

EFFECTS OF CLIMATE CHANGE ON HYDROLOGY AND RIVER BASIN

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Long-range climate forecasting and its use for water management in the Pacific Northwest region of North America. Journal of Hydroinformatics, 2000, 2, 163-182.	1.1	27
4	Predicting the Discharge of Global Rivers. Journal of Climate, 2001, 14, 3307-3323.	1.2	439
5	Climate regimes and water temperature changes in the Columbia River: bioenergetic implications for predators of juvenile salmon. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 1831-1841.	0.7	88
6	Water Supply and Climate Change in the Upper Deschutes Basin, Oregon. Yearbook of the Association of Pacific Coast Geographers, 2001, 63, 77-96.	0.1	1
7	A Preliminary Analysis of the Impacts of Climate Change on the Reliability of the Seattle Water Supply. , 2001, , 1.		0
8	Hydrologic Sensitivity of Global Rivers to Climate Change. Climatic Change, 2001, 50, 143-175.	1.7	529
9	Economic Value of Long-Lead Streamflow Forecasts for Columbia River Hydropower. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 91-101.	1.3	236
10	Determination of changes in streamflow variance by means of a wavelet-based test. Water Resources Research, 2002, 38, 1-1-1-13.	1.7	17
11	Long-range experimental hydrologic forecasting for the eastern United States. Journal of Geophysical Research, 2002, 107, ACL 6-1.	3.3	772
12	Potential climate change impacts on flood producing mechanisms in southern British Columbia, Canada using the CGCM1 simulation results. Journal of Hydrology, 2002, 259, 163-188.	2.3	93
13	Climatic impacts on the runoff generation processes in British Columbia, Canada. Hydrology and Earth System Sciences, 2002, 6, 211-228.	1.9	29
14	Effect of snowpack removal on energy balance, melt and runoff in a small supraglacial catchment. Hydrological Processes, 2002, 16, 2721-2749.	1.1	95
15	Taking the Pulse of Mountains: Ecosystem Responses to Climatic Variability. Climatic Change, 2003, 59, 263-282.	1.7	62
16	Comparison of various precipitation downscaling methods for the simulation of streamflow in a rainshadow river basin. International Journal of Climatology, 2003, 23, 887-901.	1.5	125
17	Trends in snow water equivalent in the Pacific Northwest and their climatic causes. Geophysical Research Letters, 2003, 30, .	1.5	280
18	Climate warming could reduce runoff significantly in New England, USA. Agricultural and Forest Meteorology, 2003, 117, 193-201.	1.9	61
19	Climate and Water. Advances in Global Change Research, 2003, , .	1.6	16
20	Impact and Adaptation Responses of Okanagan River Sockeye Salmon (<i>Oncorhynchus nerka</i>) to Climate Variation and Change Effects During Freshwater Migration: Stock Restoration and Fisheries Management Implications. Canadian Water Resources Journal, 2003, 28, 689-713.	0.5	59

#	ARTICLE	IF	CITATIONS
21	Oceanographic Changes in Puget Sound and the Strait of Juan de Fuca during the 2000â€“01 Drought. Canadian Water Resources Journal, 2003, 28, 715-728.	0.5	12
22	Glacial Control of Water Resource and Related Environmental Responses to Climatic Warming: Empirical Analysis Using Historical Streamflow Data from Northwestern Canada. Canadian Water Resources Journal, 2003, 28, 69-86.	0.5	53
23	Twentieth-Century Fluctuations and Trends in Temperature, Precipitation, and Mountain Snowpack in the Georgia Basin-Puget Sound Region. Canadian Water Resources Journal, 2003, 28, 567-585.	0.5	23
24	Changes in Seasonal and Extreme Hydrologic Conditions of the Georgia Basin/Puget Sound in an Ensemble Regional Climate Simulation for the Mid-Century. Canadian Water Resources Journal, 2003, 28, 605-631.	0.5	8
25	The Role of Transboundary Agreements in the Columbia River Basin. Advances in Global Change Research, 2003, , 263-289.	1.6	8
26	Assessing the impact of climate variability and change on regional water resources: The implications for stakeholders. Water Resources Monograph, 2003, , 341-368.	1.0	7
27	The role of climate in water resources planning and management. Water Resources Monograph, 2003, , 247-266.	1.0	2
28	An assessment of the VIC-3L hydrological model for the Yangtze River basin based on remote sensing: a case study of the Baohe River basin. Canadian Journal of Remote Sensing, 2004, 30, 840-853.	1.1	30
29	HYDROLOGICAL AND GEOCHEMICAL TRENDS AND PATTERNS IN THE UPPER RIO GRANDE, 1975 TO 1999. Journal of the American Water Resources Association, 2004, 40, 111-127.	1.0	25
30	VARIATION IN THE RELATIONSHIP BETWEEN SNOWMELT RUNOFF IN OREGON AND ENSO AND PDO. Journal of the American Water Resources Association, 2004, 40, 1011-1024.	1.0	58
31	COLUMBIA RIVER FLOW AND DROUGHT SINCE 1750. Journal of the American Water Resources Association, 2004, 40, 1579-1592.	1.0	58
32	Climate Change Implications on Flood Response of a Mountainous Watershed. Water, Air and Soil Pollution, 2004, 4, 331-347.	0.8	13
33	Potential Implications of PCM Climate Change Scenarios for Sacramentoâ€“San Joaquin River Basin Hydrology and Water Resources. Climatic Change, 2004, 62, 257-281.	1.7	203
34	Mid-Century Ensemble Regional Climate Change Scenarios for the Western United States. Climatic Change, 2004, 62, 75-113.	1.7	332
35	Mitigating the Effects of Climate Change on the Water Resources of the Columbia River Basin. Climatic Change, 2004, 62, 233-256.	1.7	314
36	Factors regulating Shasta Lake (California) cold water accumulation, a resource for endangered salmon conservation. Water Resources Research, 2004, 40, .	1.7	10
38	A Recent Increase in Western U.S. Streamflow Variability and Persistence. Journal of Hydrometeorology, 2005, 6, 173-179.	0.7	85
39	Changes toward Earlier Streamflow Timing across Western North America. Journal of Climate, 2005, 18, 1136-1155.	1.2	1,057

#	ARTICLE	IF	CITATIONS
40	Estimation of Columbia River virgin flow: 1879 to 1928. <i>Hydrological Processes</i> , 2005, 19, 1807-1824.	1.1	43
41	Downscaling simulations of future global climate with application to hydrologic modelling. <i>International Journal of Climatology</i> , 2005, 25, 419-436.	1.5	125
42	DECLINING MOUNTAIN SNOWPACK IN WESTERN NORTH AMERICA*. <i>Bulletin of the American Meteorological Society</i> , 2005, 86, 39-50.	1.7	1,192
43	Will U.S. Agriculture Really Benefit from Global Warming? Accounting for Irrigation in the Hedonic Approach. <i>American Economic Review</i> , 2005, 95, 395-406.	4.0	416
44	Seasonal Cycle Shifts in Hydroclimatology over the Western United States. <i>Journal of Climate</i> , 2005, 18, 372-384.	1.2	408
45	Effects of Temperature and Precipitation Variability on Snowpack Trends in the Western United States*. <i>Journal of Climate</i> , 2005, 18, 4545-4561.	1.2	458
46	An enhanced temperature-index glacier melt model including the shortwave radiation balance: development and testing for Haut Glacier dâ€™Arolla, Switzerland. <i>Journal of Glaciology</i> , 2005, 51, 573-587.	1.1	321
47	Late-season mortality during migration of radio-tagged adult sockeye salmon (<i>Oncorhynchus nerka</i>) in the Columbia River. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 30-47.	0.7	101
48	Streamflow simulations of the terrestrial Arctic domain. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	93
49	Isotopic exchange between snow and atmospheric water vapor: Estimation of the snowmelt component of groundwater recharge in the southwestern United States. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	172
50	A multimodel ensemble forecast framework: Application to spring seasonal flows in the Gunnison River Basin. <i>Water Resources Research</i> , 2006, 42, .	1.7	101
51	On the assessment of the impact of reducing parameters and identification of parameter uncertainties for a hydrologic model with applications to ungauged basins. <i>Journal of Hydrology</i> , 2006, 320, 37-61.	2.3	66
52	Hydrologic response to scenarios of climate change in sub watersheds of the Okanagan basin, British Columbia. <i>Journal of Hydrology</i> , 2006, 326, 79-108.	2.3	161
53	Integrating Climate Impacts in Water Resource Planning and Management. , 2006, , 1.		7
54	Potential impacts of climate change on water availability for crops in the Okanagan Basin, British Columbia. <i>Canadian Journal of Soil Science</i> , 2006, 86, 921-936.	0.5	42
55	Future Trends: U.S. Army Corps of Engineers Flood and Coastal Research and Development for Cold Regions. , 2006, , 1.		0
56	Behavioral Thermoregulation and Slowed Migration by Adult Fall Chinook Salmon in Response to High Columbia River Water Temperatures. <i>Transactions of the American Fisheries Society</i> , 2006, 135, 408-419.	0.6	152
57	CLIMATE CHANGE AND WATERSHED PLANNING IN WASHINGTON STATE. <i>Journal of the American Water Resources Association</i> , 2006, 42, 915-926.	1.0	13

