## More green and less blue water in the Alps during warm

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Citation Report

#	Article	IF	CITATIONS
1	Near-real-time drought impact assessment: a text mining approach on the 2018/19 drought in Germany. Environmental Research Letters, 2020, 15, 1040a9.	2.2	35
2	Increasing the broad-leaved tree fraction in European forests mitigates hot temperature extremes. Scientific Reports, 2020, 10, 14153.	1.6	32
3	Physiological response of Swiss ecosystems to 2018 drought across plant types and elevation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190521.	1.8	42
4	Groundwater Buffers Drought Effects and Climate Variability in Urban Reserves. Water Resources Research, 2020, 56, e2019WR026192.	1.7	26
5	Water colour and climate. Nature Climate Change, 2020, 10, 102-103.	8.1	1
6	Divergent negative spring vegetation and summer runoff patterns and their driving mechanisms in natural ecosystems of northern latitudes. Journal of Hydrology, 2021, 592, 125848.	2.3	6
7	Agent-based modelling of water balance in a social-ecological system: A multidisciplinary approach for mountain catchments. Science of the Total Environment, 2021, 755, 142962.	3.9	17
8	Snow depth time series retrieval by time-lapse photography: Finnish and Italian case studies. Cryosphere, 2021, 15, 369-387.	1.5	10
9	Extreme Subâ€Hourly Precipitation Intensities Scale Close to the Clausius lapeyron Rate Over Europe. Geophysical Research Letters, 2021, 48, e2020GL089506.	1.5	25
10	The rise of compound warm-season droughts in Europe. Science Advances, 2021, 7, .	4.7	83
12	Navigating the Anthropocene's rivers of risk—climatic change and science-policy dilemmas in Australia's Murray-Darling Basin. Climatic Change, 2021, 165, 1.	1.7	14
13	Impacts of fertilization on grassland productivity and water quality across the European Alps under current and warming climate: insights from a mechanistic model. Biogeosciences, 2021, 18, 1917-1939.	1.3	13
15	Seasonality, Intensity, and Duration of Rainfall Extremes Change in a Warmer Climate. Earth's Future, 2021, 9, e2020EF001824.	2.4	71
16	Seasonal discharge response to temperature-driven changes in evaporation and snow processes in the Rhine Basin. Earth System Dynamics, 2021, 12, 387-400.	2.7	3
17	Comparing Evapotranspiration Estimates from the GEOframe-Prospero Model with Penman–Monteith and Priestley-Taylor Approaches under Different Climate Conditions. Water (Switzerland), 2021, 13, 1221.	1.2	13
18	Ambiguous Agricultural Drought: Characterising Soil Moisture and Vegetation Droughts in Europe from Earth Observation. Remote Sensing, 2021, 13, 1990.	1.8	23
19	Hydrological System Complexity Induces a Drought Frequency Paradox. Frontiers in Water, 2021, 3, .	1.0	3
20	A cross-scale framework for integrating multi-source data in Earth system sciences. Environmental Modelling and Software, 2021, 139, 104997.	1.9	6

