

Jason A Leach

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

700
citations

566801

15
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater inflows control patterns and sources of greenhouse gas emissions from streams. <i>Limnology and Oceanography</i> , 2019, 64, 1545-1557.	1.6	65
2	Atmospheric and soil moisture controls on evapotranspiration from above and within a Western Boreal Plain aspen forest. <i>Hydrological Processes</i> , 2014, 28, 4449-4462.	1.1	59
3	Twelve-Year interannual and seasonal variability of stream carbon export from a boreal peatland catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1851-1866.	1.3	53
4	Above-stream microclimate and stream surface energy exchanges in a wildfire-disturbed riparian zone. <i>Hydrological Processes</i> , 2010, 24, 2369-2381.	1.1	51
5	Stream temperature dynamics in two hydrogeomorphically distinct reaches. <i>Hydrological Processes</i> , 2011, 25, 679-690.	1.1	50
6	Winter stream temperature in the rain-on-snow zone of the Pacific Northwest: influences of hillslope runoff and transient snow cover. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 819-838.	1.9	49
7	Evaluating topography-based predictions of shallow lateral groundwater discharge zones for a boreal lake-stream system. <i>Water Resources Research</i> , 2017, 53, 5420-5437.	1.7	47
8	Empirical Stream Thermal Sensitivities May Underestimate Stream Temperature Response to Climate Warming. <i>Water Resources Research</i> , 2019, 55, 5453-5467.	1.7	42
9	Estimation of forest harvesting-induced stream temperature changes and bioenergetic consequences for cutthroat trout in a coastal stream in British Columbia, Canada. <i>Aquatic Sciences</i> , 2012, 74, 427-441.	0.6	38
10	Aquatic export of young dissolved and gaseous carbon from a pristine boreal fen: Implications for peat carbon stock stability. <i>Global Change Biology</i> , 2017, 23, 5523-5536.	4.2	38
11	Observations and modeling of hillslope throughflow temperatures in a coastal forested catchment. <i>Water Resources Research</i> , 2015, 51, 3770-3795.	1.7	25
12	Thermal detection of discrete riparian inflow points (DRIPs) during contrasting hydrological events. <i>Hydrological Processes</i> , 2018, 32, 3049-3050.	1.1	24
13	Headwater lakes and their influence on downstream discharge. <i>Limnology and Oceanography Letters</i> , 2019, 4, 105-112.	1.6	22
14	What are the contemporary sources of sediment in the Mississippi River?. <i>Geophysical Research Letters</i> , 2017, 44, 8919-8924.	1.5	19
15	Insights on stream temperature processes through development of a coupled hydrologic and stream temperature model for forested coastal headwater catchments. <i>Hydrological Processes</i> , 2017, 31, 3160-3177.	1.1	18
16	Travel times for snowmelt-dominated headwater catchments: Influences of wetlands and forest harvesting, and linkages to stream water quality. <i>Hydrological Processes</i> , 2020, 34, 2154-2175.	1.1	15
17	Spatial and seasonal variability of forested headwater stream temperatures in western Oregon, USA. <i>Aquatic Sciences</i> , 2017, 79, 291-307.	0.6	13
18	Lake Outflow and Hillslope Lateral Inflows Dictate Thermal Regimes of Forested Streams Draining Small Lakes. <i>Water Resources Research</i> , 2021, 57, e2020WR028136.	1.7	13

#	ARTICLE	IF	CITATIONS
19	Discrete groundwater inflows influence patterns of nitrogen uptake in a boreal headwater stream. <i>Freshwater Science</i> , 2020, 39, 228-240.	0.9	11
20	Groundwater, Soil, and Vegetation Interactions at Discrete Riparian Inflow Points (DRIPs) and Implications for Boreal Streams. <i>Frontiers in Water</i> , 2021, 3, .	1.0	11
21	Acidification recovery in a changing climate: Observations from thirty-five years of stream chemistry monitoring in forested headwater catchments at the Turkey Lakes watershed, Ontario. <i>Hydrological Processes</i> , 2021, 35, e14346.	1.1	11
22	Turkey Lakes Watershed, Ontario, Canada: 40 years of interdisciplinary whole-ecosystem research. <i>Hydrological Processes</i> , 2021, 35, e14109.	1.1	10
23	Geometric calculation of view factors for stream surface radiation modelling in the presence of riparian forest. <i>Hydrological Processes</i> , 2013, 28, n/a-n/a.	1.1	8
24	Streamflow regime of a lake-stream system based on long-term data from a high-density hydrometric network. <i>Hydrological Processes</i> , 2021, 35, e14396.	1.1	4
25	Predicting Latent and Sensible Heat Fluxes in Stream Temperature Models: Current Challenges and Potential Solutions. <i>Water Resources Research</i> , 2021, 57, e2020WR028712.	1.7	3
26	Do headwater lakes moderate downstream temperature response to forest harvesting? Illustrating opportunities and obstacles associated with virtual experiments. <i>Hydrological Processes</i> , 2022, 36, .	1.1	1