#	ARTICLE	IF	CITATIONS
58	CLIMATE CHHANGE SENSITIVITY ASSESSMENT ON UPPER MISSISSIPPI RIVER BASIN STREAMFLOWS USING SWAT. Journal of the American Water Resources Association, 2006, 42, 997-1015.	1.0	173
59	Climate impacts at multiple scales: evidence for differential population responses in juvenile Chinook salmon. Journal of Animal Ecology, 2006, 75, 1100-1109.	1.3	100
60	Learning with Local Help: Expanding the Dialogue on Climate Change and Water Management in the Okanagan Region, British Columbia, Canada. Climatic Change, 2006, 75, 331-358.	1.7	69
61	Climate Variability, Water Resources, and Hydrologic Extremes - Modeling the Water and Energy Budgets. , 2006, , 291-306.		7
62	Climate-Driven Variability and Trends in Mountain Snowpack in Western North America*. Journal of Climate, 2006, 19, 6209-6220.	1.2	360
63	Analysis of the Impact of Snow on Daily Weather Variability in Mountainous Regions Using MM5. Journal of Hydrometeorology, 2007, 8, 245-258.	0.7	36
64	Mapping the environmental limitations to growth of coastal Douglas-fir stands on Vancouver Island, British Columbia. Tree Physiology, 2007, 27, 805-815.	1.4	28
65	Glacier mass-balance fluctuations in the Pacific Northwest and Alaska, USA. Annals of Glaciology, 2007, 46, 291-296.	2.8	41
66	Hydrological sensitivity of the Adourâ€Garonne river basin to climate change. Water Resources Research, 2007, 43, .	1.7	67
67	Signatures of largeâ€scale soil moisture dynamics on streamflow statistics across U.S. climate regimes. Water Resources Research, 2007, 43, .	1.7	62
68	Twentieth-Century Trends in Runoff, Evapotranspiration, and Soil Moisture in the Western United States*. Journal of Climate, 2007, 20, 1468-1486.	1.2	212
69	A multimodel ensemble approach to assessment of climate change impacts on the hydrology and water resources of the Colorado River Basin. Hydrology and Earth System Sciences, 2007, 11, 1417-1434.	1.9	435
70	Multidecadal Climate Variability and Drought in the United States. Geography Compass, 2007, 1, 713-738.	1.5	13
71	Water Availability, Degree Days, and the Potential Impact of Climate Change on Irrigated Agriculture in California. Climatic Change, 2007, 81, 19-38.	1.7	145
72	Uncertainty in hydrologic impacts of climate change in the Sierra Nevada, California, under two emissions scenarios. Climatic Change, 2007, 82, 309-325.	1.7	338
73	On interpreting hydrological change from regional climate models. Climatic Change, 2007, 81, 97-122.	1.7	228
74	Impact of climate change on Pacific Northwest hydropower. Climatic Change, 2008, 87, 451-469.	1.7	90
75	Sustainable reservoir operation: can we generate hydropower and preserve ecosystem values?. River Research and Applications, 2008, 24, 340-352.	0.7	209

#	ARTICLE	IF	CITATIONS
76	Evaluation of snow models in terrestrial biosphere models using ground observation and satellite data: impact on terrestrial ecosystem processes. <i>Hydrological Processes</i> , 2008, 22, 347-355.	1.1	13
77	Effect of Snow Cover Conditions on the Hydrologic Regime: Case Study in a Pluvial Nival Watershed, Japan. <i>Journal of the American Water Resources Association</i> , 2008, 44, 814-828.	1.0	8
78	Predicting differential effects of climate change at the population level with life cycle models of spring Chinook salmon. <i>Global Change Biology</i> , 2008, 14, 236-249.	4.2	108
79	Water availability and successful lactation by bats as related to climate change in arid regions of western North America. <i>Journal of Animal Ecology</i> , 2008, 77, 1115-1121.	1.3	153
80	Integration of the variable infiltration capacity model soil hydrology scheme into the community land model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21
81	Projections of Future Anthropogenic Climate Change. , 2008, , 133-219.		8
82	Snow depth and streamflow relationships in large North American watersheds. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
83	Overwintering Distribution, Behavior, and Survival of Adult Summer Steelhead: Variability among Columbia River Populations. <i>North American Journal of Fisheries Management</i> , 2008, 28, 81-96.	0.5	30
84	Catchment-Scale Hydrological Response to Climate-Land-Use Combined Scenarios: A Case Study for the Kishwaukee River Basin, Illinois. <i>Physical Geography</i> , 2008, 29, 79-99.	0.6	35
85	Behavioral thermoregulation and associated mortality trade-offs in migrating adult steelhead (<i>Oncorhynchus mykiss</i>): variability among sympatric populations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1734-1747.	0.7	71
86	Comparison of the annual minimum flow and the deficit below threshold approaches: case study for the province of New Brunswick, Canada. <i>Canadian Journal of Civil Engineering</i> , 2009, 36, 1421-1434.	0.7	5
87	Global and Continental Drought in the Second Half of the Twentieth Century: Severity Area Duration Analysis and Temporal Variability of Large-Scale Events. <i>Journal of Climate</i> , 2009, 22, 1962-1981.	1.2	331
88	Optimized Flood Control in the Columbia River Basin for a Global Warming Scenario. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009, 135, 440-450.	1.3	62
89	A Physically Based Daily Hydrometeorological Model for Complex Mountain Terrain. <i>Journal of Hydrometeorology</i> , 2009, 10, 1430-1446.	0.7	18
90	Structure and Detectability of Trends in Hydrological Measures over the Western United States. <i>Journal of Hydrometeorology</i> , 2009, 10, 871-892.	0.7	51
91	Correlation of precipitation to temperature variation in the Huanghe River (Yellow River) basin during 1957-2006. <i>Journal of Hydrology</i> , 2009, 372, 1-8.	2.3	73
92	Long-term Hydrological Forecasting in Cold Regions: Retrospect, Current Status and Prospect. <i>Geography Compass</i> , 2009, 3, 1841-1864.	1.5	17
93	Spatial Analysis of Water Use in Oregon, USA, 1985-2005. <i>Water Resources Management</i> , 2009, 23, 755-774.	1.9	53

