Evaluating changes and estimating seasonal precipitation for the Colorado River Basin using a stochastic nonparametric disaggregation technique

DOI: 10.1029/2010wr009118
Water Resources Research, 2011, 47, .

#	Paper	IF	Citations
73	Evaluating Urban Storm-Water Infrastructure Design in Response to Projected Climate Change. *Journal of Hydrologic Engineering - ASCE*, **2011**, 16, 865-873	1.8	80
72	Estimating annual precipitation for the Colorado River Basin using oceanic-atmospheric oscillations. *Water Resources Research*, **2012**, 48,	5.4	51
71	The carbon footprint of water management policy options. *Energy Policy*, **2012**, 42, 201-212	7.2	79
70	Changing climatic conditions in the Colorado River Basin: Implications for water resources management. *Journal of Hydrology*, **2012**, 430-431, 127-141	6	92
69	Using large-scale climatic patterns for improving long lead time streamflow forecasts for Gunnison and San Juan River Basins. *Hydrological Processes*, **2013**, 27, 1543-1559	3.3	56
68	Increasing streamflow forecast lead time for snowmelt-driven catchment based on large-scale climate patterns. *Advances in Water Resources*, **2013**, 53, 150-162	4.7	67
67	Evaluating water conservation and reuse policies using a dynamic water balance model. *Environmental Management*, **2013**, 51, 449-58	3.1	57
66	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. *Water Resources Management*, **2013**, 27, 3085-3101	3.7	86
65	Evaluating the impact of demand-side management on water resources under changing climatic conditions and increasing population. *Journal of Environmental Management*, **2013**, 114, 261-75	7.9	117
64	Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. *Journal of Hydrologic Engineering - ASCE*, **2013**, 18, 1031-1040	1.8	52
63	Predicting regime shifts in flow of the Gunnison River under changing climate conditions. *Water Resources Research*, **2013**, 49, 2966-2974	5.4	9
62	COMPARATIVE EVALUATION OF IMPLEMENTING PARTICIPATORY IRRIGATION MANAGEMENT IN PUNJAB, PAKISTAN. *Irrigation and Drainage*, **2014**, 63, 315-327	1.1	11
61	Drought forecasting in a semi-arid watershed using climate signals: a neuro-fuzzy modeling approach. *Journal of Mountain Science*, **2014**, 11, 1593-1605	2.1	67
60	Assessing the long-term impact of climatic variability and human activities on the water resources of a meso-scale Mediterranean catchment. *Hydrological Sciences Journal*, **2014**, 59, 1457-1469	3.5	12
59	Evaluating the effect of persistence on long-term trends and analyzing step changes in streamflows of the continental United States. *Journal of Hydrology*, **2014**, 517, 36-53	6	118
58	Multisite rainfall downscaling and disaggregation in a tropical urban area. *Journal of Hydrology*, **2014**, 509, 55-65	6	21
57	Modeling Streamflow Dominated by Snowmelt in an Ungauged Basin in Northwestern China. **2014**,		

56	Improving Streamflow Reconstructions Using Oceanic-Atmospheric Climate Variability. **2014**,		4
55	Investigation of the Linkages between Oceanic Atmospheric Variability and Continental U.S. Streamflow. **2014**,		1
54	Distributed Hydrological Modeling for a Snow Dominant Watershed Using a Precipitation and Runoff Modeling System. **2015**,		3
53	Insights into Reconstructing Sacramento River Flow Using Tree Rings and Pacific Ocean Climate Variability. **2015**,		4
52	Evaluating the Relationship between Western U.S. Streamflow and Pacific Ocean Climate Variability. **2015**,		
51	Spectral Analysis of Streamflow for Continental U.S.A.. **2015**,		
50	Spatial and Temporal Evaluation of Hydroclimatic Variables in the Colorado River Basin. **2015**,		
49	Interconnections between oceanic–atmospheric indices and variability in the U.S. streamflow. *Journal of Hydrology*, **2015**, 525, 724-736	6	58
48	Variation in soil nutrients in grasslands along the Kunes River in Xinjiang, China. *Chemistry and Ecology*, **2015**, 31, 111-122	2.3	10
47	Exploring Water Management Strategies in an Inland Arid Area Using Dynamic Simulation Model. **2015**,		
46	Long-Term Changes in the Continental United States Streamflow and Teleconnections with Oceanic-Atmospheric Indices. **2016**,		
45	Pacific Ocean SST and Z500 climate variability and western U.S. seasonal streamflow. *International Journal of Climatology*, **2016**, 36, 1515-1533	3.5	47
44	Impact of climate change on precipitation patterns: a comparative approach. *International Journal of Climatology*, **2016**, 36, 3588-3606	3.5	27
43	Analysis of Water Availability and Use for Solar Power Production in Nevada. **2016**,		3
42	Modeling Floodplain Inundation for Monument Creek, Colorado. **2016**,		3
41	Improvements to SIUE Engineering Campus Parking and Walkways along Campus Lake. **2016**,		
40	Study of Lehman Creek Watershed Hydrologic Response to Climate Change Using Downscaled CMIP5 Projections. **2016**,		1
39	Role of Low Impact Development in the Attenuation of Flood Flows in Urban Areas. **2016**,		4

