Upmanu Lall

List of Publications by Year
in descending order

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		20817	37204
277	12,418	60	96
papers	citations	h-index	g-index

315	315	315	10044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Last two millennia of streamflow variability in the headwater catchment of the Yellow River basin reconstructed from tree rings. Journal of Hydrology, 2022, 606, 127387.	5.4	3
2	The importance of infrastructure and national demand to represent constraints on water supply in the United States. Global Environmental Change, 2022, 73, 102468.	7.8	4
3	Regional Index Insurance Using Satelliteâ€Based Fractional Flooded Area. Earth's Future, 2022, 10, .	6.3	9
4	A k-nearest neighbor space-time simulator with applications to large-scale wind and solar power modeling. Patterns, 2022, 3, 100454.	5.9	5
5	Human mobility data and analysis for urban resilience: A systematic review. Environment and Planning B: Urban Analytics and City Science, 2022, 49, 1507-1535.	2.0	11
6	Enabling AI innovation via data and model sharing: An overview of the NSF Convergence Accelerator Track D. AI Magazine, 2022, 43, 93-104.	1.6	2
7	A Flood Risk Management Model to Identify Optimal Defence Policies in Coastal Areas Considering Uncertainties in Climate Projections. Water (Switzerland), 2022, 14, 1481.	2.7	3
8	Solving groundwater depletion in India while achieving food security. Nature Communications, 2022, 13, .	12.8	23
9	Landscape changes and their hydrologic effects: Interactions and feedbacks across scales. Earth-Science Reviews, 2021, 212, 103466.	9.1	27
10	Making waves: Right in our backyard- surface discharge of untreated wastewater from homes in the United States. Water Research, 2021, 190, 116647.	11.3	23
11	Seasonal Precipitation Predictability for the Northern Hemisphere Using Concurrent and Preseason Atmospheric Water Vapor Transport and Sea Surface Temperature. Journal of Hydrometeorology, 2021, 22, 183-199.	1.9	5
12	Africa Would Need to Import More Maize in the Future Even Under 1.5Â°C Warming Scenario. Earth's Future, 2021, 9, e2020EF001574.	6.3	6
13	Groundwater depletion will reduce cropping intensity in India. Science Advances, 2021, 7, .	10.3	87
14	Early Season Hurricane Risk Assessment: Climate-Conditioned HITS Simulation of North Atlantic Tropical Storm Tracks. Journal of Applied Meteorology and Climatology, 2021, 60, 559-575.	1.5	3
15	How unprecedented was the February 2021 Texas cold snap?. Environmental Research Letters, 2021, 16, 064056.	5.2	76
16	Space-time clustering of climate extremes amplify global climate impacts, leading to fat-tailed risk. Natural Hazards and Earth System Sciences, 2021, 21, 2277-2284.	3.6	5
17	Causes, impacts and patterns of disastrous river floods. Nature Reviews Earth & Environment, 2021, 2, 592-609.	29.7	175
18	Superposed Natural Hazards and Pandemics: Breaking Dams, Floods, and COVID-19. Sustainability, 2021, 13, 8713.	3.2	16

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19	A Bayesian Hierarchical Network Model for Daily Streamflow Ensemble Forecasting. Water Resources Research, 2021, 57, e2021WR029920.	4.2	8
20	Copula-based reliability and sensitivity analysis of aging dams: Adaptive Kriging and polynomial chaos Kriging methods. Applied Soft Computing Journal, 2021, 109, 107524.	7.2	53
21	Multi-dimensional and Interacting Water and Climate Risks and Pricing Them in the Industry Context. Palgrave Studies in Sustainable Business in Association With Future Earth, 2021, , 303-327.	0.8	1
22	Flood hazard assessment from storm tides, rain and sea level rise for a tidal river estuary. Natural Hazards, 2020, 102, 729-757.	3.4	43
23	The impact of the Three Gorges Dam on summer streamflow in the Yangtze River Basin. Hydrological Processes, 2020, 34, 705-717.	2.6	15
24	A City Wide Assessment of the Financial Benefits of Rainwater Harvesting in Mexico City. Journal of the American Water Resources Association, 2020, 56, 247-269.	2.4	4
