

# Justin N Murdock

## List of Publications by Year in descending order

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18  
papers

569  
citations

933447

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940533

16  
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docs citations

18  
times ranked

838  
citing authors

#	ARTICLE	IF	CITATIONS
1	FT-IR Microspectroscopy Enhances Biological and Ecological Analysis of Algae. <i>Applied Spectroscopy Reviews</i> , 2009, 44, 335-361.	6.7	172
2	The saturation of N cycling in Central Plains streams: 15N experiments across a broad gradient of nitrate concentrations. <i>Biogeochemistry</i> , 2007, 84, 31-49.	3.5	133
3	LINKING BENTHIC ALGAL BIOMASS TO STREAM SUBSTRATUM TOPOGRAPHY. <i>Journal of Phycology</i> , 2007, 43, 449-460.	2.3	80
4	Consumer return chronology alters recovery trajectory of stream ecosystem structure and function following drought. <i>Ecology</i> , 2010, 91, 1048-1062.	3.2	33
5	Nutrient loading and grazing by the minnow <i>Phoxinus erythrogaster</i> shift periphyton abundance and stoichiometry in mesocosms. <i>Freshwater Biology</i> , 2011, 56, 1133-1146.	2.4	28
6	Periphyton responses to nutrient and atrazine mixtures introduced through agricultural runoff. <i>Ecotoxicology</i> , 2013, 22, 215-230.	2.4	25
7	Dynamic influences of nutrients and grazing fish on periphyton during recovery from flood. <i>Journal of the North American Benthological Society</i> , 2011, 30, 331-345.	3.1	19
8	Subcellular localized chemical imaging of benthic algal nutritional content via HgCdTe array FT-IR. <i>Vibrational Spectroscopy</i> , 2008, 48, 179-188.	2.2	15
9	Macromolecular Response of Individual Algal Cells to Nutrient and Atrazine Mixtures within Biofilms. <i>Microbial Ecology</i> , 2012, 63, 761-772.	2.8	13
10	Stoichiometric Ecotoxicology for a Multisubstance World. <i>BioScience</i> , 2021, 71, 132-147.	4.9	12
11	Declining phosphorus as a potential driver for the onset of <i>Didymosphenia geminata</i> mats in North American rivers. <i>River Research and Applications</i> , 2018, 34, 1105-1110.	1.7	10
12	Water depth influences algal distribution and productivity in shallow agricultural lakes. <i>Ecohydrology</i> , 2021, 14, e2319.	2.4	10
13	<i>Didymosphenia geminata</i> habitat requirements are unique and variable for cell establishment and mat accumulation. <i>Hydrobiologia</i> , 2019, 828, 147-164.	2.0	8
14	Responses of <i>Hyalella azteca</i> and phytoplankton to a simulated agricultural runoff event in a managed backwater wetland. <i>Chemosphere</i> , 2012, 87, 684-691.	8.2	6
15	Influence of macroconsumers, stream position, and nutrient gradients on invertebrate assemblage development following flooding in intermittent prairie streams. <i>Hydrobiologia</i> , 2013, 714, 169-182.	2.0	3
16	Sediment Nutrient Flux Rates in a Shallow, Turbid Lake Are More Dependent on Water Quality Than Lake Depth. <i>Water (Switzerland)</i> , 2021, 13, 1344.	2.7	2
17	Detecting carbon uptake and cellular allocation by individual algae in multispecies assemblages. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 124-137.	2.0	0
18	Exclusion size and material have minimal effects on stream benthic algae and macroinvertebrate colonization within submerged cages. <i>Aquatic Ecology</i> , 2017, 51, 545-556.	1.5	0