#	ARTICLE	IF	CITATIONS
94	Fish Use of Intermittent Watercourses Draining Agricultural Lands in the Upper Willamette River Valley, Oregon. Transactions of the American Fisheries Society, 2009, 138, 1302-1313.	0.6	27
95	Detection and Attribution of Streamflow Timing Changes to Climate Change in the Western United States. Journal of Climate, 2009, 22, 3838-3855.	1.2	260
96	Satellite-based near-real-time estimation of irrigated crop water consumption. Journal of Geophysical Research, 2009, 114, .	3.3	89
97	Assessing reservoir operations risk under climate change. Water Resources Research, 2009, 45, .	1.7	149
98	A semi-Lagrangian water temperature model for advection-dominated river systems. Water Resources Research, 2009, 45, .	1.7	109
99	Long-term variability in Northern Hemisphere snow cover and associations with warmer winters. Climatic Change, 2010, 99, 141-153.	1.7	119
100	An assessment of the current and future thermal regimes of three streams located in the Wenatchee River basin, Washington State: some implications for regional river basin systems. Climatic Change, 2010, 102, 493-520.	1.7	36
101	Assessing regional impacts and adaptation strategies for climate change: the Washington Climate Change Impacts Assessment. Climatic Change, 2010, 102, 9-27.	1.7	21
102	Implications of 21st century climate change for the hydrology of Washington State. Climatic Change, 2010, 102, 225-260.	1.7	379
103	Effects of projected climate change on energy supply and demand in the Pacific Northwest and Washington State. Climatic Change, 2010, 102, 103-128.	1.7	121
104	Integrated Reservoir Management System for Adaptation to Climate Change: The Nakdong River Basin in Korea. Water Resources Management, 2010, 24, 3397-3417.	1.9	70
105	Comparison of three downscaling methods in simulating the impact of climate change on the hydrology of Mediterranean basins. Journal of Hydrology, 2010, 383, 111-124.	2.3	157
106	Hydro-climatic variability and trends in Washington State for the last 50 years. Hydrological Processes, 2010, 24, 866-878.	1.1	27
107	Climate change and future flows of Rocky Mountain rivers: converging forecasts from empirical trend projection and down-scaled global circulation modelling. Hydrological Processes, 2010, 24, 3864-3877.	1.1	41
108	Climatic Study of Precipitation and Temperature Distribution Over the Alps and the Italian Peninsula, Using the High-Resolution Regional Climate Model COSMO-CLM. SSRN Electronic Journal, 0, .	0.4	0
109	Basin-Scale Water Resources Assessment in Oklahoma under Synthetic Climate Change Scenarios Using a Fully Distributed Hydrologic Model. Journal of Hydrologic Engineering - ASCE, 2010, 15, 107-122.	0.8	53
110	Climate Change and Water Resources in India: Impact Assessment and Adaptation Strategies. , 2010, , 386-412.		3
111	Mandates vs markets: addressing over-allocation of Pacific Northwest River Basins. Water Policy, 2010, 12, 305-317.	0.7	6

#	ARTICLE	IF	CITATIONS
112	The Sensitivity of Mountain Snowpack Accumulation to Climate Warming. <i>Journal of Climate</i> , 2010, 23, 2634-2650.	1.2	44
113	Long Range Streamflow Forecasting Based on Hydrologic and Climatic Data. , 2010, , .		0
114	A multisite seasonal ensemble streamflow forecasting technique. <i>Water Resources Research</i> , 2010, 46, .	1.7	33
115	Climate signal propagation in southern California aquifers. <i>Water Resources Research</i> , 2010, 46, .	1.7	29
116	The influence of large dams on surrounding climate and precipitation patterns. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	133
117	Relating climatic attributes and water resources allocation: A study using surface water supply and soil moisture indices in the Snake River basin, Idaho. <i>Water Resources Research</i> , 2011, 47, .	1.7	29
118	Estimates of future flow, including extremes, of the Columbia River headwaters. <i>Water Resources Research</i> , 2011, 47, .	1.7	45
119	Climate change impacts on snow water availability in the Euphrates-Tigris basin. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2789-2803.	1.9	31
120	Climate Change Impacts: An Assessment for Water Resources Planning and Management in the Pacific Northwest of the U.S. , 2011, , .		0
121	Assessing water resources adaptive capacity to climate change impacts in the Pacific Northwest Region of North America. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 1427-1443.	1.9	61
122	Climate Change Response of Three Physically Based Hydrology Models in the Connecticut River Watershed. , 2011, , .		0
123	Modelling the future hydroclimatology of the lower Fraser River and its impacts on the spawning migration survival of sockeye salmon. <i>Global Change Biology</i> , 2011, 17, 87-98.	4.2	53
124	Methodology for Developing Flood Rule Curves Conditioned on El Niño-Southern Oscillation Classification1. <i>Journal of the American Water Resources Association</i> , 2011, 47, 81-92.	1.0	5
125	Uncertainty of downscaling method in quantifying the impact of climate change on hydrology. <i>Journal of Hydrology</i> , 2011, 401, 190-202.	2.3	546
126	Distinguishing human and climate influences on the Columbia River: Changes in mean flow and sediment transport. <i>Journal of Hydrology</i> , 2011, 404, 259-277.	2.3	106
127	Simulating the hydrological response to predicted climate change on a watershed in southern Alberta, Canada. <i>Climatic Change</i> , 2011, 105, 555-576.	1.7	49
128	Sensitivity of juvenile salmonid growth to future climate trends. <i>River Research and Applications</i> , 2011, 27, 663-669.	0.7	37
129	Human and climate impacts on Columbia River hydrology and salmonids. <i>River Research and Applications</i> , 2011, 27, 1270-1276.	0.7	25

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130	First passage time statistics of Brownian motion with purely time dependent drift and diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1841-1852.	1.2	109
131	Engineering Procedure for the Climate Change Flood Risk Assessment in the Upper Thames River Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 608-612.	0.8	19
132	Long-Range Forecasting of Colorado Streamflows Based on Hydrologic, Atmospheric, and Oceanic Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 508-520.	0.8	17
133	Daily Time-Step Refinement of Optimized Flood Control Rule Curves for a Global Warming Scenario. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011, 137, 309-317.	1.3	12
134	Generalizing plant-water relations to landscapes. <i>Journal of Plant Ecology</i> , 2011, 4, 101-113.	1.2	33
135	Changes in Spring Snowpack for Selected Basins in the United States for Different Climate-Change Scenarios. <i>Earth Interactions</i> , 2011, 15, 1-18.	0.7	18
136	Assessing the Potential Impacts of Climate Change on Mountain Snowpack in the St. Mary River Watershed, Montana. <i>Journal of Hydrometeorology</i> , 2011, 12, 262-273.	0.7	25
137	Mesoscale Controls on the Mountainside Snow Line. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 2107-2127.	0.6	90
138	Impact of Climate Change on Water Resources in Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2011, 22, 507.	0.3	8
139	Statistical Comparisons of Watershed-Scale Response to Climate Change in Selected Basins across the United States. <i>Earth Interactions</i> , 2011, 15, 1-26.	0.7	36
140	Distinguishing human and climate influences on hydrological disturbance processes in the Columbia River, USA. <i>Hydrological Sciences Journal</i> , 2011, 56, 1186-1209.	1.2	27
141	Projected Changes to Streamflow Characteristics over Western Canada as Simulated by the Canadian RCM. <i>Journal of Hydrometeorology</i> , 2011, 12, 1395-1413.	0.7	34
142	Uncertainties in Hydrologic and Climate Change Impact Analyses in Headwater Basins of British Columbia. <i>Journal of Climate</i> , 2012, 25, 5711-5730.	1.2	84
143	A Stochastic Conceptual Modeling Approach for Examining the Effects of Climate Change on Streamflows in Mountain Basins. <i>Journal of Hydrometeorology</i> , 2012, 13, 837-855.	0.7	9
144	Circulation of the Mediterranean Sea and its Variability. , 2012, , 187-256.		54
146	Projected climate change impacts on the hydrology and temperature of Pacific Northwest rivers. <i>Water Resources Research</i> , 2012, 48, .	1.7	81
147	Hydrologic response of a Hawaiian watershed to future climate change scenarios. <i>Hydrological Processes</i> , 2012, 26, 2745-2764.	1.1	57
148	Modelling the Potential Impacts of Climate Change on Snowpack in the North Saskatchewan River Watershed, Alberta. <i>Water Resources Management</i> , 2012, 26, 3053-3076.	1.9	23

