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List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

923
citations

430874

18
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

1419
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidecadal increases in the Yukon River Basin of chemical fluxes as indicators of changing flowpaths, groundwater, and permafrost. <i>Geophysical Research Letters</i> , 2016, 43, 12,120.	4.0	99
2	Dissolved organic carbon and nitrogen release from boreal Holocene permafrost and seasonally frozen soils of Alaska. <i>Environmental Research Letters</i> , 2018, 13, 065011.	5.2	84
3	Hydrologic controls on the transport and cycling of carbon and nitrogen in a boreal catchment underlain by continuous permafrost. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 698-712.	3.0	74
4	Rapid runoff via shallow throughflow and deeper preferential flow in a boreal catchment underlain by frozen silt (Alaska, USA). <i>Hydrogeology Journal</i> , 2013, 21, 93-106.	2.1	57
5	Runoff sources and flow paths in a partially burned, upland boreal catchment underlain by permafrost. <i>Water Resources Research</i> , 2014, 50, 8141-8158.	4.2	54
6	Life in the Main Channel: Long-Term Hydrologic Control of Microbial Mat Abundance in McMurdo Dry Valley Streams, Antarctica. <i>Ecosystems</i> , 2015, 18, 310-327.	3.4	49
7	Effect of permafrost thaw on CO ₂ and CH ₄ exchange in a western Alaska peatland chronosequence. <i>Environmental Research Letters</i> , 2014, 9, 085004.	5.2	45
8	Landscape Effects of Wildfire on Permafrost Distribution in Interior Alaska Derived from Remote Sensing. <i>Remote Sensing</i> , 2016, 8, 654.	4.0	33
9	Morphology-Dependent Water Budgets and Nutrient Fluxes in Arctic Thaw Ponds. <i>Permafrost and Periglacial Processes</i> , 2014, 25, 79-93.	3.4	31
10	Surface water connectivity drives richness and composition of Arctic lake fish assemblages. <i>Freshwater Biology</i> , 2016, 61, 1090-1104.	2.4	31
11	Permafrost Promotes Shallow Groundwater Flow and Warmer Headwater Streams. <i>Water Resources Research</i> , 2021, 57, e2020WR027463.	4.2	31
12	Forecasting Wildlife Response to Rapid Warming in the Alaskan Arctic. <i>BioScience</i> , 2015, 65, 718-728.	4.9	29
13	Simulating unsteady flow, anabranching, and hyporheic dynamics in a glacial meltwater stream using a coupled surface water routing and groundwater flow model. <i>Water Resources Research</i> , 2011, 47, .	4.2	28
14	Ice Wedge Degradation and Stabilization Impact Water Budgets and Nutrient Cycling in Arctic Trough Ponds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2604-2616.	3.0	26
15	Soil Physical, Hydraulic, and Thermal Properties in Interior Alaska, USA: Implications for Hydrologic Response to Thawing Permafrost Conditions. <i>Water Resources Research</i> , 2019, 55, 4427-4447.	4.2	26
16	Effect of unsteady flow on nitrate loss in an oligotrophic, glacial meltwater stream. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
17	Review: Groundwater in Alaska (USA). <i>Hydrogeology Journal</i> , 2013, 21, 25-39.	2.1	21
18	Permafrost Hydrology Drives the Assimilation of Old Carbon by Stream Food Webs in the Arctic. <i>Ecosystems</i> , 2020, 23, 435-453.	3.4	20

#	ARTICLE	IF	CITATIONS
19	Pronounced chemical response of Subarctic lakes to climate-driven losses in surface area. <i>Global Change Biology</i> , 2015, 21, 1140-1152.	9.5	18
20	Lateral and subsurface flows impact arctic coastal plain lake water budgets. <i>Hydrological Processes</i> , 2016, 30, 3918-3931.	2.6	16
21	Carbon Dioxide and Methane Flux in a Dynamic Arctic Tundra Landscape: Decadal-Scale Impacts of Ice Wedge Degradation and Stabilization. <i>Geophysical Research Letters</i> , 2020, 47, .	4.0	16
22	Tracer-based evidence of heterogeneity in subsurface flow and storage within a boreal hillslope. <i>Hydrological Processes</i> , 2017, 31, 2453-2463.	2.6	14
23	Patterns and controls of mercury accumulation in sediments from three thermokarst lakes on the Arctic Coastal Plain of Alaska. <i>Aquatic Sciences</i> , 2018, 80, 1.	1.5	13
24	Fish growth rates and lake sulphate explain variation in mercury levels in ninespine stickleback (<i>Pungitius pungitius</i>) on the Arctic Coastal Plain of Alaska. <i>Science of the Total Environment</i> , 2020, 743, 140564.	8.0	13
25	Sensitivity of headwater streamflow to thawing permafrost and vegetation change in a warming Arctic. <i>Environmental Research Letters</i> , 2022, 17, 044074.	5.2	12
26	Multi-year, spatially extensive, watershed-scale synoptic stream chemistry and water quality conditions for six permafrost-underlain Arctic watersheds. <i>Earth System Science Data</i> , 2022, 14, 95-116.	9.9	9
27	Nutrient Dynamics in Partially Drained Arctic Thaw Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 440-452.	3.0	8
28	Potential for real-time understanding of coupled hydrologic and biogeochemical processes in stream ecosystems: Future integration of telemetered data with process models for glacial meltwater streams. <i>Water Resources Research</i> , 2015, 51, 6725-6738.	4.2	7
29	Field-based method for assessing duration of infectivity for influenza A viruses in the environment. <i>Journal of Virological Methods</i> , 2020, 277, 113818.	2.1	6
30	Heterogeneous Patterns of Aged Organic Carbon Export Driven by Hydrologic Flow Paths, Soil Texture, Fire, and Thaw in Discontinuous Permafrost Headwaters. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	5
31	Seasonality of solute flux and water source chemistry in a coastal glacierized watershed undergoing rapid change: Wolverine Glacier watershed, Alaska. <i>Water Resources Research</i> , 2021, 57, e2020WR028725.	4.2	4
32	Comparative nest survival of three sympatric loon species breeding in the Arctic. <i>Journal of Avian Biology</i> , 2018, 49, e01671.	1.2	3
33	Storm-Scale and Seasonal Dynamics of Carbon Export From a Nested Subarctic Watershed Underlain by Permafrost. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006268.	3.0	2
34	Nitrogen biogeochemistry in a boreal headwater stream network in interior Alaska. <i>Science of the Total Environment</i> , 2021, 764, 142906.	8.0	1
35	Arctic insect emergence timing and composition differs across thaw ponds of varying morphology. <i>Arctic, Antarctic, and Alpine Research</i> , 2021, 53, 110-126.	1.1	1