

# Timothy J Hoellein

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

2,906  
citations

26  
h-index

53  
g-index

53  
ext. papers

3,750  
ext. citations

4.9  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
53	Microplastic is an abundant and distinct microbial habitat in an urban river. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11863-71	10.3	711
52	Microplastic in surface waters of urban rivers: concentration, sources, and associated bacterial assemblages. <i>Ecosphere</i> , <b>2016</b> , 7, e01556	3.1	251
51	Anthropogenic litter in urban freshwater ecosystems: distribution and microbial interactions. <i>PLoS ONE</i> , <b>2014</b> , 9, e98485	3.7	157
50	Microplastic Contamination in Karst Groundwater Systems. <i>Ground Water</i> , <b>2019</b> , 57, 189-196	2.4	139
49	Microplastic in riverine fish is connected to species traits. <i>Scientific Reports</i> , <b>2018</b> , 8, 11639	4.9	129
48	Revisiting Odum (1956): A synthesis of aquatic ecosystem metabolism. <i>Limnology and Oceanography</i> , <b>2013</b> , 58, 2089-2100	4.8	116
47	Bivalve Impacts in Freshwater and Marine Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2018</b> , 49, 183-208	13.5	96
46	A watershed-scale, citizen science approach to quantifying microplastic concentration in a mixed land-use river. <i>Water Research</i> , <b>2018</b> , 147, 382-392	12.5	89
45	The global odyssey of plastic pollution. <i>Science</i> , <b>2020</b> , 368, 1184-1185	33.3	88
44	Longitudinal patterns of microplastic concentration and bacterial assemblages in surface and benthic habitats of an urban river. <i>Freshwater Science</i> , <b>2017</b> , 36, 491-507	2	87
43	Microplastic deposition velocity in streams follows patterns for naturally occurring allochthonous particles. <i>Scientific Reports</i> , <b>2019</b> , 9, 3740	4.9	83
42	Controls on spatial and temporal variation of nutrient uptake in three Michigan headwater streams. <i>Limnology and Oceanography</i> , <b>2007</b> , 52, 1964-1977	4.8	75
41	Does mixing litter of different qualities alter stream microbial diversity and functioning on individual litter species?. <i>Oikos</i> , <b>2009</b> , 118, 457-463	4	62
40	Microplastic-Associated Biofilms: A Comparison of Freshwater and Marine Environments. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 181-201	0.8	60
39	Eastern oyster ( <i>Crassostrea virginica</i> ) filtration, biodeposition, and sediment nitrogen cycling at two oyster reefs with contrasting water quality in Great Bay Estuary (New Hampshire, USA). <i>Biogeochemistry</i> , <b>2015</b> , 122, 113-129	3.8	51
38	Responses in organic matter accumulation and processing to an experimental wood addition in three headwater streams. <i>Freshwater Biology</i> , <b>2008</b> , 53, 1642-1657	3.1	50
37	Sediment, water column, and open-channel denitrification in rivers measured using membrane-inlet mass spectrometry. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 1258-1274	3.7	50

36	Temporal variation in substratum-specific rates of N uptake and metabolism and their contribution at the stream-reach scale. <i>Journal of the North American Benthological Society</i> , <b>2009</b> , 28, 305-318		49
35	Response of secondary production by macroinvertebrates to large wood addition in three Michigan streams. <i>Freshwater Biology</i> , <b>2009</b> , 54, 1741-1758	3.1	45
34	Anthropogenic litter is abundant, diverse, and mobile in urban rivers: Insights from cross-ecosystem analyses using ecosystem and community ecology tools. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, 1718-1734	4.8	39
33	Effect of eastern oysters ( <i>Crassostrea virginica</i> ) on sediment carbon and nitrogen dynamics in an urban estuary <b>2014</b> , 24, 271-86		37
32	Abundance and environmental drivers of anthropogenic litter on 5 Lake Michigan beaches: A study facilitated by citizen science data collection. <i>Journal of Great Lakes Research</i> , <b>2015</b> , 41, 78-86	3	35
31	Seasonal variation in nutrient limitation of microbial biofilms colonizing organic and inorganic substrata in streams. <i>Hydrobiologia</i> , <b>2010</b> , 649, 331-345	2.4	33
30	Contributions of freshwater mussels (Unionidae) to nutrient cycling in an urban river: filtration, recycling, storage, and removal. <i>Biogeochemistry</i> , <b>2017</b> , 135, 307-324	3.8	32
29	Citizen science datasets reveal drivers of spatial and temporal variation for anthropogenic litter on Great Lakes beaches. <i>Science of the Total Environment</i> , <b>2017</b> , 577, 105-112	10.2	26
28	The invasive Asian clam ( <i>Corbicula fluminea</i> ) increases sediment denitrification and ammonium flux in 2 streams in the midwestern USA. <i>Freshwater Science</i> , <b>2015</b> , 34, 472-484	2	26
27	Effect of Eastern Oysters ( <i>Crassostrea virginica</i> ) and Seasonality on Nitrite Reductase Gene Abundance ( <i>nirS</i> , <i>nirK</i> , <i>nrfA</i> ) in an Urban Estuary. <i>Estuaries and Coasts</i> , <b>2016</b> , 39, 218-232	2.8	25
26	Macroinvertebrate secondary production in 3 forested streams of the upper Midwest, USA. <i>Journal of the North American Benthological Society</i> , <b>2007</b> , 26, 472-490		24
25	Wastewater treatment alters microbial colonization of microplastics. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244443	3.7	24
24	Spatial variability in nutrient concentration and biofilm nutrient limitation in an urban watershed. <i>Biogeochemistry</i> , <b>2011</b> , 106, 265-280	3.8	23
23	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115750	9.3	22
22	EFFECTS OF BENTHIC HABITAT RESTORATION ON NUTRIENT UPTAKE AND ECOSYSTEM METABOLISM IN THREE HEADWATER STREAMS. <i>River Research and Applications</i> , <b>2012</b> , 28, 1451-1461	2.3	20
21	The plastic cycle: a watershed-scale model of plastic pools and fluxes. <i>Frontiers in Ecology and the Environment</i> , <b>2021</b> , 19, 176-183	5.5	20
20	Eelgrass meadows, <i>Zostera marina</i> (L.), facilitate the ecosystem service of nitrogen removal during simulated nutrient pulses in Shinnecock Bay, New York, USA. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 124, 376-387	6.7	17
19	Habitat characteristics, temporal variability, and macroinvertebrate communities associated with a mat-forming nuisance diatom ( <i>Didymosphenia geminata</i> ) in Catskill mountain streams, New York. <i>Aquatic Sciences</i> , <b>2014</b> , 76, 553-564	2.5	16