#	ARTICLE	IF	CITATIONS
149	Calibration of watershed models using cloud computing. , 2012, , .		14
150	Migration Strategies of Adult Chinook Salmon Runs in Response to Diverse Environmental Conditions in the Klamath River Basin. Transactions of the American Fisheries Society, 2012, 141, 1622-1636.	0.6	26
151	Climate Feedbackâ€‘Based Provisions for Dam Design, Operations, and Water Management in the 21st Century. Journal of Hydrologic Engineering - ASCE, 2012, 17, 837-850.	0.8	53
152	Hydrological projections of climate change scenarios over the 3H region of China: A VIC model assessment. Journal of Geophysical Research, 2012, 117, .	3.3	29
153	Paleoreconstruction of cool season precipitation and warm season streamflow in the Pacific Northwest with applications to climate change assessments. Water Resources Research, 2012, 48, .	1.7	21
154	Toward a statistical framework to quantify the uncertainties of hydrologic response under climate change. Water Resources Research, 2012, 48, .	1.7	49
155	Dynamic reservoir management with realâ€‘option risk hedging as a robust adaptation to nonstationary climate. Water Resources Research, 2012, 48, .	1.7	60
156	Role of surfaceâ€‘water and groundwater interactions on projected summertime streamflow in snow dominated regions: An integrated modeling approach. Water Resources Research, 2012, 48, .	1.7	143
157	Selection of hydrologic modeling approaches for climate change assessment: A comparison of model scale and structures. Journal of Hydrology, 2012, 464-465, 233-248.	2.3	62
158	Washington State, USA. , 2012, , 115-125.		2
159	Glacier fragmentation effects on surface energy balance and runoff: field measurements and distributed modelling. Hydrological Processes, 2012, 26, 1861-1875.	1.1	29
160	Impacts of climate change on August stream discharge in the Central-Rocky Mountains. Climatic Change, 2012, 112, 997-1014.	1.7	75
161	Geoinformatics for assessing the morphometric control on hydrological response at watershed scale in the Upper Indus Basin. Journal of Earth System Science, 2012, 121, 659-686.	0.6	123
162	Impacts of Climate Change on Hydrology and Water Resources in the Boise and Spokane River Basins¹. Journal of the American Water Resources Association, 2012, 48, 197-220.	1.0	37
163	Strategic planning for instream flow restoration: a case study of potential climate change impacts in the central Columbia River basin. Global Change Biology, 2012, 18, 3071-3086.	4.2	13
164	Projection of glacier runoff in Yarkant River basin and Beida River basin, Western China. Hydrological Processes, 2012, 26, 2773-2781.	1.1	21
165	A Methodology for Evaluating and Ranking Water Quantity Indicators in Support of Ecosystem-Based Management. Environmental Management, 2012, 49, 703-719.	1.2	24
166	Response of non-point source pollutant loads to climate change in the Shitoukoumen reservoir catchment. Environmental Monitoring and Assessment, 2012, 184, 581-594.	1.3	30

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167	RESTORING SALMON HABITAT FOR A CHANGING CLIMATE. <i>River Research and Applications</i> , 2013, 29, 939-960.	0.7	165
168	A Physically Based Runoff Routing Model for Land Surface and Earth System Models. <i>Journal of Hydrometeorology</i> , 2013, 14, 808-828.	0.7	187
169	Increasing streamflow forecast lead time for snowmelt-driven catchment based on large-scale climate patterns. <i>Advances in Water Resources</i> , 2013, 53, 150-162.	1.7	96
170	Hydrological climate change projections for Central America. <i>Journal of Hydrology</i> , 2013, 495, 94-112.	2.3	108
171	Evaluating the Impact of Alternative Hydro-Climate Scenarios on Transfer Agreements: Practical Improvement for Generating Synthetic Streamflows. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2013, 139, 396-406.	1.3	50
172	Using climate impacts indicators to evaluate climate model ensembles: temperature suitability of premium winegrape cultivation in the United States. <i>Climate Dynamics</i> , 2013, 40, 709-729.	1.7	21
173	Hydrological modelling of the Iberian Wetlands in southeastern South America. <i>Journal of Hydrology</i> , 2013, 503, 47-54.	2.3	8
174	Spatial and Temporal Change in the Hydro-Climatology of the Canadian Portion of the Columbia River Basin under Multiple Emissions Scenarios. <i>Atmosphere - Ocean</i> , 2013, 51, 357-379.	0.6	24
175	Interactive Effects of Water Diversion and Climate Change for Juvenile Chinook Salmon in the Lemhi River Basin (U.S.A.). <i>Conservation Biology</i> , 2013, 27, 1179-1189.	2.4	25
176	Impacts of increased CO ₂ on the hydrologic response over the Xijiang (West River) basin, South China. <i>Journal of Hydrology</i> , 2013, 505, 218-227.	2.3	23
177	Local landscape predictors of maximum stream temperature and thermal sensitivity in the Columbia River Basin, USA. <i>Science of the Total Environment</i> , 2013, 461-462, 587-600.	3.9	67
178	Impact of warming climate on water management for the Ariège River basin (France). <i>Hydrological Sciences Journal</i> , 2013, 58, 976-993.	1.2	25
179	The effect of climate change on glacier ablation and baseflow support in the Nooksack River basin and implications on Pacific salmonid species protection and recovery. <i>Climatic Change</i> , 2013, 120, 657-670.	1.7	30
180	Climate and Streamflow Trends in the Columbia River Basin: Evidence for Ecological and Engineering Resilience to Climate Change. <i>Atmosphere - Ocean</i> , 2013, 51, 436-455.	0.6	24
181	Near-term acceleration of hydroclimatic change in the western U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,676.	1.2	86
182	Producing Daily and Embedded Hourly Rainfall Data Using a Novel Weather Generator. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 437.	0.3	0
183	Intercomparison of Meteorological Forcing Data from Empirical and Mesoscale Model Sources in the North Fork American River Basin in Northern Sierra Nevada, California*. <i>Journal of Hydrometeorology</i> , 2013, 14, 677-699.	0.7	31
184	Impacts of Land-Use and Climate Changes on Hydrologic Processes in the Qingyi River Watershed, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1495-1512.	0.8	48