#	Article	IF	CITATIONS
21	Do carbon emissions accelerate low-carbon innovation? Evidence from 285 Chinese prefecture-level cities. Environmental Science and Pollution Research, 2021, 28, 50510-50524.	2.7	12
22	Hydrological response to warm and dry weather: do glaciers compensate?. Hydrology and Earth System Sciences, 2021, 25, 3245-3265.	1.9	19
23	Toward a definition of Essential Mountain Climate Variables. One Earth, 2021, 4, 805-827.	3.6	26
24	An In-Depth Analysis of Physical Blue and Green Water Scarcity in Agriculture in Terms of Causes and Events and Perceived Amenability to Economic Interpretation. Water (Switzerland), 2021, 13, 1693.	1.2	21
25	Climate change impacts on the Alpine, Continental and Mediterranean grassland systems of Italy: A review. Italian Journal of Agronomy, 2021, 16, .	0.4	8
26	Compound and cascading drought impacts do not happen by chance: A proposal to quantify their relationships. Science of the Total Environment, 2021, 778, 146236.	3.9	23
27	ANALYSIS OF HYDROLOGICAL DROUGHT TRENDS INÂAUSTRALIA WATERSHED. International Journal of Big Data Mining for Global Warming, 0, , 2150006.	0.5	1
28	An inventory of Alpine drought impact reports to explore past droughts in a mountain region. Natural Hazards and Earth System Sciences, 2021, 21, 2485-2501.	1.5	30
29	Climate-driven acceleration in forest evapotranspiration fuelling extreme rainfall events in the Himalaya. Environmental Research Letters, 2021, 16, 084042.	2.2	6
31	Dataâ€Driven Worldwide Quantification of Largeâ€Scale Hydroclimatic Covariation Patterns and Comparison With Reanalysis and Earth System Modeling. Water Resources Research, 2021, 57, e2020WR029377.	1.7	8
32	Seasonality and Drivers of Low Flows Across Europe and the United States. Water Resources Research, 2021, 57, e2019WR026928.	1.7	15
33	An ecohydrological journey of 4500 years reveals a stable but threatened precipitation–groundwater recharge relation around Jerusalem. Science Advances, 2021, 7, eabe6303.	4.7	15
34	Increased Vegetation in Mountainous Headwaters Amplifies Water Stress During Dry Periods. Geophysical Research Letters, 2021, 48, e2021GL094672.	1.5	21
35	Detecting forest response to droughts with global observations of vegetation water content. Global Change Biology, 2021, 27, 6005-6024.	4.2	73
36	Targeted non-invasive bioindicator species detection in eDNA water samples to assess and monitor the integrity of vulnerable alpine freshwater environments. Ecological Indicators, 2021, 129, 107916.	2.6	15
37	Revealing the impacts of climate change on mountainous catchments through high-resolution modelling. Journal of Hydrology, 2021, 603, 126806.	2.3	14
38	Analysis of changes in hydrological cycle of a pristine mountain catchment. 1. Water balance components and snow cover. Journal of Hydrology and Hydromechanics, 2020, 68, 180-191.	0.7	13
39	Climate elasticity of evapotranspiration shifts the water balance of Mediterranean climates during multi-year droughts. Hydrology and Earth System Sciences, 2020, 24, 4317-4337.	1.9	41

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40	Effects of climate anomalies on warm-season low flows in Switzerland. Hydrology and Earth System Sciences, 2020, 24, 5423-5438.	1.9	14
41	Evapotranspiration Changes over the European Alps: Consistency of Trends and Their Drivers between the MOD16 and SSEBop Algorithms. Remote Sensing, 2021, 13, 4316.	1.8	5
42	Compound hot temperature and high chlorophyll extreme events in global lakes. Environmental Research Letters, 2021, 16, 124066.	2.2	19
43	Smartforests Canada: A Network of Monitoring Plots for Forest Management Under Environmental Change. Managing Forest Ecosystems, 2022, , 521-543.	0.4	6
44	Response of water fluxes and biomass production to climate change in permanent grassland soil ecosystems. Hydrology and Earth System Sciences, 2021, 25, 6087-6106.	1.9	8
45	Exploring future vulnerabilities of subalpine Italian regulated lakes under different climate scenarios: bottomâ€up vs top-down and CMIP5 vs CMIP6. Journal of Hydrology: Regional Studies, 2021, 38, 100973.	1.0	3
46	The Energy and Mass Balance of Peruvian Glaciers. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034911.	1.2	11
47	Unravelling groundwater contributions to evapotranspiration and constraining water fluxes in a highâ€elevation catchment. Hydrological Processes, 2022, 36, .	1.1	13
48	A multiâ€scale study of the dominant catchment characteristics impacting lowâ€flow metrics. Hydrological Processes, 2022, 36, .	1.1	6
49	Insensitivity of Ecosystem Productivity to Predicted Changes in Fine cale Rainfall Variability. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	6
50	Climate Changes and Their Elevational Patterns in the Mountains of the World. Reviews of Geophysics, 2022, 60, .	9.0	140
51	Effects of climate change on major elements of the hydrological cycle in Aksu River basin, northwest China. International Journal of Climatology, 2022, 42, 5359-5372.	1.5	5
52	Drivers of drought-induced shifts in the water balance through a Budyko approach. Hydrology and Earth System Sciences, 2022, 26, 589-607.	1.9	13
53	Severe Lake Heatwaves Attributable to Humanâ€Induced Global Warming. Geophysical Research Letters, 2022, 49, .	1.5	16
54	Forest water use is increasingly decoupled from water availability even during severe drought. Landscape Ecology, 2022, 37, 1801-1817.	1.9	3
55	Impact of land use and land cover dynamics on ecologically-relevant flows and blue-green water resources. Ecohydrology and Hydrobiology, 2022, 22, 420-434.	1.0	8
56	Mechanisms Controlling Carbon Sinks in Semiâ€Arid Mountain Ecosystems. Global Biogeochemical Cycles, 2022, 36, .	1.9	5
57	Evaporation enhancement drives the European water-budget deficit during multi-year droughts. Hydrology and Earth System Sciences, 2022, 26, 1527-1543.	1.9	18