18	Environmental drivers of leaf breakdown in an urban watershed. <i>Freshwater Science</i> , <b>2016</b> , 35, 311-323	2	15
17	Anthropogenic Litter Abundance and Accumulation Rates Point to Seasonal Litter Sources on a Great Lakes Beach. <i>Journal of Contemporary Water Research and Education</i> , <b>2017</b> , 160, 72-84	1.2	12
16	Wastewater influences nitrogen dynamics in a coastal catchment during a prolonged drought. <i>Limnology and Oceanography</i> , <b>2017</b> , 62, S239-S257	4.8	9
15	Are geothermal streams important sites of nutrient uptake in an agricultural and urbanising landscape (Rotorua, New Zealand)?. <i>Freshwater Biology</i> , <b>2012</b> , 57, 116-128	3.1	9
14	Microplastic selects for convergent microbiomes from distinct riverine sources. <i>Freshwater Science</i> , <b>2020</b> , 39, 281-291	2	9
13	Marsh Plants Enhance Coastal Marsh Resilience by Changing Sediment Oxygen and Sulfide Concentrations in an Urban, Eutrophic Estuary. <i>Estuaries and Coasts</i> , <b>2020</b> , 43, 801-813	2.8	8
12	The effect of floods on ecosystem metabolism in suburban streams. <i>Freshwater Science</i> , <b>2019</b> , 38, 412-424		7
11	Quantitative Food Webs Indicate Modest Increases in the Transfer of Allochthonous and Autochthonous C to Macroinvertebrates Following a Large Wood Addition to a Temperate Headwater Stream. <i>Frontiers in Ecology and Evolution</i> , <b>2020</b> , 8,	3.7	6
10	A fish tale: a century of museum specimens reveal increasing microplastic concentrations in freshwater fish. <i>Ecological Applications</i> , <b>2021</b> , 31, e02320	4.9	6
9	Size and density of upside-down jellyfish, <i>Cassiopea</i> sp., and their impact on benthic fluxes in a Caribbean lagoon. <i>Marine Environmental Research</i> , <b>2020</b> , 154, 104845	3.3	4
8	Ribbed mussels <i>Geukensia demissa</i> enhance nitrogen-removal services but not plant growth in restored eutrophic salt marshes. <i>Marine Ecology - Progress Series</i> , <b>2019</b> , 631, 67-80	2.6	3
7	Trash Dance: Anthropogenic Litter and Organic Matter Co-Accumulate on Urban Beaches. <i>Geosciences (Switzerland)</i> , <b>2020</b> , 10, 335	2.7	3
6	Microplastics in Invasive Freshwater Mussels ( <i>Dreissena</i> sp.): Spatiotemporal Variation and Occurrence With Chemical Contaminants. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	3
5	Characterizing lentic habitats in golf courses and adjacent green spaces: water quality, water chemistry, pesticide concentrations, and algal concentrations. <i>Journal of Freshwater Ecology</i> , <b>2020</b> , 35, 507-522	1.4	2
4	Microplastic accumulation in riverbed sediment via hyporheic exchange from headwaters to mainstems. <i>Science Advances</i> , <b>2022</b> , 8, eabi9305	14.3	2
3	Distribution and transport of microplastic and fine particulate organic matter in urban streams. <i>Ecological Applications</i> , <b>2021</b> , 31, e02429	4.9	1
2	Inputs, Occurrence and Effects of Pharmaceuticals and Microplastics in Freshwater Ecosystems <b>2021</b> ,		
1	Dynamics of large wood added to Midwestern USA streams. <i>River Research and Applications</i> , <b>2021</b> , 37, 843-857	2.3	