25	GRAPS: Generalized Multi-Reservoir Analyses using probabilistic streamflow forecasts. Environmental Modelling and Software, 2020, 133, 104802.	4.5	3
26	Seven centuries of reconstructed Brahmaputra River discharge demonstrate underestimated high discharge and flood hazard frequency. Nature Communications, 2020, 11, 6017.	12.8	58
27	A Snapshot of the World's Groundwater Challenges. Annual Review of Environment and Resources, 2020, 45, 171-194.	13.4	91
28	Stochastic Scenarios for 21st Century Rainfall Seasonality, Daily Frequency, and Intensity in South Florida. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	4
29	Invigorating Hydrological Research Through Journal Publications. Water Resources Research, 2020, 56, .	4.2	5
30	An observation-driven optimization method for continuous estimation of evaporative fraction over large heterogeneous areas. Remote Sensing of Environment, 2020, 247, 111887.	11.0	7
31	Adaptation over Fatalism: Leveraging High-Impact Climate Disasters to Boost Societal Resilience. Journal of Water Resources Planning and Management - ASCE, 2020, 146, 01820001.	2.6	4
32	Larger Drought and Flood Hazards and Adverse Impacts on Population and Economic Productivity Under 2.0 than 1.5Â°C Warming. Earth's Future, 2020, 8, e2019EF001398.	6.3	25
33	A Multiscale Precipitation Forecasting Framework: Linking Teleconnections and Climate Dipoles to Seasonal and 24â€hr Extreme Rainfall Prediction. Geophysical Research Letters, 2020, 47, e2019GL085418.	4.0	4
34	The effects of preâ€season high flows, climate, and the Three Gorges Dam on low flow at the Three Gorges Region, China. Hydrological Processes, 2020, 34, 2088-2100.	2.6	4
35	Synchronization and Delay Between Circulation Patterns and High Streamflow Events in Germany. Water Resources Research, 2020, 56, e2019WR025598.	4.2	9
36	ENSO Dynamics, Trends, and Prediction Using Machine Learning. Weather and Forecasting, 2020, 35, 2061-2081.	1.4	9

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37	Streamflow Reconstruction in the Upper Missouri River Basin Using a Novel Bayesian Network Model. Water Resources Research, 2019, 55, 7694-7716.	4.2	16
38	Monthly Streamflow Simulation for the Headwater Catchment of the Yellow River Basin With a Hybrid Statisticalâ€Dynamical Model. Water Resources Research, 2019, 55, 7606-7621.	4.2	29
39	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
40	Evaluating China's Water Security for Food Production: The Role of Rainfall and Irrigation. Geophysical Research Letters, 2019, 46, 11155-11166.	4.0	25
41	Development of a Non-Parametric Stationary Synthetic Rainfall Generator for Use in Hourly Water Resource Simulations. Water (Switzerland), 2019, 11, 1728.	2.7	2
42	Detecting community response to water quality violations using bottled water sales. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20917-20922.	7.1	25
43	Robust Adaptation to Multiscale Climate Variability. Earth's Future, 2019, 7, 734-747.	6.3	23
44	Atmospheric Circulation Patterns Associated with Extreme United States Floods Identified via Machine Learning. Scientific Reports, 2019, 9, 7171.	3.3	43
45	Supply Chain Analysis of Contract Farming. Manufacturing and Service Operations Management, 2019, 21, 361-378.	3.7	59
46	An improved nonstationary model for flood frequency analysis and its implication for the Three Gorges Dam, China. Hydrological Sciences Journal, 2019, 64, 845-855.	2.6	15
47	Probabilistic Models Significantly Reduce Uncertainty in Hurricane Harvey Pluvial Flood Loss Estimates. Earth's Future, 2019, 7, 384-394.	6.3	46
48	Variability patterns of the annual frequency and timing of low streamflow days across the United States and their linkage to regional and largeâ€scale climate. Hydrological Processes, 2019, 33, 1569-1578.	2.6	5
49	The U.S. Water Data Gapâ€”A Survey of Stateâ€Level Water Data Platforms to Inform the Development of a National Water Portal. Earth's Future, 2019, 7, 433-449.	6.3	24