#	ARTICLE	IF	CITATIONS
185	Climate Change in the Northwest. , 2013, , .		46
186	Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1031-1040.	0.8	65
187	An Overview of the Columbia Basin Climate Change Scenarios Project: Approach, Methods, and Summary of Key Results. Atmosphere - Ocean, 2013, 51, 392-415.	0.6	124
188	A Method to Consider Whether Dams Mitigate Climate Change Effects on Stream Temperatures. Journal of the American Water Resources Association, 2013, 49, 1456-1472.	1.0	87
189	Glacier Meltwater Contributions and Glaciometeorological Regime of the Illecillewaet River Basin, British Columbia, Canada. Atmosphere - Ocean, 2013, 51, 416-435.	0.6	20
190	A System Dynamics Model for Conjunctive Management of Water Resources in the <scp>S</scp>nake <scp>R</scp>iver <scp>B</scp>asin. Journal of the American Water Resources Association, 2013, 49, 1327-1350.	1.0	34
191	Hydrological projections of fluvial floods in the Uruguay and ParanÃ¡ basins under different climate change scenarios. International Journal of River Basin Management, 2013, 11, 389-399.	1.5	16
192	Characterizing the water extremes of the new century in the US South-west: a comprehensive assessment from state-of-the-art climate model projections. International Journal of Water Resources Development, 2013, 29, 152-171.	1.2	13
193	Analysis of runoff extremes using spatial hierarchical Bayesian modeling. Water Resources Research, 2013, 49, 6656-6670.	1.7	39
194	Impacts of climate and catastrophic forest changes on streamflow and water balance in a mountainous headwater stream in Southern Alberta. Hydrology and Earth System Sciences, 2013, 17, 4941-4956.	1.9	21
195	Future humidity trends over the western United States in the CMIP5 global climate models and variable infiltration capacity hydrological modeling system. Hydrology and Earth System Sciences, 2013, 17, 1833-1850.	1.9	41
196	Parameterizing sub-surface drainage with geology to improve modeling streamflow responses to climate in data limited environments. Hydrology and Earth System Sciences, 2013, 17, 341-354.	1.9	31
197	A large-scale, high-resolution hydrological model parameter data set for climate change impact assessment for the conterminous US. Hydrology and Earth System Sciences, 2014, 18, 67-84.	1.9	94
198	Role of extreme snowfall events in interannual variability of snowfall accumulation in the western United States. Water Resources Research, 2014, 50, 2874-2888.	1.7	47
199	A hydrogeologic framework for characterizing summer streamflow sensitivity to climate warming in the Pacific Northwest, USA. Hydrology and Earth System Sciences, 2014, 18, 3693-3710.	1.9	25
200	Soil Moisture Initialization Error and Subgrid Variability of Precipitation in Seasonal Streamflow Forecasting. Journal of Hydrometeorology, 2014, 15, 69-88.	0.7	15
201	Linking climate change projections for an Alaskan watershed to future coho salmon production. Global Change Biology, 2014, 20, 1808-1820.	4.2	25
202	Instream Restoration to Improve the Ecohydrologic Function of a Subalpine Meadow: Preâ€”implementation Modeling with HECâ€”RAS. Journal of the American Water Resources Association, 2014, 50, 1033-1050.	1.0	5

#	ARTICLE	IF	CITATIONS
203	Assessment of Subyearling Chinook Salmon Survival through the Federal Hydropower Projects in the Mainstem Columbia River. North American Journal of Fisheries Management, 2014, 34, 741-752.	0.5	17
204	Impacts of 21st-Century Climate Change on Hydrologic Extremes in the Pacific Northwest Region of North America. Journal of the American Water Resources Association, 2014, 50, 1461-1476.	1.0	124
205	Paleoclimate Scenarios to Inform Decision Making in Water Resource Management: Example from Southern California's Inland Empire. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	20
207	How to construct future IDF curves, under changing climate, for sites with scarce rainfall records?. Hydrological Processes, 2014, 28, 3276-3287.	1.1	34
208	Estimates of Twenty-First-Century Flood Risk in the Pacific Northwest Based on Regional Climate Model Simulations. Journal of Hydrometeorology, 2014, 15, 1881-1899.	0.7	79
209	Modeling the effects of climate change projections on streamflow in the Nooksack River basin, Northwest Washington. Hydrological Processes, 2014, 28, 5236-5250.	1.1	41
210	CropSyst model evolution: From field to regional to global scales and from research to decision support systems. Environmental Modelling and Software, 2014, 62, 361-369.	1.9	61
211	An analysis of trends in baseflow recession and low-flows in rain-dominated coastal streams of the pacific coast. Journal of Hydrology, 2014, 519, 599-610.	2.3	38
212	Assessment of future water resources and water scarcity considering the factors of climate change and social-environmental change in Han River basin, Korea. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1999-2014.	1.9	32
213	Stochastic Method for Examining Vulnerability of Hydropower Generation and Reservoir Operations to Climate Change: Case Study of the Dworshak Reservoir in Idaho. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	10
214	The impact of temperature stress and pesticide exposure on mortality and disease susceptibility of endangered Pacific salmon. Chemosphere, 2014, 108, 353-359.	4.2	30
215	Impacts of climate change in three hydrologic regimes in British Columbia, Canada. Hydrological Processes, 2014, 28, 1170-1189.	1.1	79
216	How does spatial variability of climate affect catchment streamflow predictions?. Journal of Hydrology, 2014, 517, 135-145.	2.3	14
217	Design and Implementation of Kepler Workflows for BioEarth. Procedia Computer Science, 2014, 29, 1722-1732.	1.2	5
218	Forcing Hydrologic Models with GCM Output: Bias Correction vs. the "Delta Change" Method. , 2014, , .		5
219	Insights into the physical processes controlling correlations between snow distribution and terrain properties. Water Resources Research, 2014, 50, 4545-4563.	1.7	37
220	Modelling daily streamflow at ungauged catchments: what information is necessary?. Hydrological Processes, 2014, 28, 1159-1169.	1.1	39
221	Modelling how vegetation cover affects climate change impacts on streamflow timing and magnitude in the snowmelt-dominated upper Tuolumne Basin, Sierra Nevada. Hydrological Processes, 2014, 28, 3896-3918.	1.1	52

#	ARTICLE	IF	CITATIONS
222	Four-dimensional electrical conductivity monitoring of stage-driven river water intrusion: Accounting for water table effects using a transient mesh boundary and conditional inversion constraints. <i>Water Resources Research</i> , 2015, 51, 6177-6196.	1.7	33
223	Development and evaluation of a physically-based lake level model for water resource management: A case study for Lake Buchanan, Texas. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 661-674.	1.0	9
224	An In-Depth Evaluation of Heritage Algorithms for Snow Cover and Snow Depth Using AMSR-E and AMSR2 Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 2319-2336.	0.5	13
225	The effects of climate model similarity on probabilistic climate projections and the implications for local, risk-based adaptation planning. <i>Geophysical Research Letters</i> , 2015, 42, 5014-5044.	1.5	65
226	The Impacts of Wind Speed Trends and 30-Year Variability in Relation to Hydroelectric Reservoir Inflows on Wind Power in the Pacific Northwest. <i>PLoS ONE</i> , 2015, 10, e0135730.	1.1	6
227	Multi-model climate impact assessment and intercomparison for three large-scale river basins on three continents. <i>Earth System Dynamics</i> , 2015, 6, 17-43.	2.7	116
228	A New Way for Incorporating GCM Information into Water Shortage Projections. <i>Water (Switzerland)</i> , 2015, 7, 2435-2450.	1.2	5
229	Isolating the impacts of land use and climate change on streamflow. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3633-3651.	1.9	120
230	Projected changes in snowfall extremes and interannual variability of snowfall in the western United States. <i>Water Resources Research</i> , 2015, 51, 960-972.	1.7	86
231	Projecting changes in annual hydropower generation using regional runoff data: An assessment of the United States federal hydropower plants. <i>Energy</i> , 2015, 80, 239-250.	4.5	82
232	Seasonal hydrologic responses to climate change in the Pacific Northwest. <i>Water Resources Research</i> , 2015, 51, 1959-1976.	1.7	91
233	Projected changes in mean and interannual variability of surface water over continental China. <i>Science China Earth Sciences</i> , 2015, 58, 739-754.	2.3	25
234	Predicting alpine headwater stream intermittency: a case study in the northern Rocky Mountains. <i>Ecohydrology and Hydrobiology</i> , 2015, 15, 68-80.	1.0	26
235	Effect of irrigation in simulating long-term evapotranspiration climatology in a human-dominated river basin system. <i>Agricultural and Forest Meteorology</i> , 2015, 200, 109-118.	1.9	37
236	The influence of climate change and anthropogenic activities on annual runoff of Huangfuchuan basin in northwest China. <i>Theoretical and Applied Climatology</i> , 2015, 120, 137-146.	1.3	25
237	BioEarth: Envisioning and developing a new regional earth system model to inform natural and agricultural resource management. <i>Climatic Change</i> , 2015, 129, 555-571.	1.7	29
238	Climate Change Impacts on the Hydrological Processes of a Small Agricultural Watershed. <i>Climate</i> , 2016, 4, 56.	1.2	29
239	Combined Effects of Projected Sea Level Rise, Storm Surge, and Peak River Flows on Water Levels in the Skagit Floodplain. <i>Northwest Science</i> , 2016, 90, 57-78.	0.1	16

