

# 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  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological stoichiometry in freshwater benthic systems: recent progress and perspectives. <i>Freshwater Biology</i> , 2005, 50, 1895-1912.	2.4	353
2	Consumer-resource stoichiometry in detritus-based streams. <i>Ecology Letters</i> , 2003, 6, 721-732.	6.4	284
3	Threshold elemental ratios of carbon and phosphorus in aquatic consumers. <i>Ecology Letters</i> , 2006, 9, 774-779.	6.4	284
4	Interactions between temperature and nutrients across levels of ecological organization. <i>Global Change Biology</i> , 2015, 21, 1025-1040.	9.5	210
5	Experimental nutrient additions accelerate terrestrial carbon loss from stream ecosystems. <i>Science</i> , 2015, 347, 1142-1145.	12.6	208
6	EFFECTS OF A LOW-HEAD DAM AND WATER ABSTRACTION ON MIGRATORY TROPICAL STREAM BIOTA. , 1999, 9, 656-668.		179
7	An expanded role for river networks. <i>Nature Geoscience</i> , 2012, 5, 678-679.	12.9	151
8	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
9	TESTING ISOSOURCE: STABLE ISOTOPE ANALYSIS OF A TROPICAL FISHERY WITH DIVERSE ORGANIC MATTER SOURCES. <i>Ecology</i> , 2006, 87, 326-333.	3.2	113
10	Ecological Networks in a Changing Climate. <i>Advances in Ecological Research</i> , 2010, , 71-138.	2.7	110
11	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
12	Impacts of Warming on the Structure and Functioning of Aquatic Communities. <i>Advances in Ecological Research</i> , 2012, 47, 81-176.	2.7	106
13	Climate change and geothermal ecosystems: natural laboratories, sentinel systems, and future refugia. <i>Global Change Biology</i> , 2014, 20, 3291-3299.	9.5	92
14	Nutrient enrichment alters storage and fluxes of detritus in a headwater stream ecosystem. <i>Ecology</i> , 2009, 90, 2556-2566.	3.2	85
15	RELATIONSHIPS OF STREAM INVERTEBRATE COMMUNITIES TO DEFORESTATION IN EASTERN MADAGASCAR. , 2003, 13, 1473-1490.		80
16	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
17	Low-to-moderate nitrogen and phosphorus concentrations accelerate microbially driven litter breakdown rates. <i>Ecological Applications</i> , 2015, 25, 856-865.	3.8	60
18	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

#	ARTICLE	IF	CITATIONS
19	Benthic Community Structure and Invertebrate Drift in a Pacific Island Stream, Kosrae, Micronesia I. <i>Biotropica</i> , 2003, 35, 125-130.	1.6	58
20	Does N <sub>2</sub> fixation amplify the temperature dependence of ecosystem metabolism?. <i>Ecology</i> , 2015, 96, 603-610.	3.2	53
21	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
22	Warming alters coupled carbon and nutrient cycles in experimental streams. <i>Global Change Biology</i> , 2016, 22, 2152-2164.	9.5	43
23	Effects of labile carbon addition on a headwater stream food web. <i>Limnology and Oceanography</i> , 2005, 50, 1300-1312.	3.1	41
24	Convergence of detrital stoichiometry predicts thresholds of nutrient-stimulated breakdown in streams. <i>Ecological Applications</i> , 2016, 26, 1745-1757.	3.8	39
25	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
26	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
27	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
28	Experimental whole-stream warming alters community size structure. <i>Global Change Biology</i> , 2017, 23, 2618-2628.	9.5	37
29	Nutrients and temperature additively increase stream microbial respiration. <i>Global Change Biology</i> , 2018, 24, e233-e247.	9.5	37
30	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
31	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
32	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
33	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
34	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
35	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
36	Salamander growth rates increase along an experimental stream phosphorus gradient. <i>Ecology</i> , 2015, 96, 2994-3004.	3.2	13

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37	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
38	Resource supply governs the apparent temperature dependence of animal production in stream ecosystems. <i>Ecology Letters</i> , 2020, 23, 1809-1819.	6.4	12
39	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
40	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
41	Ignoring temperature variation leads to underestimation of the temperature sensitivity of plant litter decomposition. <i>Ecosphere</i> , 2020, 11, e03050.	2.2	8
42	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
43	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
44	Decomposing decomposition: isolating direct effects of temperature from other drivers of detrital processing. <i>Ecology</i> , 2021, 102, e03467.	3.2	5
45	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
46	Contrasting responses of black fly species (Diptera: Simuliidae) to experimental whole-stream warming. <i>Freshwater Biology</i> , 2020, 65, 1793-1805.	2.4	3
47	Combined carbon flows through detritus, microbes, and animals in reference and experimentally enriched stream ecosystems. <i>Ecology</i> , 2021, 102, e03279.	3.2	3