50	Relative contribution of climate variability and human activities on the water loss of the Chari/Logone River discharge into Lake Chad: A conceptual and statistical approach. Journal of Hydrology, 2019, 569, 519-531.	5.4	38
51	Regional Extreme Precipitation Events: Robust Inference From Credibly Simulated <scp>GCM</scp> Variables. Water Resources Research, 2018, 54, 3809-3824.	4.2	27
52	National trends in drinking water quality violations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2078-2083.	7.1	228
53	The Hydro-economics of Mining. Ecological Economics, 2018, 145, 368-379.	5.7	59
54	Assessing the economic impact of a low-cost water-saving irrigation technology in Indian Punjab: the tensiometer. Water International, 2018, 43, 305-321.	1.0	24

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55	A model robust real options valuation methodology incorporating climate risk. Resources Policy, 2018, 57, 81-87.	9.6	5
56	An event synchronization method to link heavy rainfall events and largeâ€scale atmospheric circulation features. International Journal of Climatology, 2018, 38, 1421-1437.	3.5	23
57	Countyâ€Scale Rainwater Harvesting Feasibility in the United States: Climate, Collection Area, Density, and Reuse Considerations. Journal of the American Water Resources Association, 2018, 54, 255-274.	2.4	19
58	Joint Editorial: Invigorating hydrological research through journal publications. Hydrology Research, 2018, 49, iii-ix.	2.7	0
59	Sustainable Development of Water Resources: Spatio-Temporal Analysis of Water Stress in South Korea. Sustainability, 2018, 10, 3795.	3.2	7
60	Season-ahead forecasting of water storage and irrigation requirements â€“ an application to the southwest monsoon in India. Hydrology and Earth System Sciences, 2018, 22, 5125-5141.	4.9	4
61	Tailings Dams Failures: Updated Statistical Model for Discharge Volume and Runout. Environments - MDPI, 2018, 5, 28.	3.3	35
62	Joint editorial: Invigorating hydrological research through journal publications. Hydrology and Earth System Sciences, 2018, 22, 5735-5739.	4.9	3
63	An analysis of Peru: Is water driving mining conflicts?. Resources Policy, 2018, 74, 101270.	9.6	12
64	Groundwater Depletion and Associated CO₂ Emissions in India. Earth's Future, 2018, 6, 1672-1681.	6.3	66
65	Invigorating Hydrological Research through Journal Publications. Journal of Hydrometeorology, 2018, 19, 1713-1719.	1.9	0
66	Joint Editorial: Invigorating Hydrological Research through Journal Publications. Vadose Zone Journal, 2018, 17, 180001ed.	2.2	0
67	The bridge between precipitation and temperature â€“ Pressure Change Events: Modeling future non-stationary precipitation. Journal of Hydrology, 2018, 562, 346-357.	5.4	13
68	A 500â€Year Tree Ringâ€Based Reconstruction of Extreme Coldâ€Season Precipitation and Number of Atmospheric River Landfalls Across the Southwestern United States. Geophysical Research Letters, 2018, 45, 5672-5680.	4.0	9
69	Six Centuries of Upper Indus Basin Streamflow Variability and Its Climatic Drivers. Water Resources Research, 2018, 54, 5687-5701.	4.2	40
70	How Wet and Dry Spells Evolve across the Conterminous United States Based on 555 Years of Paleoclimate Data. Journal of Climate, 2018, 31, 6633-6647.	3.2	6
71	Willingness of farmers to pay for satellite-based irrigation advisory services: a southern Italy experience. Journal of Agricultural Science, 2018, 156, 723-730.	1.3	9
72	Invigorating hydrological research through journal publications. Ecohydrology, 2018, 11, e2016.	2.4	0

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73	Invigorating hydrological research through journal publications. Hydrological Sciences Journal, 2018, 63, 1113-1117.	2.6	4
74	Joint Editorial Invigorating Hydrological Research through Journal Publications. Journal of Hydrology and Hydromechanics, 2018, 66, 257-260.	2.0	1
75	The future role of dams in the <scp>U</scp>nited <scp>S</scp>tates of <scp>A</scp>merica. Water Resources Research, 2017, 53, 982-998.	4.2	135
76	Depletion and response of deep groundwater to climate-induced pumping variability. Nature Geoscience, 2017, 10, 105-108.	12.9	161