#	ARTICLE	IF	CITATIONS
240	Irrigation water requirements for seed corn and coffee under potential climate change scenarios. <i>Journal of Water and Climate Change</i> , 2016, 7, 39-51.	1.2	21
241	Seasonal climate signals from multiple tree ring metrics: A case study of <i>Pinus ponderosa</i> in the upper Columbia River Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1178-1189.	1.3	38
242	Assessing differences in snowmelt-dependent hydrologic projections using CMIP3 and CMIP5 climate forcing data for the western United States. <i>Hydrology Research</i> , 2016, 47, 483-500.	1.1	25
243	Impact and Adaptation Strategies in Response to Climate Change on Taiwan's Water Resources. <i>Applied Mechanics and Materials</i> , 2016, 858, 335-341.	0.2	6
244	Status of White Sturgeon (<i>Acipenser transmontanus</i> Richardson, 1863) throughout the species range, threats to survival, and prognosis for the future. <i>Journal of Applied Ichthyology</i> , 2016, 32, 261-312.	0.3	58
245	Characterizing Uncertainty of the Hydrologic Impacts of Climate Change. <i>Current Climate Change Reports</i> , 2016, 2, 55-64.	2.8	159
246	Drought in the Pacific Northwest, 1920–2013. <i>Journal of Hydrometeorology</i> , 2016, 17, 2391-2404.	0.7	17
247	The effects of climate downscaling technique and observational data set on modeled ecological responses. <i>Ecological Applications</i> , 2016, 26, 1321-1337.	1.8	39
248	Distributed Hydrologic Modeling Using GIS. <i>Water Science and Technology Library</i> , 2016, , .	0.2	47
249	Case Studies in Distributed Hydrology. <i>Water Science and Technology Library</i> , 2016, , 211-234.	0.2	0
250	Understanding satellite-based monthly-to-seasonal reservoir outflow estimation as a function of hydrologic controls. <i>Water Resources Research</i> , 2016, 52, 4095-4115.	1.7	34
251	Regional hydrologic response to climate change in the conterminous United States using high-resolution hydroclimate simulations. <i>Global and Planetary Change</i> , 2016, 143, 100-117.	1.6	92
252	Integrating a reservoir regulation scheme into a spatially distributed hydrological model. <i>Advances in Water Resources</i> , 2016, 98, 16-31.	1.7	94
253	Hydrological Modeling and Characterization of the Khanpur Watershed, Pakistan. <i>Journal - American Water Works Association</i> , 2016, 108, E262-E268.	0.2	4
254	Impacts of Climate Change on Regulated Streamflow, Hydrologic Extremes, Hydropower Production, and Sediment Discharge in the Skagit River Basin. <i>Northwest Science</i> , 2016, 90, 23-43.	0.1	30
255	Extended T-index models for glacier surface melting: a case study from Chorabari Glacier, Central Himalaya, India. <i>Theoretical and Applied Climatology</i> , 2016, 126, 401-410.	1.3	3
256	Detection of Change in Flood Return Levels under Global Warming. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	19
257	Co-evolution of hydrological components under climate change scenarios in the Mediterranean area. <i>Science of the Total Environment</i> , 2016, 544, 515-524.	3.9	26

#	ARTICLE	IF	CITATIONS
258	The effects of climate change and extreme wildfire events on runoff erosion over a mountain watershed. <i>Journal of Hydrology</i> , 2016, 536, 74-91.	2.3	35
259	Comparison of future intensity duration frequency curve by considering the impact of climate change: case study for Kuching city. <i>International Journal of River Basin Management</i> , 2016, 14, 47-55.	1.5	14
260	Hydrological response to future climate changes for the major upstream river basins in the Tibetan Plateau. <i>Global and Planetary Change</i> , 2016, 136, 82-95.	1.6	188
261	Are General Circulation Models Ready for Operational Streamflow Forecasting for Water Management in the Ganges and Brahmaputra River Basins?. <i>Journal of Hydrometeorology</i> , 2016, 17, 195-210.	0.7	14
262	A probabilistic drought forecasting framework: A combined dynamical and statistical approach. <i>Journal of Hydrology</i> , 2017, 548, 291-304.	2.3	63
263	Hydrological Simulation of a Large Catchment Using the Variable Infiltration Capacity Model. <i>Water Science and Technology Library</i> , 2017, , 19-30.	0.2	3
264	Evaluating species-specific changes in hydrologic regimes: an iterative approach for salmonids in the Greater Yellowstone Area (USA). <i>Reviews in Fish Biology and Fisheries</i> , 2017, 27, 425-441.	2.4	14
265	Twenty-First-Century Climate in CMIP5 Simulations: Implications for Snow and Water Yield across the Contiguous United States. <i>Journal of Hydrometeorology</i> , 2017, 18, 2079-2099.	0.7	13
266	Snow disappearance timing is dominated by forest effects on snow accumulation in warm winter climates of the Pacific Northwest, United States. <i>Hydrological Processes</i> , 2017, 31, 1846-1862.	1.1	62
267	Intercomparison of climate change impacts in 12 large river basins: overview of methods and summary of results. <i>Climatic Change</i> , 2017, 141, 363-379.	1.7	68
268	Impacts and implications of temperature variability on Chinook Salmon egg development and emergence phenology. <i>Transactions of the American Fisheries Society</i> , 2017, , .	0.6	0
269	Reconstructed storm tracks reveal three centuries of changing moisture delivery to North America. <i>Science Advances</i> , 2017, 3, e1602263.	4.7	23
270	How Might Recharge Change Under Projected Climate Change in the Western U.S.?. <i>Geophysical Research Letters</i> , 2017, 44, 10407-10418.	1.5	38
271	Assessing Climate Change Impacts on Water Supply Reliability for Santa Clara County, California. , 2017, , .		0
272	Long-Term Assessment of Climate Change Impacts on Tennessee Valley Authority Reservoir Operations: Norris Dam. <i>Water (Switzerland)</i> , 2017, 9, 649.	1.2	8
273	Coupling a three-dimensional subsurface flow and transport model with a land surface model to simulate stream-aquifer-land interactions (CPv1.0). <i>Geoscientific Model Development</i> , 2017, 10, 4539-4562.	1.3	25
274	VIC-CropSyst-v2: A regional-scale modeling platform to simulate the nexus of climate, hydrology, cropping systems, and human decisions. <i>Geoscientific Model Development</i> , 2017, 10, 3059-3084.	1.3	26
276	Effects of Coordinated Operation of Weirs and Reservoirs on the Water Quality of the Geum River. <i>Water (Switzerland)</i> , 2017, 9, 423.	1.2	12

