

Jonathan P Benstead

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,394
citations

186265

28
h-index

243625

44
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47
all docs

47
docs citations

47
times ranked

3887
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient enrichment intensifies the effects of warming on metabolic balance of stream ecosystems. <i>Limnology and Oceanography Letters</i> , 2022, 7, 332-341.	3.9	8
2	Flow is more Important than Temperature in Driving Patterns of Organic Matter Storage and Stoichiometry in Stream Ecosystems. <i>Ecosystems</i> , 2021, 24, 1317-1331.	3.4	4
3	Combined carbon flows through detritus, microbes, and animals in reference and experimentally enriched stream ecosystems. <i>Ecology</i> , 2021, 102, e03279.	3.2	3
4	Decomposing decomposition: isolating direct effects of temperature from other drivers of detrital processing. <i>Ecology</i> , 2021, 102, e03467.	3.2	5
5	Thermal niche diversity and trophic redundancy drive neutral effects of warming on energy flux through a stream food web. <i>Ecology</i> , 2020, 101, e02952.	3.2	7
6	Resource supply governs the apparent temperature dependence of animal production in stream ecosystems. <i>Ecology Letters</i> , 2020, 23, 1809-1819.	6.4	12
7	Contrasting responses of black fly species (Diptera: Simuliidae) to experimental whole-stream warming. <i>Freshwater Biology</i> , 2020, 65, 1793-1805.	2.4	3
8	Experimental N and P additions relieve stoichiometric constraints on organic matter flows through five stream food webs. <i>Journal of Animal Ecology</i> , 2020, 89, 1468-1481.	2.8	8
9	Ignoring temperature variation leads to underestimation of the temperature sensitivity of plant litter decomposition. <i>Ecosphere</i> , 2020, 11, e03050.	2.2	8
10	Transport of N and P in U.S. streams and rivers differs with land use and between dissolved and particulate forms. <i>Ecological Applications</i> , 2020, 30, e02130.	3.8	32
11	Seasonal changes in light availability modify the temperature dependence of secondary production in an Arctic stream. <i>Ecology</i> , 2019, 100, e02690.	3.2	13
12	Litter P content drives consumer production in detritus-based streams spanning an experimental N:P gradient. <i>Ecology</i> , 2018, 99, 347-359.	3.2	34
13	Experimental nitrogen and phosphorus additions increase rates of stream ecosystem respiration and carbon loss. <i>Limnology and Oceanography</i> , 2018, 63, 22-36.	3.1	34
14	Increased resource use efficiency amplifies positive response of aquatic primary production to experimental warming. <i>Global Change Biology</i> , 2018, 24, 1069-1084.	9.5	38
15	Nutrients and temperature additively increase stream microbial respiration. <i>Global Change Biology</i> , 2018, 24, e233-e247.	9.5	37
16	Shifts in community size structure drive temperature invariance of secondary production in a stream-warming experiment. <i>Ecology</i> , 2017, 98, 1797-1806.	3.2	23
17	Experimental nutrient enrichment of forest streams increases energy flow to predators along greener food web pathways. <i>Freshwater Biology</i> , 2017, 62, 1794-1805.	2.4	25
18	Experimental whole-stream warming alters community size structure. <i>Global Change Biology</i> , 2017, 23, 2618-2628.	9.5	37