77	An index for drought induced financial risk in the mining industry. Water Resources Research, 2017, 53, 1509-1524.	4.2	18
78	Large scale climate and rainfall seasonality in a Mediterranean Area: Insights from a nonâ€homogeneous Markov model applied to the Agroâ€Pontino plain. Hydrological Processes, 2017, 31, 668-686.	2.6	29
79	Optimizing multiple reliable forward contracts for reservoir allocation using multitime scale streamflow forecasts. Water Resources Research, 2017, 53, 2035-2050.	4.2	18
80	Multiscale temporal variability and regional patterns in 555 years of conterminous U.S. streamflow. Water Resources Research, 2017, 53, 3047-3066.	4.2	32
81	Nonstationary extreme flood/rainfall frequency analysis informed by largeâ€scale oceanic fields for Xidayang Reservoir in North China. International Journal of Climatology, 2017, 37, 3810-3820.	3.5	18
82	A hierarchical Bayesian regression model for predicting summer residential electricity demand across the U.S.A.. Energy, 2017, 140, 601-611.	8.8	38
83	Framework for minimising the impact of regional shocks on global food security using multi-objective ant colony optimisation. Environmental Modelling and Software, 2017, 95, 303-319.	4.5	7
84	Classification of mechanisms, climatic context, areal scaling, and synchronization of floods: the hydroclimatology of floods in the Upper ParanÃ¡ River basin, Brazil. Earth System Dynamics, 2017, 8, 1071-1091.	7.1	11
85	A water risk index for portfolio exposure to climatic extremes: conceptualization and an application to the mining industry. Hydrology and Earth System Sciences, 2017, 21, 2075-2106.	4.9	17
86	Tropical Moisture Exports, Extreme Precipitation and Floods in Northeastern US. Earth Science Research, 2017, 6, 91.	0.3	13
87	Zonal Wind Indices to Reconstruct CONUS Winter Precipitation. Geophysical Research Letters, 2017, 44, 12,236.	4.0	3
88	Hierarchical regression models for dendroclimatic standardization and climate reconstruction. Dendrochronologia, 2017, 44, 174-186.	2.2	8
89	Low Streamflow Trends in the United States. Turkish Journal of Water Science and Management, 2017, 1, 71-89.	0.2	1
90	Using a Participatory Stakeholder Process to Plan Water Development in Koraro, Ethiopia. Water (Switzerland), 2016, 8, 275.	2.7	2

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91	Waveletâ€based time series bootstrap model for multidecadal streamflow simulation using climate indicators. Water Resources Research, 2016, 52, 4061-4077.	4.2	27
92	Can Electricity Pricing Save Indiaâ€™s Groundwater? Field Evidence from a Novel Policy Mechanism in Gujarat. Journal of the Association of Environmental and Resource Economists, 2016, 3, 819-855.	1.5	30
93	Comment on â€œQuantifying renewable groundwater stress with GRACEâ€•by Alexandra S. Richey et al.. Water Resources Research, 2016, 52, 4184-4187.	4.2	16
94	Can a paleodrought record be used to reconstruct streamflow?: A case study for the Missouri River Basin. Water Resources Research, 2016, 52, 5195-5212.	4.2	25
95	A hierarchical Bayesian GEV model for improving local and regional flood quantile estimates. Journal of Hydrology, 2016, 541, 816-823.	5.4	44
96	A copulaâ€based nonstationary frequency analysis for the 2012â€“2015 drought in California. Water Resources Research, 2016, 52, 5662-5675.	4.2	106
97	America's water: Agricultural water demands and the response of groundwater. Geophysical Research Letters, 2016, 43, 7546-7555.	4.0	20
98	The unusual 2013â€“2015 drought in South Korea in the context of a multicentury precipitation record: Inferences from a nonstationary, multivariate, Bayesian copula model. Geophysical Research Letters, 2016, 43, 8534-8544.	4.0	52
99	Can PDSI inform extreme precipitation?: An exploration with a 500 year long paleoclimate reconstruction over the U.S.. Water Resources Research, 2016, 52, 3866-3880.	4.2	26
100	El <scp>N</scp>iÃ±o and the <scp>U</scp>.<scp>S</scp>. precipitation and floods: What was expected for the Januaryâ€“March 2016 winter hydroclimate that is now unfolding?. Water Resources Research, 2016, 52, 1498-1501.	4.2	17
