

Amy M Marcarelli

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,584
citations

394390

19
h-index

315719

38
g-index

51
all docs

51
docs citations

51
times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen fixation: A poorly understood process along the freshwater-marine continuum. <i>Limnology and Oceanography Letters</i> , 2022, 7, 1-10.	3.9	22
2	Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	12
3	Classification of Eurasian Watermilfoil (<i>Myriophyllum spicatum</i>) Using Drone-Enabled Multispectral Imagery Analysis. <i>Remote Sensing</i> , 2022, 14, 2336.	4.0	2
4	Environmental factors and thresholds for nitrogen fixation by phytoplankton in tropical reservoirs. <i>International Review of Hydrobiology</i> , 2021, 106, 5-17.	0.9	8
5	Rebuild the Academy: Supporting academic mothers during COVID-19 and beyond. <i>PLoS Biology</i> , 2021, 19, e3001100.	5.6	67
6	Nutrient limitation of algae and macrophytes in streams: Integrating laboratory bioassays, field experiments, and field data. <i>PLoS ONE</i> , 2021, 16, e0252904.	2.5	6
7	Reverberating effects of resource exchanges in stream-riparian food webs. <i>Oecologia</i> , 2020, 192, 179-189.	2.0	12
8	Magnitude and Direction of Stream-Forest Community Interactions Change with Time Scale. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01715.	0.2	1
9	Increasing ground-layer plant taxonomic diversity masks declining phylogenetic diversity along a silvicultural disturbance gradient. <i>Canadian Journal of Forest Research</i> , 2020, 50, 1259-1267.	1.7	6
10	Effects of Invasive Watermilfoil on Primary Production in Littoral Zones of North-Temperate Lakes. <i>Diversity</i> , 2020, 12, 82.	1.7	3
11	Magnitude and direction of stream-forest community interactions change with timescale. <i>Ecology</i> , 2020, 101, e03064.	3.2	22
12	Climate, snowmelt dynamics and atmospheric deposition interact to control dissolved organic carbon export from a northern forest stream over 26 years. <i>Environmental Research Letters</i> , 2020, 15, 104034.	5.2	15
13	Year-round measurements reveal seasonal drivers of nutrient uptake in a snowmelt-driven headwater stream. <i>Freshwater Science</i> , 2019, 38, 156-169.	1.8	7
14	Invasive <i>Myriophyllum spicatum</i> and nutrients interact to influence algal assemblages. <i>Aquatic Botany</i> , 2019, 156, 1-9.	1.6	2
15	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. <i>Science Advances</i> , 2019, 5, eaav0486.	10.3	133
16	Of Small Streams and Great Lakes: Integrating Tributaries to Understand the Ecology and Biogeochemistry of Lake Superior. <i>Journal of the American Water Resources Association</i> , 2019, 55, 442-458.	2.4	15
17	Multiscale collection and analysis of submerged aquatic vegetation spectral profiles for Eurasian watermilfoil detection. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	1.3	10
18	Co-occurrence of in-stream nitrogen fixation and denitrification across a nitrogen gradient in a western U.S. watershed. <i>Biogeochemistry</i> , 2018, 139, 179-195.	3.5	11