#	Article	IF	CITATIONS
58	Isotopic Heterogeneity of Stem Water in Conifers Is Correlated to Xylem Hydraulic Traits and Supports Multiple Residence Times. Frontiers in Water, 2022, 4, .	1.0	9
59	Analysis of drought and flood alternation and its driving factors in the Yangtze River Basin under climate change. Atmospheric Research, 2022, 270, 106087.	1.8	32
60	Multi-Source Hydrological Data Products to Monitor High Asian River Basins and Regional Water Security. Remote Sensing, 2021, 13, 5122.	1.8	3
61	Streamflow Reconstructions Using Tree-Ring Based Paleo Proxies for the Upper Adige River Basin (Italy). Hydrology, 2022, 9, 8.	1.3	3
62	Gross primary productivity and water use efficiency are increasing in a high rainfall tropical savanna. Global Change Biology, 2022, 28, 2360-2380.	4.2	11
63	Detection of Changes in the Hydrological Balance in Seven River Basins Along the Western Carpathians in Slovakia. Slovak Journal of Civil Engineering, 2021, 29, 49-60.	0.2	5
64	Grassland Model Based Evaluation of Drought Indices: A Case Study from the Slovenian Alpine Region. Agronomy, 2022, 12, 936.	1.3	1
65	Understanding monsoon controls on the energy and mass balance of glaciers in the Central and Eastern Himalaya. Cryosphere, 2022, 16, 1631-1652.	1.5	17
66	Exploring the effects of management intensification on multiple ecosystem services in an ecosystem management context. Forest Ecology and Management, 2022, 518, 120299.	1.4	5
67	A calibration free radiation driven model for estimating actual evapotranspiration of mountain grasslands (CLIME-MG). Journal of Hydrology, 2022, 610, 127948.	2.3	7
68	From Soils to Streams: Connecting Terrestrial Carbon Transformation, Chemical Weathering, and Solute Export Across Hydrological Regimes. Water Resources Research, 2022, 58, .	1.7	14
69	Evapotranspiration of an Abandoned Grassland in the Italian Alps: Influence of Local Topography, Intra- and Inter-Annual Variability and Environmental Drivers. Atmosphere, 2022, 13, 977.	1.0	3
70	Increasing Streamflow in Poor Vegetated Mountain Basins Induced by Greening of Underlying Surface. Remote Sensing, 2022, 14, 3223.	1.8	3
71	Variability of Snow and Rainfall Partitioning Into Evapotranspiration and Summer Runoff Across Nine Mountainous Catchments. Geophysical Research Letters, 2022, 49, .	1.5	6
72	Exposure to global change pressures and potential impacts on ecosystem services of mountain lakes in the European Alps. Journal of Environmental Management, 2022, 318, 115606.	3.8	14
73	Impacts of climate change and evapotranspiration on shrinkage of Aral Sea. Science of the Total Environment, 2022, 845, 157203.	3.9	18
74	On the Uncertainty Induced by Pedotransfer Functions in Terrestrial Biosphere Modeling. Water Resources Research, 2022, 58, .	1.7	10
75	Xylem porosity, sapwood characteristics, and uncertainties in temperate and boreal forest water use. Agricultural and Forest Meteorology, 2022, 323, 109092.	1.9	4