101	Chinaâ€™s socioeconomic risk from extreme events in a changing climate: a hierarchical Bayesian model. Climatic Change, 2016, 139, 169-181.	3.6	12
102	Projecting changes in Tanzania rainfall for the 21st century. International Journal of Climatology, 2016, 36, 4297-4314.	3.5	18
103	Flood frequencies and durations and their response to El NiÃ±o Southern Oscillation: Global analysis. Journal of Hydrology, 2016, 539, 358-378.	5.4	93
104	Development of a Demand Sensitive Drought Index and its application for agriculture over the conterminous United States. Journal of Hydrology, 2016, 534, 219-229.	5.4	25
105	Exploring the Predictability of 30-Day Extreme Precipitation Occurrence Using a Global SSTâ€“SLP Correlation Network. Journal of Climate, 2016, 29, 1013-1029.	3.2	18
106	Spatiotemporal Structure of Precipitation Related to Tropical Moisture Exports over the Eastern United States and Its Relation to Climate Teleconnections. Journal of Hydrometeorology, 2016, 17, 897-913.	1.9	17
107	An Empirical, Nonparametric Simulator for Multivariate Random Variables with Differing Marginal Densities and Nonlinear Dependence with Hydroclimatic Applications. Risk Analysis, 2016, 36, 57-73.	2.7	21
108	Modeling and simulation of the vulnerability of interdependent power-water infrastructure networks to cascading failures. Journal of Systems Science and Systems Engineering, 2016, 25, 102-118.	1.6	58

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109	Resolving Contrasting Regional Rainfall Responses to El NiÃ±o over Tropical Africa. Journal of Climate, 2016, 29, 1461-1476.	3.2	46
110	Building Private Sector Resilience: Directions After the 2015 Sendai Framework. Journal of Disaster Research, 2016, 11, 535-543.	0.7	20
111	America's water risk: Current demand and climate variability. Geophysical Research Letters, 2015, 42, 2285-2293.	4.0	49
112	Spatially coherent trends of annual maximum daily precipitation in the United States. Geophysical Research Letters, 2015, 42, 9781-9789.	4.0	24
113	A hierarchical <scp>B</scp>ayesian regional model for nonstationary precipitation extremes in <scp>N</scp>orthern <scp>C</scp>alifornia conditioned on tropical moisture exports. Water Resources Research, 2015, 51, 1472-1492.	4.2	55
114	Charting unknown watersâ€"On the role of surprise in flood risk assessment and management. Water Resources Research, 2015, 51, 6399-6416.	4.2	83
115	Scaling of extreme rainfall areas at a planetary scale. Chaos, 2015, 25, 075407.	2.5	6
116	Introduction to the Focus Issue: Physics of Scaling and Self-similarity in Hydrologic Dynamics, Hydrodynamics, and Climate. Chaos, 2015, 25, 075201.	2.5	4
117	Changes in the seasonality of tornado and favorable genesis conditions in the central United States. Geophysical Research Letters, 2015, 42, 4224-4231.	4.0	31
118	Spaceâ€time structure of extreme precipitation in Europe over the last century. International Journal of Climatology, 2015, 35, 1749-1760.	3.5	27
119	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
120	Hierarchical <scp>B</scp>ayesian clustering for nonstationary flood frequency analysis: Application to trends of annual maximum flow in <scp>G</scp>ermany. Water Resources Research, 2015, 51, 6586-6601.	4.2	45
121	Daily Precipitation and Tropical Moisture Exports across the Eastern United States: An Application of Archetypal Analysis to Identify Spatiotemporal Structure. Journal of Climate, 2015, 28, 8585-8602.	3.2	34
122	A climate informed model for nonstationary flood risk prediction: Application to Negro River at Manaus, Amazonia. Journal of Hydrology, 2015, 522, 594-602.	5.4	64
123	The effects of land use change and precipitation change on direct runoff in Wei River watershed, China. Water Science and Technology, 2015, 71, 289-295.	2.5	27
124	Predictive statistical models linking antecedent meteorological conditions and waterway bacterial contamination in urban waterways. Water Research, 2015, 76, 143-159.	11.3	13