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19	Evaluating the Effects of Culvert Designs on Ecosystem Processes in Northern Wisconsin Streams. <i>River Research and Applications</i> , 2017, 33, 777-787.	1.7	5
20	Nitrogen Transformations. , 2017, , 173-196.		4
21	Nutrient release from moose bioturbation in aquatic ecosystems. <i>Oikos</i> , 2017, 126, 389-397.	2.7	13
22	Ionic Liquid Extraction Unveils Previously Occluded Humicâ€Bound Iron in Peat Soil Pore Water. <i>Soil Science Society of America Journal</i> , 2016, 80, 771-782.	2.2	7
23	Temporal patterns of dissolved organic matter biodegradability are similar across three rivers of varying size. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1617-1631.	3.0	20
24	Uptake of ammonium and soluble reactive phosphorus in forested streams: influence of dissolved organic matter composition. <i>Biogeochemistry</i> , 2016, 131, 355-372.	3.5	5
25	Stream-Lake Interaction. , 2016, , 321-348.		17
26	Effects of experimentally added salmon subsidies on resident fishes via direct and indirect pathways. <i>Ecosphere</i> , 2016, 7, e01248.	2.2	37
27	Sand aggradation alters biofilm standing crop and metabolism in a low-gradient Lake Superior tributary. <i>Journal of Great Lakes Research</i> , 2015, 41, 1052-1059.	1.9	6
28	Ammonium and glucose amendments stimulate dissolved organic matter mineralization in a Lake Superior tributary. <i>Journal of Great Lakes Research</i> , 2015, 41, 801-807.	1.9	13
29	A Critical Assessment of the Ecological Assumptions Underpinning Compensatory Mitigation of Salmon-Derived Nutrients. <i>Environmental Management</i> , 2015, 56, 571-586.	2.7	24
30	Biofilm nutrient limitation, metabolism, and standing crop responses to experimental application of salmon carcass analog in Idaho streams. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 1796-1804.	1.4	11
31	Evaluation of a combined macrophyteâ€epiphyte bioassay for assessing nutrient enrichment in the Portneuf River, Idaho, USA. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4081-4096.	2.7	3
32	Nutrient additions to mitigate for loss of Pacific salmon: consequences for stream biofilm and nutrient dynamics. <i>Ecosphere</i> , 2014, 5, 1-22.	2.2	17
33	An invasive riparian tree reduces stream ecosystem efficiency via a recalcitrant organic matter subsidy. <i>Ecology</i> , 2012, 93, 1501-1508.	3.2	51
34	Effects of N, P, and organic carbon on stream biofilm nutrient limitation and uptake in a semiâ€arid watershed. <i>Limnology and Oceanography</i> , 2012, 57, 1544-1554.	3.1	49
35	Cyanobacteria in Freshwater Benthic Environments. , 2012, , 271-289.		34
36	Quantity and quality: unifying food web and ecosystem perspectives on the role of resource subsidies in freshwaters. <i>Ecology</i> , 2011, 92, 1215-1225.	3.2	382

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37	Ecosystem Structure and Function are Complementary Measures of Water Quality in a Polluted, Spring-Influenced River. <i>Water, Air, and Soil Pollution</i> , 2011, 214, 409-421.	2.4	18
38	A Non-Native Riparian Tree (<i>Elaeagnus angustifolia</i>) Changes Nutrient Dynamics in Streams. <i>Ecosystems</i> , 2011, 14, 353-365.	3.4	53
39	Predicting effects of hydrologic alteration and climate change on ecosystem metabolism in a western U.S. river. <i>Ecological Applications</i> , 2010, 20, 2081-2088.	3.8	70
40	Nutrient limitation of biofilm biomass and metabolism in the Upper Snake River basin, southeast Idaho, USA. <i>Hydrobiologia</i> , 2009, 620, 63-76.	2.0	30
41	Nitrogen fixation varies spatially and seasonally in linked stream-lake ecosystems. <i>Biogeochemistry</i> , 2009, 94, 95-110.	3.5	32
42	Effects of temperature and concentration on nutrient release rates from nutrient diffusing substrates. <i>Journal of the North American Benthological Society</i> , 2008, 27, 52-57.	3.1	37
43	Is in-stream N ₂ fixation an important N source for benthic communities and stream ecosystems?. <i>Journal of the North American Benthological Society</i> , 2008, 27, 186-211.	3.1	58
44	Disruptions of stream sediment size and stability by lakes in mountain watersheds: potential effects on periphyton biomass. <i>Journal of the North American Benthological Society</i> , 2007, 26, 390-400.	3.1	20
45	Effects of upstream lakes and nutrient limitation on periphytic biomass and nitrogen fixation in oligotrophic, subalpine streams. <i>Freshwater Biology</i> , 2007, 52, 2211-2225.	2.4	57
46	Salinity controls phytoplankton response to nutrient enrichment in the Great Salt Lake, Utah, USA. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 2236-2248.	1.4	55
47	Temperature and nutrient supply interact to control nitrogen fixation in oligotrophic streams: An experimental examination. <i>Limnology and Oceanography</i> , 2006, 51, 2278-2289.	3.1	77
48	The importance of light and photoperiod in sexual reproduction and geographical distribution in the green snow alga, <i>Chloromonas</i> sp.-D (Chlorophyceae, Volvocales). <i>Hydrological Processes</i> , 2000, 14, 3309-3321.	2.6	21
49	High Daily and Year-Round Variability in Denitrification and Nitrogen Fixation in a Northern Temperate River. <i>Frontiers in Water</i> , 0, 4, .	2.3	2