#	Article	IF	CITATIONS
76	Remote sensing hydrological indication: Responses of hydrological processes to vegetation cover change in mid-latitude mountainous regions. Science of the Total Environment, 2022, 851, 158170.	3.9	4
77	Responses of vegetation to changes in terrestrial water storage and temperature in global mountainous regions. Science of the Total Environment, 2022, 851, 158416.	3.9	10
78	Multi-decadal monsoon characteristics and glacier response in High Mountain Asia. Environmental Research Letters, 2022, 17, 104001.	2.2	5
79	Disentangling the role of subsurface storage in the propagation of drought through the hydrological cycle. Advances in Water Resources, 2022, 169, 104305.	1.7	10
80	Moderate and Severe Hydrological Droughts in Europe Differ in Their Hydrometeorological Drivers. Water Resources Research, 2022, 58, .	1.7	8
81	Glacier Contributions to River Discharge During the Current Chilean Megadrought. Earth's Future, 2022, 10, .	2.4	3
82	Spatial Variation in Catchment Response to Climate Change Depends on Lateral Moisture Transport and Nutrient Dynamics. Water Resources Research, 2022, 58, .	1.7	2
83	Evapotranspiration frequently increases during droughts. Nature Climate Change, 2022, 12, 1024-1030.	8.1	46
84	Climate adaptation options for the 2026 MDB Plan: opportunities for managing climate risk. Australian Journal of Water Resources, 0, , 1-14.	1.6	3
85	Nitrate concentrations predominantly driven by human, climate, and soil properties in US rivers. Water Research, 2022, 226, 119295.	5.3	12
86	Estimation of green and blue water evapotranspiration using machine learning algorithms with limited meteorological data: A case study in Amu Darya River Basin, Central Asia. Computers and Electronics in Agriculture, 2022, 202, 107403.	3.7	8
87	Persistent effects of global warming on vegetation growth are regulated by water in China during 2001–2017. Journal of Cleaner Production, 2022, 381, 135198.	4.6	8
88	Compound droughts and hot extremes: Characteristics, drivers, changes, and impacts. Earth-Science Reviews, 2022, 235, 104241.	4.0	33
89	Upstream-downstream asymmetries of drought impacts in major river basins of the European Alps. Frontiers in Water, 0, 4, .	1.0	2
90	Resolving streamflow diel fluctuations in a small agricultural catchment with an integrated surfaceâ€subsurface hydrological model. Hydrological Processes, 2022, 36, .	1.1	3
91	Estimating Vegetation Greening Influences on Runoff Signatures Using a Logâ€Based Weighted Ensemble Method. Water Resources Research, 2022, 58, .	1.7	2
92	Water availability and plant–herbivore interactions. Journal of Experimental Botany, 2023, 74, 2811-2828.	2.4	7
93	Subsurface Lateral Flows Buffer Riparian Water Stress Against Snow Drought. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	1

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94	Climate risk assessment in the MDB – a review. Australian Journal of Water Resources, 2023, 27, 18-30.	1.6	7	
95	Nature-based solutions for climate change adaptation are not located where they are most needed across the Alps. Regional Environmental Change, 2023, 23, .	1.4	6	
96	Identify the relationship of meteorological drought and ecohydrological drought in Xilin Gol Grassland, China. Natural Hazards, 0, , .	1.6	0	
97	Detection of Changes in Evapotranspiration on a Catchment Scale Under Changing Climate Conditions in Selected River Basins of Slovakia. Slovak Journal of Civil Engineering, 2022, 30, 55-63.	0.2	4	
98	Perspectives of human–water coâ€evolution of blue–green water resources in subtropical areas. Hydrological Processes, 0, , .	1.1	1	
99	Trend Analysis of Selected Hydroclimatic Variables for the Hornad Catchment (Slovakia). Water (Switzerland), 2023, 15, 471.	1.2	4	
100	Environmental changes promoted vegetation growth and reduced water yield over the temperate semi-arid grassland of China during 1901–2016. Journal of Hydrology, 2023, 618, 129235.	2.3	4	
101	Impacts of elevational variability of climate and frozen ground on streamflow in a glacierized catchment in Tibetan Plateau. Journal of Hydrology, 2023, 619, 129312.	2.3	1	
102	Soil Moisture to Runoff (SM2R): A Dataâ€Ðriven Model for Runoff Estimation Across Poorly Gauged Asian Water Towers Based on Soil Moisture Dynamics. Water Resources Research, 2023, 59, .	1.7	4	
103	High Dissolved Carbon Concentration in Arid Rocky Mountain Streams. Environmental Science & Technology, 2023, 57, 4656-4667.	4.6	4	
104	Synergetic Role of Nano-/Microscale Structures of the <i>Trifolium</i> Leaf Surface for Self-Cleaning Properties. Langmuir, 2023, 39, 6178-6187.	1.6	1	
126	Land degradation and drought in mountains. , 2024, , 17-22.		0	