gray-Box Modeling. <i>Journal of Architectural Engineering</i> , 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 risk-based framework. <i>Water Resources Research</i> , 2013, 49, 4997-5008.	4.2	13
150	A K-Nearest neighbor based stochastic multisite flow and stream temperature generation technique. <i>Environmental Modelling and Software</i> , 2017, 91, 87-94.	4.5	13
151	A Bayesian Logistic Regression for Probabilistic Forecasts of the Minimum September Arctic Sea Ice Cover. <i>Earth and Space Science</i> , 2020, 7, e2020EA001176.	2.6	13
152	Modeling NOM Breakthrough in GAC Adsorbers Using Nonparametric Regression Techniques. <i>Environmental Engineering Science</i> , 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. <i>Environmental Engineering Science</i> , 2009, 26, 1299-1308.	1.6	12
154	Modeling Source Water TOC Using Hydroclimate Variables and Local Polynomial Regression. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4413-4421.	10.0	12
155	Nearest neighbor time series bootstrap for generating influent water quality scenarios. <i>Stochastic Environmental Research and Risk Assessment</i> , 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. <i>Geophysical Research Letters</i> , 2015, 42, 2797-2804.	4.0	11
157	A Nonlinear Dynamical Systems-Based Modeling Approach for Stochastic Simulation of Streamflow and Understanding Predictability. <i>Water Resources Research</i> , 2019, 55, 6268-6284.	4.2	11
158	Prototype Decision Support System for Operations on the Gunnison Basin with Improved Forecasts. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011, 137, 428-438.	2.6	10
159	Temporal statistical downscaling of precipitation and temperature forecasts using a stochastic weather generator. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 175-183.	4.3	10
160	Using multivariate regression trees and multiobjective tradeoff sets to reveal fundamental insights about water resources systems. <i>Environmental Modelling and Software</i> , 2019, 120, 104498.	4.5	10
161	Spatial and temporal variability of East African Kiremt season precipitation and large-scale teleconnections. <i>International Journal of Climatology</i> , 2020, 40, 1241-1254.	3.5	10
162	Safety Risk Tolerance in the Construction Industry: Cross-Cultural Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , 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
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