

Jeffrey A Back

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

630
citations

567281

15
h-index

580821

25
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25
all docs

25
docs citations

25
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	Does nutrient enrichment decouple algal-bacterial production in periphyton?. <i>Journal of the North American Benthological Society</i> , 2008, 27, 332-344.	3.1	91
2	Freshwater eutrophication drives sharp reductions in temporal beta diversity. <i>Ecology</i> , 2018, 99, 47-56.	3.2	89
3	Sex and size matter: ontogenetic patterns of nutrient content of aquatic insects. <i>Freshwater Science</i> , 2013, 32, 837-848.	1.8	44
4	Alder cover drives nitrogen availability in Kenai lowland headwater streams, Alaska. <i>Biogeochemistry</i> , 2012, 107, 135-148.	3.5	40
5	Influence of drought and total phosphorus on diel pH in wadeable streams: Implications for ecological risk assessment of ionizable contaminants. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 636-647.	2.9	34
6	The role of N ₂ fixation in alleviating N limitation in wetland metaphyton: enzymatic, isotopic, and elemental evidence. <i>Biogeochemistry</i> , 2007, 84, 207-218.	3.5	33
7	Microbial Community Structure and Function Decoupling Across a Phosphorus Gradient in Streams. <i>Microbial Ecology</i> , 2018, 75, 64-73.	2.8	33
8	Effects of pulsed atrazine exposures on autotrophic community structure, biomass, and production in field-based stream mesocosms. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 660-675.	4.3	30
9	INFLUENCE OF NITROGEN AND PHOSPHORUS CONCENTRATIONS AND RATIOS ON LEMNA GIBBA GROWTH RESPONSES TO TRICLOSAN IN LABORATORY AND STREAM MESOCOSM EXPERIMENTS. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2610.	4.3	29
10	Ontogenetic differences in mayfly stoichiometry influence growth rates in response to phosphorus enrichment. <i>Fundamental and Applied Limnology</i> , 2008, 171, 233-240.	0.7	24
11	Breakdown rates, nutrient concentrations, and macroinvertebrate colonization of bluejoint grass litter in headwater streams of the Kenai Peninsula, Alaska. <i>Journal of the North American Benthological Society</i> , 2011, 30, 386-398.	3.1	22
12	Allochthonous inputs from grass-dominated wetlands support juvenile salmonids in headwater streams: evidence from stable isotopes of carbon, hydrogen, and nitrogen. <i>Freshwater Science</i> , 2012, 31, 121-132.	1.8	21
13	Spatial, temporal and experimental: Three study design cornerstones for establishing defensible numeric criteria in freshwater ecosystems. <i>Journal of Applied Ecology</i> , 2018, 55, 2114-2123.	4.0	21
14	Catchment topography and wetland geomorphology drive macroinvertebrate community structure and juvenile salmonid distributions in south-central Alaska headwater streams. <i>Freshwater Science</i> , 2012, 31, 341-364.	1.8	18
15	Grazing minnows increase benthic autotrophy and enhance the response of periphyton elemental composition to experimental phosphorus additions. <i>Freshwater Science</i> , 2012, 31, 451-462.	1.8	17
16	Low-level addition of dissolved organic carbon increases basal ecosystem function in a boreal headwater stream. <i>Ecosphere</i> , 2017, 8, e01739.	2.2	17
17	Fish-mediated nutrient cycling and benthic microbial processes: can consumers influence stream nutrient cycling at multiple spatial scales?. <i>Freshwater Science</i> , 2012, 31, 928-944.	1.8	15
18	Exploring <i>Lemna gibba</i> thresholds to nutrient and chemical stressors: Differential effects of triclosan on internal stoichiometry and nitrate uptake across a nitrogen:phosphorus gradient. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2363-2370.	4.3	10

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19	Catchment-scale alder cover controls nitrogen fixation in boreal headwater streams. <i>Freshwater Science</i> , 2017, 36, 523-532.	1.8	10
20	Effects of stream velocity and phosphorus concentrations on alkaline phosphatase activity and carbon:phosphorus ratios in periphyton. <i>Hydrobiologia</i> , 2019, 826, 173-182.	2.0	10
21	Consumer-mediated nutrient recycling is influenced by interactions between nutrient enrichment and the antimicrobial agent triclosan. <i>Freshwater Science</i> , 2016, 35, 856-872.	1.8	6
22	Low-level dissolved organic carbon subsidies drive a trophic upsurge in a boreal stream. <i>Freshwater Biology</i> , 2020, 65, 920-934.	2.4	6
23	A Metagenome-Based Investigation of Gene Relationships for Non-Substrate-Associated Microbial Phosphorus Cycling in the Water Column of Streams and Rivers. <i>Microbial Ecology</i> , 2018, 76, 856-865.	2.8	5
24	Nutrient Bioassays of Growth Parameters for Algae in the North Bosque River of Central Texas. <i>Journal of the American Water Resources Association</i> , 2008, 44, 1219-1230.	2.4	4
25	Compensatory dynamics of lotic algae break down nonlinearly with increasing nutrient enrichment. <i>Ecology</i> , 2022, 103, e3613.	3.2	1