125	Hydrology: The interdisciplinary science of water. Water Resources Research, 2015, 51, 4409-4430.	4.2	145
126	Flood risks and impacts: A case study of Thailandâ€™s floods in 2011 and research questions for supply chain decision making. International Journal of Disaster Risk Reduction, 2015, 14, 256-272.	3.9	242

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127	Modeling winter rainfall in Northwest India using a hidden Markov model: understanding occurrence of different states and their dynamical connections. Climate Dynamics, 2015, 44, 1003-1015.	3.8	15
128	Assessment of Agricultural Water Management in Punjab, India, Using Bayesian Methods. , 2015, , 147-162.		9
129	Machine Learning Methods for ENSO Analysis and Prediction. , 2015, , 13-21.		5
130	Floods and climate: emerging perspectives for flood risk assessment and management. Natural Hazards and Earth System Sciences, 2014, 14, 1921-1942.	3.6	239
131	Climate information based streamflow and rainfall forecasts for Huai River basin using hierarchical Bayesian modeling. Hydrology and Earth System Sciences, 2014, 18, 1539-1548.	4.9	33
132	China's water sustainability in the 21st century: a climate-informed water risk assessment covering multi-sector water demands. Hydrology and Earth System Sciences, 2014, 18, 1653-1662.	4.9	15
133	Intrinsic modulation of ENSO predictability viewed through a local Lyapunov lens. Climate Dynamics, 2014, 42, 253-270.	3.8	29
134	Debatesâ€"The future of hydrological sciences: A (common) path forward? One water. One world. Many climes. Many souls. Water Resources Research, 2014, 50, 5335-5341.	4.2	34
135	Climate risk management for water in semiâ€“arid regions. Earth Perspectives -- Transdisciplinarity Enabled, 2014, 1, 12.	1.4	14
136	Regional frequency analysis conditioned on large-scale atmospheric or oceanic fields. Water Resources Research, 2014, 50, 9536-9554.	4.2	37
137	Adaptable web modules to stimulate active learning in engineering hydrology using data and model simulations. , 2014, , .		0
138	Precipitation predictability associated with tropical moisture exports and circulation patterns for a major flood in France in 1995. Water Resources Research, 2013, 49, 6381-6392.	4.2	50
139	Optimal Crop Choice, Irrigation Allocation, and the Impact of Contract Farming. Production and Operations Management, 2013, 22, 1126-1143.	3.8	54
140	Diagnostics of Western Himalayan Satluj River flow: Warm season (MAM/JJAS) inflow into Bhakra dam in India. Journal of Hydrology, 2013, 478, 132-147.	5.4	12
141	Assessing chronic and climateâ€induced water risk through spatially distributed cumulative deficit measures: A new picture of water sustainability in India. Water Resources Research, 2013, 49, 2135-2145.	4.2	37
142	Implications of multi-scale sea level and climate variability for coastal resources. Regional Environmental Change, 2013, 13, 91-100.	2.9	15
143	Dynamical Structure of Extreme Floods in the U.S. Midwest and the United Kingdom. Journal of Hydrometeorology, 2013, 14, 485-504.	1.9	76
144	The Role of Multimodel Climate Forecasts in Improving Water and Energy Management over the Tana River Basin, Kenya. Journal of Applied Meteorology and Climatology, 2013, 52, 2460-2475.	1.5	20

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145	A Tree-Ring-Based Reconstruction of Delaware River Basin Streamflow Using Hierarchical Bayesian Regression. Journal of Climate, 2013, 26, 4357-4374.	3.2	71
146	Is an Epic Pluvial Masking the Water Insecurity of the Greater New York City Region?*,+. Journal of Climate, 2013, 26, 1339-1354.	3.2	126
147	A Worldwide Comparison of Water Use Efficiency of Crop Production. Applied Mechanics and Materials, 2013, 275-277, 2718-2722.	0.2	0
148	Predictability of Western Himalayan river flow: melt seasonal inflow into Bhakra Reservoir in northern India. Hydrology and Earth System Sciences, 2013, 17, 2131-2146.	4.9	18
149	Multi-variate flood damage assessment: a tree-based data-mining approach. Natural Hazards and Earth System Sciences, 2013, 13, 53-64.	3.6	179
