

# Timothy J Hoellein

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6798380/timothy-j-hoellein-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 accumulation in riverbed sediment via hyporheic exchange from headwaters to mainstems.. <i>Science Advances</i> , <b>2022</b> , 8, eabi9305	14.3	2
52	Inputs, Occurrence and Effects of Pharmaceuticals and Microplastics in Freshwater Ecosystems <b>2021</b> ,		
51	Dynamics of large wood added to Midwestern USA streams. <i>River Research and Applications</i> , <b>2021</b> , 37, 843-857	2.3	
50	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
49	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
48	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
47	Wastewater treatment alters microbial colonization of microplastics. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244443	3.7	24
46	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
45	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
44	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
43	The global odyssey of plastic pollution. <i>Science</i> , <b>2020</b> , 368, 1184-1185	33.3	88
42	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
41	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
40	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
39	Microplastic selects for convergent microbiomes from distinct riverine sources. <i>Freshwater Science</i> , <b>2020</b> , 39, 281-291	2	9
38	Trash Dance: Anthropogenic Litter and Organic Matter Co-Accumulate on Urban Beaches. <i>Geosciences (Switzerland)</i> , <b>2020</b> , 10, 335	2.7	3
37	Microplastic Contamination in Karst Groundwater Systems. <i>Ground Water</i> , <b>2019</b> , 57, 189-196	2.4	139

36	The effect of floods on ecosystem metabolism in suburban streams. <i>Freshwater Science</i> , <b>2019</b> , 38, 412-424		7
35	Microplastic deposition velocity in streams follows patterns for naturally occurring allochthonous particles. <i>Scientific Reports</i> , <b>2019</b> , 9, 3740	4.9	83
34	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
33	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
32	Microplastic in riverine fish is connected to species traits. <i>Scientific Reports</i> , <b>2018</b> , 8, 11639	4.9	129
31	Microplastic-Associated Biofilms: A Comparison of Freshwater and Marine Environments. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 181-201	0.8	60
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	Microplastic in surface waters of urban rivers: concentration, sources, and associated bacterial assemblages. <i>Ecosphere</i> , <b>2016</b> , 7, e01556	3.1	251
22	Environmental drivers of leaf breakdown in an urban watershed. <i>Freshwater Science</i> , <b>2016</b> , 35, 311-323	2	15
21	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
20	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
19	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

18	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
17	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
16	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
15	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
14	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
13	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
12	Anthropogenic litter in urban freshwater ecosystems: distribution and microbial interactions. <i>PLoS ONE</i> , <b>2014</b> , 9, e98485	3.7	157
11	Revisiting Odum (1956): A synthesis of aquatic ecosystem metabolism. <i>Limnology and Oceanography</i> , <b>2013</b> , 58, 2089-2100	4.8	116
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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