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19	Warming alters coupled carbon and nutrient cycles in experimental streams. <i>Global Change Biology</i> , 2016, 22, 2152-2164.	9.5	43
20	Convergence of detrital stoichiometry predicts thresholds of nutrient-stimulated breakdown in streams. <i>Ecological Applications</i> , 2016, 26, 1745-1757.	3.8	39
21	Salamander growth rates increase along an experimental stream phosphorus gradient. <i>Ecology</i> , 2015, 96, 2994-3004.	3.2	13
22	Low-to-moderate nitrogen and phosphorus concentrations accelerate microbially driven litter breakdown rates. <i>Ecological Applications</i> , 2015, 25, 856-865.	3.8	60
23	Experimental nutrient additions accelerate terrestrial carbon loss from stream ecosystems. <i>Science</i> , 2015, 347, 1142-1145.	12.6	208
24	Does N ₂ fixation amplify the temperature dependence of ecosystem metabolism?. <i>Ecology</i> , 2015, 96, 603-610.	3.2	53
25	Detrital stoichiometry as a critical nexus for the effects of streamwater nutrients on leaf litter breakdown rates. <i>Ecology</i> , 2015, 96, 2214-2224.	3.2	59
26	Interactions between temperature and nutrients across levels of ecological organization. <i>Global Change Biology</i> , 2015, 21, 1025-1040.	9.5	210
27	Seasonal changes in light availability modify the temperature dependence of ecosystem metabolism in an arctic stream. <i>Ecology</i> , 2014, 95, 2826-2839.	3.2	47
28	Climate change and geothermal ecosystems: natural laboratories, sentinel systems, and future refugia. <i>Global Change Biology</i> , 2014, 20, 3291-3299.	9.5	92
29	Temperature and nutrient availability interact to mediate growth and body stoichiometry in a detritivorous stream insect. <i>Freshwater Biology</i> , 2013, 58, 1820-1830.	2.4	38
30	An expanded role for river networks. <i>Nature Geoscience</i> , 2012, 5, 678-679.	12.9	151
31	Impacts of Warming on the Structure and Functioning of Aquatic Communities. <i>Advances in Ecological Research</i> , 2012, 47, 81-176.	2.7	106
32	Effects of organic matter availability on the life history and production of a top vertebrate predator (Plethodontidae: <i>Gyrinophilus palleucus</i>) in two cave streams. <i>Freshwater Biology</i> , 2011, 56, 1746-1760.	2.4	38
33	Extreme seasonality of litter breakdown in an arctic spring-fed stream is driven by shredder phenology, not temperature. <i>Freshwater Biology</i> , 2011, 56, 2034-2044.	2.4	21
34	Ecosystem and physiological scales of microbial responses to nutrients in a detritus-based stream: Results of a 5-year continuous enrichment. <i>Limnology and Oceanography</i> , 2010, 55, 149-160.	3.1	108
35	Ecological Networks in a Changing Climate. <i>Advances in Ecological Research</i> , 2010, , 71-138.	2.7	110
36	Nutrient enrichment alters storage and fluxes of detritus in a headwater stream ecosystem. <i>Ecology</i> , 2009, 90, 2556-2566.	3.2	85

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37	TESTING ISOSOURCE: STABLE ISOTOPE ANALYSIS OF A TROPICAL FISHERY WITH DIVERSE ORGANIC MATTER SOURCES. <i>Ecology</i> , 2006, 87, 326-333.	3.2	113
38	Threshold elemental ratios of carbon and phosphorus in aquatic consumers. <i>Ecology Letters</i> , 2006, 9, 774-779.	6.4	284
39	Ecological stoichiometry in freshwater benthic systems: recent progress and perspectives. <i>Freshwater Biology</i> , 2005, 50, 1895-1912.	2.4	353
40	Effects of labile carbon addition on a headwater stream food web. <i>Limnology and Oceanography</i> , 2005, 50, 1300-1312.	3.1	41
41	Deforestation alters the resource base and biomass of endemic stream insects in eastern Madagascar. <i>Freshwater Biology</i> , 2004, 49, 490-501.	2.4	65
42	Effects of nutrient enrichment on the decomposition of wood and associated microbial activity in streams. <i>Freshwater Biology</i> , 2004, 49, 1437-1447.	2.4	114
43	Consumer-resource stoichiometry in detritus-based streams. <i>Ecology Letters</i> , 2003, 6, 721-732.	6.4	284
44	Benthic Community Structure and Invertebrate Drift in a Pacific Island Stream, Kosrae, Micronesia ¹ . <i>Biotropica</i> , 2003, 35, 125-130.	1.6	58
45	RELATIONSHIPS OF STREAM INVERTEBRATE COMMUNITIES TO DEFORESTATION IN EASTERN MADAGASCAR. , 2003, 13, 1473-1490.		80
46	Diet, activity patterns, foraging movement and responses to deforestation of the aquatic tenrec <i>Limnogale mergulus</i> (Lipotyphla: Tenrecidae) in eastern Madagascar. <i>Journal of Zoology</i> , 2001, 254, 119-129.	1.7	11
47	EFFECTS OF A LOW-HEAD DAM AND WATER ABSTRACTION ON MIGRATORY TROPICAL STREAM BIOTA. , 1999, 9, 656-668.		179