#	ARTICLE	IF	CITATIONS
277	Impacts of Near-Term Climate Change on Irrigation Demands and Crop Yields in the Columbia River Basin. <i>Water Resources Research</i> , 2018, 54, 2152-2182.	1.7	29
278	Global Warming of Salmon and Trout Rivers in the Northwestern U.S.: Road to Ruin or Path Through Purgatory?. <i>Transactions of the American Fisheries Society</i> , 2018, 147, 566-587.	0.6	93
279	Climate change impact assessment of a river basin using CMIP5 climate models and the VIC hydrological model. <i>Hydrological Sciences Journal</i> , 2018, 63, 596-614.	1.2	24
280	Snowmelt timing, phenology, and growing season length in conifer forests of Crater Lake National Park, USA. <i>International Journal of Biometeorology</i> , 2018, 62, 273-285.	1.3	16
281	Future streamflow simulation in a snow-dominated Rocky Mountain headwater catchment. <i>Hydrology Research</i> , 2018, 49, 1172-1190.	1.1	2
282	Impacts and Implications of Temperature Variability on Chinook Salmon Egg Development and Emergence Phenology. <i>Transactions of the American Fisheries Society</i> , 2018, 147, 3-15.	0.6	10
283	Effect of projected climate change on the hydrological regime of the Yangtze River Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1-16.	1.9	45
284	Flow Restoration in the Columbia River Basin: An Evaluation of a Flow Restoration Accounting Framework. <i>Environmental Management</i> , 2018, 61, 506-519.	1.2	24
285	Climate change reduces water availability for agriculture by decreasing non-evaporative irrigation losses. <i>Journal of Hydrology</i> , 2018, 561, 444-460.	2.3	52
286	Effects of climate change on streamflow extremes and implications for reservoir inflow in the United States. <i>Journal of Hydrology</i> , 2018, 556, 359-370.	2.3	70
287	Assessing Mountains as Natural Reservoirs With a Multimetric Framework. <i>Earth's Future</i> , 2018, 6, 1221-1241.	2.4	23
288	Study of Brownian functionals for a Brownian process model of snow melt dynamics with purely time dependent drift and diffusion. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	4
289	The Variable Infiltration Capacity model version 5 (VIC-5): infrastructure improvements for new applications and reproducibility. <i>Geoscientific Model Development</i> , 2018, 11, 3481-3496.	1.3	129
290	When Should Irrigators Invest in More Water-Efficient Technologies as an Adaptation to Climate Change?. <i>Water Resources Research</i> , 2018, 54, 8999-9032.	1.7	28
292	Resolving Hydrometeorological Data Discontinuities along an International Border. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 899-910.	1.7	18
293	How Well Does the Mechanistic Water Quality Model CEQUAL-W2 Represent Biogeochemical Responses to Climatic and Hydrologic Forcing?. <i>Water Resources Research</i> , 2018, 54, 6609-6624.	1.7	15
294	Sensitivity of Streamflow Response in the Snow-Dominated Sierra Nevada Watershed Using Projected CMIP5 Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 05018015.	0.8	6
295	Factors controlling changes in evapotranspiration, runoff, and soil moisture over the conterminous U.S.: Accounting for vegetation dynamics. <i>Journal of Hydrology</i> , 2018, 565, 123-137.	2.3	32

#	ARTICLE	IF	CITATIONS
296	First passage Brownian functional properties of snowmelt dynamics. AIP Conference Proceedings, 2018, , .	0.3	0
297	Vine copula models for predicting water flow discharge at King George Island, Antarctica. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2787-2807.	1.9	5
298	Warm water temperatures and shifts in seasonality increase trout recruitment but only moderately decrease adult size in western North American tailwaters. Environmental Biology of Fishes, 2018, 101, 1269-1283.	0.4	4
299	Hydrological Responses of Headwater Basins to Monthly Perturbed Climate in the North American Cordillera. Journal of Hydrometeorology, 2019, 20, 863-882.	0.7	21
300	1200 years of Upper Missouri River streamflow reconstructed from tree rings. Quaternary Science Reviews, 2019, 224, 105971.	1.4	17
301	DNA breathing dynamics under periodic forcing: Study of several distribution functions of relevant Brownian functionals. Physical Review E, 2019, 100, 052107.	0.8	4
302	Effects of Climate Change on River flow Stochastic Approach. , 2019, , .		2
303	Modelling historical and potential future climate impacts on Keremeos Creek, an Okanagan-Similkameen watershed, British Columbia, Canada: Part I. Forecasting change in spring and summer water supply and demand. Canadian Water Resources Journal, 2019, 44, 350-366.	0.5	0
304	Planning for Idaho's waterscapes: A review of historical drivers and outlook for the next 50 years. Environmental Science and Policy, 2019, 94, 191-201.	2.4	15
305	Drought impacts to trout and salamanders in cool, forested headwater ecosystems in the western Cascade Mountains, OR. Hydrobiologia, 2019, 833, 65-80.	1.0	14
306	A Deterministic Approach for Approximating the Diurnal Cycle of Precipitation for Use in Large-Scale Hydrological Modeling. Journal of Hydrometeorology, 2019, 20, 297-317.	0.7	11
307	Relative impact of recent climate and land cover changes in the Godavari river basin, India. Journal of Earth System Science, 2019, 128, 1.	0.6	15
308	A New Method to Characterize Changes in the Seasonal Cycle of Snowpack. Journal of Applied Meteorology and Climatology, 2019, 58, 131-143.	0.6	6
309	Growth of the Decision Tree: Advances in Bottom-Up Climate Change Risk Management. Journal of the American Water Resources Association, 2019, 55, 920-937.	1.0	15
310	Hyperbranched poly(amidoamine)/TMC reverse osmosis membrane for oily saline water treatment. Environmental Technology (United Kingdom), 2019, 40, 2779-2788.	1.2	16
311	Impacts of climate change on hydrology in the Yellow River source region, China. Journal of Water and Climate Change, 2020, 11, 916-930.	1.2	30
312	Adaptation of Multiobjective Reservoir Operations to Snowpack Decline in the Western United States. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	16
313	Water rights shape crop yield and revenue volatility tradeoffs for adaptation in snow dependent systems. Nature Communications, 2020, 11, 3473.	5.8	12

#	ARTICLE	IF	CITATIONS
314	Native and invasive zooplankton show differing responses to decadal-scale increases in maximum temperatures in a large temperate river. <i>Limnology and Oceanography Letters</i> , 2020, 5, 403-409.	1.6	7
315	Analyzing the Impacts of Serial Correlation and Shift on the Streamflow Variability within the Climate Regions of Contiguous United States. <i>Hydrology</i> , 2020, 7, 91.	1.3	9
316	Understanding the Hydropower and Potential Climate Change Impact on the Himalayan River Regimes—A Study of Local Perceptions and Responses from Himachal Pradesh, India. <i>Water (Switzerland)</i> , 2020, 12, 2739.	1.2	11
317	Present and Future Flood Hazard in the Lower Columbia River Estuary: Changing Flood Hazards in the Portland-Vancouver Metropolitan Area. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015928.	1.0	15
318	Changes to rainfall, snowfall, and runoff events during the autumn-winter transition in the Rocky Mountains of North America. <i>Canadian Water Resources Journal</i> , 2020, 45, 28-42.	0.5	6
319	Defining the Nature of the Nexus: Specialization, Connectedness, Scarcity, and Scale in Food-Energy-Water Management. <i>Water (Switzerland)</i> , 2020, 12, 972.	1.2	7
320	Addressing the Water-Energy Nexus by Coupling the Hydrological Model with a New Energy LISENGY Model: A Case Study in the Iberian Peninsula. <i>Water (Switzerland)</i> , 2020, 12, 762.	1.2	1
321	Glacier recession alters stream water quality characteristics facilitating bloom formation in the benthic diatom <i>Didymosphenia geminata</i> . <i>Science of the Total Environment</i> , 2021, 764, 142856.	3.9	6
322	Impact of Climate Change on Multihazard Performance of River-Crossing Bridges: Risk, Resilience, and Adaptation. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	1.0	15
323	A mechanism for regional variations in snowpack melt under rising temperature. <i>Nature Climate Change</i> , 2021, 11, 326-330.	8.1	19
324	Coordination and control limits in standard representations of multi-reservoir operations in hydrological modeling. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1365-1388.	1.9	13
325	Performance Comparison of Equivalent Reservoir and Multireservoir Models in Forecasting Hydropower Potential for Linking Water and Power Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	4
326	Seasonal and interannual variation in lower Columbia River phytoplankton (2005-2018): environmental variability and a decline in large bloom-forming diatoms. <i>Aquatic Microbial Ecology</i> , 2021, 87, 29-46.	0.9	4
327	Estimation of Long-duration Maximum Precipitation during a winter season for large basins dominated by Atmospheric Rivers using a Numerical Weather Model. <i>Journal of Hydrology</i> , 2021, 598, 126224.	2.3	6
328	Prognostication of Shortwave Radiation Using an Improved No-Tuned Fast Machine Learning. <i>Sustainability</i> , 2021, 13, 8009.	1.6	21
329	Daily streamflow trends in Western versus Eastern Norway and their attribution to hydro-meteorological drivers. <i>Hydrological Processes</i> , 2021, 35, e14329.	1.1	2
330	Climate Change and Indigenous Peoples in the United States. , 2014, , .		44
331	Application of Vic and A Routing Scheme to Pearl River Basin in South China. , 2009, , 72-76.		11