150	Global Freshwater and Food Security in the Face of Potential Adversity. , 2013, , 120-141.		2
151	Surface Temperature Gradients as Diagnostic Indicators of Midlatitude Circulation Dynamics. Journal of Climate, 2012, 25, 4154-4171.	3.2	20
152	Mining time-lagged relationships in spatio-temporal climate data. , 2012, , .		4
153	Contract farming with possible reneging in a developing country: Can it work?. IIMB Management Review, 2012, 24, 187-202.	1.4	14
154	Uncertainty assessment of hydrologic and climate forecast models in Northeastern Brazil. Hydrological Processes, 2012, 26, 3875-3885.	2.6	35
155	The Sustainability of Water Resources in China. , 2012, , 239-288.		1
156	Predicting foraging wading bird populations in Everglades National Park from seasonal hydrologic statistics under different management scenarios. Water Resources Research, 2011, 47, .	4.2	6
157	Overâ€extraction from shallow bedrock versus deep alluvial aquifers: Reliability versus sustainability considerations for India's groundwater irrigation. Water Resources Research, 2011, 47, .	4.2	84
158	Insights from a joint analysis of Indian and Chinese monsoon rainfall data. Hydrology and Earth System Sciences, 2011, 15, 2709-2715.	4.9	9
159	Climatic precursors of autumn streamflow in the northeast United States. International Journal of Climatology, 2011, 31, 1773-1784.	3.5	5
160	Interpreting variability in global SST data using independent component analysis and principal component analysis. International Journal of Climatology, 2010, 30, 333-346.	3.5	20
161	Modeling Irrigated Area to Increase Water, Energy, and Food Security in Semiarid India. Weather, Climate, and Society, 2010, 2, 255-270.	1.1	12
162	Climate informed monthly streamflow forecasts for the Brazilian hydropower network using a periodic ridge regression model. Journal of Hydrology, 2010, 380, 438-449.	5.4	42

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163	Climate informed long term seasonal forecasts of hydroenergy inflow for the Brazilian hydropower system. Journal of Hydrology, 2010, 381, 65-75.	5.4	21
164	El-NiÃ±o/Southern Oscillation (ENSO) influences on monthly NO3 load and concentration, stream flow and precipitation in the Little River Watershed, Tifton, Georgia (GA). Journal of Hydrology, 2010, 381, 352-363.	5.4	60
165	Spatial scaling in a changing climate: A hierarchical bayesian model for non-stationary multi-site annual maximum and monthly streamflow. Journal of Hydrology, 2010, 383, 307-318.	5.4	115
166	A rainwater harvesting system reliability model based on nonparametric stochastic rainfall generator. Journal of Hydrology, 2010, 392, 105-118.	5.4	174
167	A modified support vector machine based prediction model on streamflow at the Shihmen Reservoir, Taiwan. International Journal of Climatology, 2010, 30, 1256-1268.	3.5	51
168	A Simple Framework for Incorporating Seasonal Streamflow Forecasts into Existing Water Resource Management Practices¹. Journal of the American Water Resources Association, 2010, 46, 574-585.	2.4	32
169	Local Polynomialâ€"Based Flood Frequency Estimator for Mixed Population. Journal of Hydrologic Engineering - ASCE, 2010, 15, 680-691.	1.9	19
170	Predictive downscaling based on non-homogeneous hidden Markov models. Hydrological Sciences Journal, 2010, 55, 333-350.	2.6	30
171	A nonparametric stochastic approach for multisite disaggregation of annual to daily streamflow. Water Resources Research, 2010, 46, .	4.2	95
172	Challenges in securing India's water future. , 2010, , 21-26.		0
173	Challenges in Securing India's Water Future. Journal of Crop Improvement, 2009, 24, 85-91.	1.7	7
174	Statistical Prediction of ENSO from Subsurface Sea Temperature Using a Nonlinear Dimensionality Reduction. Journal of Climate, 2009, 22, 4501-4519.	3.2	35
175	Classifying North Atlantic Tropical Cyclone Tracks by Mass Moments*. Journal of Climate, 2009, 22, 5481-5494.	3.2	70
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