

Large hydropower and water-storage potential in futur

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Consistent long-term Holocene warming trend at different elevations in the Altai Mountains in arid central Asia. <i>Journal of Quaternary Science</i> , 2020, 35, 1036-1045.	1.1	18
2	Glacier Ice Thickness Estimation and Future Lake Formation in Swiss Southwestern Alps—The Upper Rhône Catchment: A VOLTA Application. <i>Remote Sensing</i> , 2020, 12, 3443.	1.8	16
3	In full transition: Key impacts of vanishing mountain ice on water-security at local to global scales. <i>Water Security</i> , 2020, 11, 100074.	1.2	12
4	Rapid worldwide growth of glacial lakes since 1990. <i>Nature Climate Change</i> , 2020, 10, 939-945.	8.1	235
5	Past and future contributions of artificial reservoirs on global sea-level rise. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104922.	5.3	2
6	Recent Accelerating Glacier Mass Loss of the Geladandong Mountain, Inner Tibetan Plateau, Estimated from ZiYuan-3 and TanDEM-X Measurements. <i>Remote Sensing</i> , 2020, 12, 472.	1.8	16
7	Water-level fluctuation enhances sediment and trace metal mobility in lake littoral. <i>Chemosphere</i> , 2021, 264, 128451.	4.2	9
8	200 Years of equilibrium-line altitude variability across the European Alps (1901–2100). <i>Climate Dynamics</i> , 2021, 56, 1183-1201.	1.7	28
9	The Response of Glaciers to Climate Change: Observations and Impacts. , 2021, , .		3
10	Snow and ice in the hydrosphere. , 2021, , 93-135.		3
11	Reservoir Governance in World's Water Towers Needs to Anticipate Multi-purpose Use. <i>Earth's Future</i> , 2021, 9, e2020EF001643.	2.4	14
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14	Glacial change and hydrological implications in the Himalaya and Karakoram. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 91-106.	12.2	182
15	The albedo—climate penalty of hydropower reservoirs. <i>Nature Energy</i> , 2021, 6, 372-377.	19.8	27
17	Insights for Canadian electricity generation planning from an integrated assessment model: Should we be more cautious about hydropower cost overruns?. <i>Energy Policy</i> , 2021, 150, 112138.	4.2	11
18	Future glacial lakes in High Mountain Asia: an inventory and assessment of hazard potential from surrounding slopes. <i>Journal of Glaciology</i> , 2021, 67, 653-670.	1.1	34
19	Limited impact of climate forcing products on future glacier evolution in Scandinavia and Iceland. <i>Journal of Glaciology</i> , 2021, 67, 727-743.	1.1	9

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21	Hydropower under climate uncertainty: Characterizing the usable capacity of Brazilian, Colombian and Peruvian power plants under climate scenarios. <i>Energy for Sustainable Development</i> , 2021, 61, 217-229.	2.0	21
23	Increasing risk of glacial lake outburst floods from future Third Pole deglaciation. <i>Nature Climate Change</i> , 2021, 11, 411-417.	8.1	146
24	Ice thickness distribution of all Swiss glaciers based on extended ground-penetrating radar data and glaciological modeling. <i>Journal of Glaciology</i> , 2021, 67, 1074-1092.	1.1	26
25	Design Engineering, Synthesis Protocols, and Energy Applications of MOF-Derived Electrocatalysts. <i>Nano-Micro Letters</i> , 2021, 13, 132.	14.4	134
26	Future changes in annual, seasonal and monthly runoff signatures in contrasting Alpine catchments in Austria. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3429-3453.	1.9	16
27	Gulf of Alaska ice-marginal lake area change over the Landsat record and potential physical controls. <i>Cryosphere</i> , 2021, 15, 3255-3278.	1.5	11
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30	The Landslide Hazard Chain in the Tapovan of the Himalayas on 7 February 2021. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093723.	1.5	25
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33	Effect of Water Withdrawal on the Appearance and Sound Level of Waterfalls. <i>Water Resources Research</i> , 2021, 57, e2021WR030980.	1.7	2
34	Exceptional increases in fluvial sediment fluxes in a warmer and wetter High Mountain Asia. <i>Science</i> , 2021, 374, 599-603.	6.0	121
35	Bayesian characterization of uncertainties surrounding fluvial flood hazard estimates. <i>Hydrological Sciences Journal</i> , 2022, 67, 277-286.	1.2	2
36	Glacial Lake Area Change and Potential Outburst Flood Hazard Assessment in the Bhutan Himalaya. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
37	The hydrochemistry and water quality of glacierized catchments in Central Asia: A review of the current status and anticipated change. <i>Journal of Hydrology: Regional Studies</i> , 2021, 38, 100960.	1.0	9
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39	Nonlinear sensitivity of glacier mass balance to future climate change unveiled by deep learning. <i>Nature Communications</i> , 2022, 13, 409.	5.8	36

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41	A global analysis of urbanization effects on amphibian richness: Patterns and drivers. <i>Global Environmental Change</i> , 2022, 73, 102476.	3.6	7
42	Preserving life on Earth. , 2022, , 503-602.		0
43	Identification of Hazardous Glacial Lakes in the Yarlung Zangbo River Basin Based on Lakes Changes Determined Using Google Earth Engine. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	2
44	Cryosphere Services to Advance the National SDG Priorities in Himalaya-Karakoram Region. <i>Sustainability</i> , 2022, 14, 2532.	1.6	1
45	Projected 21st-Century Glacial Lake Evolution in High Mountain Asia. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	12
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49	Carbon intensity of global existing and future hydropower reservoirs. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112433.	8.2	9
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51	Modelling supraglacial debris-cover evolution from the single-glacier to the regional scale: an application to High Mountain Asia. <i>Cryosphere</i> , 2022, 16, 1697-1718.	1.5	10
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53	Volume, evolution, and sedimentation of future glacier lakes in Switzerland over the 21st century. <i>Earth Surface Dynamics</i> , 2022, 10, 723-741.	1.0	8
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55	Ice thickness and morphological analysis reveal the future glacial lake distribution and formation probability in the Tibetan Plateau and its surroundings. <i>Global and Planetary Change</i> , 2022, 216, 103923.	1.6	10
56	Numerical Simulations for Multipurpose Reservoirs for Alpine Irrigation. <i>Springer Water</i> , 2022, , 1035-1049.	0.2	0
57	Declining basal motion dominates the longâ€term slowing of Athabasca Glacier, Canada. <i>Journal of Geophysical Research F: Earth Surface</i> , 0, , .	1.0	1
58	Assessment of climate change impacts on glacio-hydrological processes and their variations within critical zone. <i>Natural Hazards</i> , 2023, 115, 2721-2748.	1.6	4

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61	Vulnerability of water resource management to climate change: Application to a Pyrenean valley. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101241.	1.0	0
62	Glacial lake outburst flood hazard under current and future conditions: worst-case scenarios in a transboundary Himalayan basin. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 3765-3785.	1.5	10
63	A global-scale framework for hydropower development incorporating strict environmental constraints. , 2023, 1, 113-122.		26
64	High Solar Energy Absorption and Human Body Radiation Reflection Janus Textile for Personal Thermal Management. <i>Advanced Fiber Materials</i> , 2023, 5, 955-967.	7.9	7
65	Impact of climate change on the long-term water balance in the Yarlung Zangbo basin. <i>Frontiers in Earth Science</i> , 0, 11, .	0.8	1
82	Opportunities and threats of cryosphere change to the achievement of UN 2030 SDGs. <i>Humanities and Social Sciences Communications</i> , 2024, 11, .	1.3	0