#	ARTICLE	IF	CITATIONS
332	Taking the Pulse of Mountains: Ecosystem Responses to Climatic Variability. <i>Advances in Global Change Research</i> , 2003, , 263-282.	1.6	7
333	Predator-prey interactions influenced by a dynamic river plume. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1375-1390.	0.7	13
338	Potential effects of global climate change on National Fish Hatchery operations in the Pacific Northwest, USA. <i>Aquaculture Environment Interactions</i> , 2011, 1, 175-186.	0.7	8
339	Effect of scenario assumptions on climate change risk estimates in a water resource system. <i>Climate Research</i> , 2014, 59, 149-160.	0.4	5
340	Differential impacts of climate change on the hydrology of two alpine river basins. <i>Climate Research</i> , 2004, 26, 113-129.	0.4	146
341	Hydrologic impacts of climate change in the Upper Clackamas River Basin, Oregon, USA. <i>Climate Research</i> , 2007, 33, 143-157.	0.4	31
342	The Evaluation of Climate Change Impacts on the Water Scarcity of the Han River Basin in South Korea Using High Resolution RCM Data. <i>Journal of Korea Water Resources Association</i> , 2010, 43, 295-308.	0.3	19
343	Fish Occurrence in a Seasonally Inundated Floodplain of the Willamette River, Oregon. <i>Northwest Science</i> , 2018, 92, 191-202.	0.1	2
344	Validation of General Climate Models (GCMs) over Upper Blue Nile River Basin, Ethiopia. <i>Atmospheric and Climate Sciences</i> , 2017, 07, 65-75.	0.1	10
345	Simulating human impacts on global water resources using VIC-5. <i>Geoscientific Model Development</i> , 2020, 13, 5029-5052.	1.3	16
352	Analysis of Future Hydrological Cycle considering the Impact of Climate Change and Hydraulic Structures in Geum River Basin. <i>Korean Society of Hazard Mitigation</i> , 2014, 14, 299-309.	0.1	1
353	Effect of RCM Temporal Resolution on Estimating Future IDF Curves. <i>Korean Society of Hazard Mitigation</i> , 2018, 18, 341-352.	0.1	3
358	Effects of Climate Variability and Change on Mountain Water Resources in the Western U.S.. <i>Advances in Global Change Research</i> , 2005, , 355-364.	1.6	0
359	Federal and State Approaches to Salmon Recovery at the Millennium. , 2006, , 601-628.		0
360	Climate Change Impacts on the Seasonal Distribution of Runoff in a Snowy Headwater Basin, Niigata. <i>Hydrological Research Letters</i> , 2012, 6, 7-12.	0.3	5
362	The effect of climate change on glacier ablation and baseflow support in the Nooksack River basin and implications on Pacific salmonid species protection and recovery. , 2013, , 149-162.		1
366	Comparison of energy balance on Gangotri and Chhota Shigri Glaciers. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-8, 537-542.	0.2	0
367	Artificial Reservoirs: Land Cover Change on Local Climate. , 0, , 621-628.		0

#	ARTICLE	IF	CITATIONS
368	Weather Forecasting in Coastal Districts of Odisha and Andhra Pradesh by Using Time Series Analysis. International Journal of Emerging Research in Management & Technology, 2018, 6, 85.	0.1	2
369	Artificial Reservoirs: Land Cover Change on Local Climate. , 2020, , 17-26.		0
370	The Impact of a Hydroelectric Power Plant on a Regional Climate in Portugal. Atmosphere, 2021, 12, 1400.	1.0	1
371	Bias Correction of Hydrologic Projections Strongly Impacts Inferred Climate Vulnerabilities in Institutionally Complex Water Systems. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	1.3	8
372	Climate change and the hydropower sector: A global review. Wiley Interdisciplinary Reviews: Climate Change, 2022, 13, .	3.6	42
373	Shifts in Dry-Wet Climate Regions over China and Its Related Climate Factors between 1960â€“1989 and 1990â€“2019. Sustainability, 2022, 14, 719.	1.6	3
374	Modeling streamflow sensitivity to climate warming and surface water inputs in a montane catchment. Journal of Hydrology: Regional Studies, 2022, 39, 100976.	1.0	7
375	Chemical and isotopic variability of Bhagirathi river water (Upper Ganga), Uttarakhand, India. , 2022, , 133-146.		2
376	The Compensatory CO ₂ Fertilization and Stomatal Closure Effects on Runoff Projection From 2016â€“2099 in the Western United States. Water Resources Research, 2022, 58, .	1.7	14
377	Assessment of Climate Change Impact on the Annual Maximum Flood in an Urban River in Dublin, Ireland. Sustainability, 2022, 14, 4670.	1.6	4
378	Impacts of changing snowfall on seasonal complementarity of hydroelectric and solar power. Environmental Research: Infrastructure and Sustainability, 2022, 2, 021001.	0.9	1
379	Diagnostic Framework for Evaluating How Parametric Uncertainty Influences Agroâ€“Hydrologic Model Projections of Crop Yields Under Climate Change. Water Resources Research, 2022, 58, .	1.7	9
380	The Role of Groundwater Withdrawals on River Regulation: Example from the Columbia River Basin. Water Resources Research, 0, , .	1.7	1
381	Stochastic downscaling of hourly precipitation series from climate change projections. Water Resources Research, 0, , .	1.7	2
382	River Discharge Mediates Extent of Phytoplankton and Harmful Algal Bloom Habitat in the Columbia River Estuary (USA) During North Pacific Marine Heat Waves. Estuaries and Coasts, 2023, 46, 166-181.	1.0	5
383	Comparison of Model-Based Precipitation Maximization Methods: Moisture Optimization Method, Storm Transposition Method, and Their Combination. Journal of Hydrologic Engineering - ASCE, 2023, 28, .	0.8	0
384	Evaluation of multiple bias correction methods with different satellite rainfall products in the Main Beles Watershed, Upper Blue Nile (Abbay) Basin, Ethiopia. Journal of Water and Climate Change, 2023, 14, 156-174.	1.2	4
385	Climate related changes to flood regimes show an increasing rainfall influence. Journal of Hydrology, 2023, 617, 129075.	2.3	3

#	ARTICLE	IF	CITATIONS
386	Downscaling global land-use/cover change scenarios for regional analysis of food, energy, and water subsystems. <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	3
387	Southwest US winter precipitation variability: reviewing the role of oceanic teleconnections. <i>Environmental Research Letters</i> , 2023, 18, 053003.	2.2	2
396	Multi-scale and multi-level dynamics shape the resilience and sustainability of the Columbia River Basin, USA. , 2024, , 405-424.		0