38	Analyzing Long-Term Changes in Precipitation and Temperature in the Midwest United States. **2016**,		1
37	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. *Journal of Mountain Science*, **2016**, 13, 614-632	2.1	27
36	Analysis and trends of precipitation lapse rate and extreme indices over north Sikkim eastern Himalayas under CMIP5ESM-2M RCPs experiments. *Atmospheric Research*, **2016**, 167, 34-60	5.4	60
35	Precipitation and Indian Ocean Climate Variability A Case Study on Pakistan. **2017**,		0
34	Coupling HEC-RAS and HEC-HMS in Precipitation Runoff Modelling and Evaluating Flood Plain Inundation Map. **2017**,		23
33	Wavelet analyses of western US streamflow with ENSO and PDO. *Journal of Water and Climate Change*, **2017**, 8, 26-39	2.3	41
32	Flood Risk Assessment Using the Updated FEMA Floodplain Standard in the Ellicott City, Maryland, United States. **2017**,		4
31	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. *Journal of Mountain Science*, **2017**, 14, 1039-1057	2.1	32
30	Using Wavelet to Analyze Periodicities in Hydrologic Variables. **2017**,		3
29	Ice-Cover and Jamming Effects on Inline Structures and Upstream Water Levels. **2017**,		1
28	Multi-Scale Correlation Analyses between California Streamflow and ENSO/PDO. **2017**,		
27	Discrete wavelet transform-based investigation into the variability of standardized precipitation index in Northwest China during 1960–2014. *Theoretical and Applied Climatology*, **2018**, 132, 167-180	3	12
26	Effects of Soil Data Resolution on the Simulated Stream Flow and Water Quality: Application of Watershed-Based SWAT Model. **2018**,		2
25	Predictive Contributions of Snowmelt and Rainfall to Streamflow Variations in the Western United States. *Advances in Meteorology*, **2018**, 2018, 1-14	1.7	6
24	Stochastic Generation of Streamflow Time Series. *Journal of Hydrologic Engineering - ASCE*, **2018**, 23, 04018043	1.8	1
23	Generation of High Mountain Precipitation and Temperature Data for a Quantitative Assessment of Flow Regime in the Upper Yarkant Basin in the Karakoram. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 8462-8486	4.4	15
22	Spatial snow water equivalent estimation for mountainous areas using wireless-sensor networks and remote-sensing products. *Remote Sensing of Environment*, **2018**, 215, 44-56	13.2	14
21	A Comprehensive Analysis of the Changes in Precipitation Patterns over Beijing during 1960–2012. *Advances in Meteorology*, **2019**, 2019, 1-22	1.7	6

20	Precipitation Trends over the Indus Basin. *Climate*, **2019**, 7, 116	3.1	14
19	Evaluation of the Stationarity Assumption for Meteorological Drought Risk Estimation at the Multidecadal Scale in Contiguous United States. *Water Resources Research*, **2019**, 55, 5074	5.4	10
18	Methods for Analysis of Trends and Changes in Hydroclimatological Time-Series. **2019**, 1-89		5
17	Linkage between ENSO phases and western US snow water equivalent. *Atmospheric Research*, **2020** , 236, 104827	5.4	8
16	Improving daily precipitation estimates for the Qinghai-Tibetan plateau based on environmental similarity. *International Journal of Climatology*, **2020**, 40, 5368-5388	3.5	2
15	Comparative evaluation of spatio-temporal attributes of precipitation and streamflow in Buffalo and Tyume Catchments, Eastern Cape, South Africa. *Environment, Development and Sustainability*, **2021**, 23, 4236-4251	4.5	5
14	Optimisation Approach Toward Water Management and Energy Security in Arid/Semiarid Regions. *Environmental Processes*, 1	2.8	4
13	Interconnections between oceanic□tmospheric indices and variability in the U.S. streamflow. *Journal of Hydrology*, **2015**, 525, 724-736	6	48
12	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. **2016**, 13, 614		3
11	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. **2017**, 14, 1039		5
10	Spatio-Temporal Variation Analysis of Precipitation during 1960-2008 in the Poyang Lake Basin, China. *Open Journal of Modern Hydrology*, **2016**, 06, 115-127	0.7	5
9	Stochastic Time Series Methods. **2017**, 63-110		
8	Modeling streamflow sensitivity to climate warming and surface water inputs in a montane catchment. *Journal of Hydrology: Regional Studies*, **2022**, 39, 100976	3.6	0
7	Decadal trend analysis of rainfall patterns of past 115□years & its impact on Sikkim, India. *Remote Sensing Applications: Society and Environment*, **2022**, 26, 100738	2.8	0
6	Application of the HEC-HMS Model for Runoff Simulation of Big Muddy River, Illinois. **2022**,		
5	Forecasting green roof detention performance by temporal downscaling of precipitation time-series projections. *Hydrology and Earth System Sciences*, **2022**, 26, 2855-2874	5.5	1
4	Support Vector Machine Applications in Water and Environmental Sciences. *Studies in Computational Intelligence*, **2022**, 291-310	0.8	
3	Extended seasonal prediction of spring precipitation over the Upper Colorado River Basin.		

2	Simulation-based cost-risk analysis of phosphorus reduction alternatives: application to a mountainous watershed.	0
1	Trends of seasonal and annual rainfall of semi-arid districts of Karnataka, India: application of innovative trend analysis approach. **2023**, 152, 241-264	0