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List of Publications by Year
in descending order

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Version: 2024-02-01

40 papers	1,709 citations	361413 20 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	2404 citing authors

#	Article	IF	Citations
1	A new method for detecting and interpreting biodiversity and ecological community thresholds. Methods in Ecology and Evolution, 2010, 1, 25-37.	5.2	391
2	Thresholds, breakpoints, and nonlinearity in freshwaters as related to management. Journal of the North American Benthological Society, 2010, 29, 988-997.	3.1	157
3	How novel is too novel? Stream community thresholds at exceptionally low levels of catchment urbanization. , 2011, 21, 1659-1678.		136
4	Considerations for analyzing ecological community thresholds in response to anthropogenic environmental gradients. Journal of the North American Benthological Society, 2010, 29, 998-1008.	3.1	117
5	Threshold effects of coastal urbanization onPhragmites australis (common reed) abundance and foliar nitrogen in Chesapeake Bay. Estuaries and Coasts, 2007, 30, 469-481.	2.2	103
6	Freshwater eutrophication drives sharp reductions in temporal beta diversity. Ecology, 2018, 99, 47-56.	3.2	89
7	Watershed Land Use Is Strongly Linked to PCBs in White Perch in Chesapeake Bay Subestuaries. Environmental Science & Technology, 2004, 38, 6546-6552.	10.0	53
8	Nonlinear response of stream ecosystem structure to lowâ€level phosphorus enrichment. Freshwater Biology, 2014, 59, 969-984.	2.4	52
9	Of TITAN and straw men: an appeal for greater understanding of community data. Freshwater Science, 2013, 32, 489-506.	1.8	51
10	Nitrogen fixation and phosphatase activity in periphyton growing on nutrient diffusing substrata: evidence for differential nutrient limitation in stream periphyton. Journal of the North American Benthological Society, 2009, 28, 57-68.	3.1	45
11	Subsidyâ€“stress response of macroinvertebrate community biomass to a phosphorus gradient in an oligotrophic wetland ecosystem. Journal of the North American Benthological Society, 2007, 26, 491-508.	3.1	43
12	Alder cover drives nitrogen availability in Kenai lowland headwater streams, Alaska. Biogeochemistry, 2012, 107, 135-148.	3.5	40
13	Multiscale Environmental Influences on Fish Assemblage Structure in Central Texas Streams. Transactions of the American Fisheries Society, 2011, 140, 1409-1427.	1.4	39
14	Ecoregional, catchment, and reach-scale environmental factors shape functional-trait structure of stream fish assemblages. Hydrobiologia, 2015, 753, 265-283.	2.0	38
15	Microbial Community Structure and Function Decoupling Across a Phosphorus Gradient in Streams. Microbial Ecology, 2018, 75, 64-73.	2.8	33
16	Effects of pulsed atrazine exposures on autotrophic community structure, biomass, and production in fieldâ€based stream mesocosms. Environmental Toxicology and Chemistry, 2016, 35, 660-675.	4.3	30
17	Titanium dioxide nanoparticle exposure reduces algal biomass and alters algal assemblage composition in wastewater effluent-dominated stream mesocosms. Science of the Total Environment, 2018, 626, 357-365.	8.0	25
18	Landscape and Wetland Influences on Headwater Stream Chemistry in the Kenai Lowlands, Alaska. Wetlands, 2012, 32, 301-310.	1.5	23

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19	Linking the Abundance of Estuarine Fish and Crustaceans in Nearshore Waters to Shoreline Hardening and Land Cover. Estuaries and Coasts, 2017, 40, 1464-1486.	2.2	23
20	Controls on Temperature in Salmonidâ€Bearing Headwater Streams in Two Common Hydrogeologic Settings, Kenai Peninsula, Alaska. Journal of the American Water Resources Association, 2015, 51, 84-98.	2.4	21
21	Spatial, temporal and experimental: Three study design cornerstones for establishing defensible numeric criteria in freshwater ecosystems. Journal of Applied Ecology, 2018, 55, 2114-2123.	4.0	21
22	Divergent responses of biomass and enzyme activities suggest differential nutrient limitation in stream periphyton. Freshwater Science, 2012, 31, 1096-1104.	1.8	19
23	Grazing minnows increase benthic autotrophy and enhance the response of periphyton elemental composition to experimental phosphorus additions. Freshwater Science, 2012, 31, 451-462.	1.8	17
24	Lowâ€level addition of dissolved organic carbon increases basal ecosystem function in a boreal headwater stream. Ecosphere, 2017, 8, e01739.	2.2	17
25	Fish-mediated nutrient cycling and benthic microbial processes: can consumers influence stream nutrient cycling at multiple spatial scales?. Freshwater Science, 2012, 31, 928-944.	1.8	15
26	Genetic Analysis Reveals Dispersal of Florida Bass Haplotypes from Reservoirs to Rivers in Central Texas. Transactions of the American Fisheries Society, 2012, 141, 1269-1273.	1.4	14
27	Coupling Fish Community Structure with Instream Flow and Habitat Connectivity between Two Hydrologically Extreme Years. Transactions of the American Fisheries Society, 2012, 141, 1000-1015.	1.4	14
28	Periphyton, bivalves and fish differentially accumulate select pharmaceuticals in effluent-dependent stream mesocosms. Science of the Total Environment, 2020, 745, 140882.	8.0	14
29	Nitrogen Subsidies from Hillslope Alder Stands to Streamside Wetlands and Headwater Streams, Kenai Peninsula, Alaska. Journal of the American Water Resources Association, 2017, 53, 478-492.	2.4	13
30	Leaf litter identity alters the timing of lotic nutrient dynamics. Freshwater Biology, 2019, 64, 2247-2259.	2.4	13
31	Multiple Scales of Influence on Wetland Vegetation Associated with Headwater Streams in Alaska, USA. Wetlands, 2012, 32, 411-422.	1.5	10
32	Effects of stream velocity and phosphorus concentrations on alkaline phosphatase activity and carbon:phosphorus ratios in periphyton. Hydrobiologia, 2019, 826, 173-182.	2.0	10
33	Lowâ€level dissolved organic carbon subsidies drive a trophic upsurge in a boreal stream. Freshwater Biology, 2020, 65, 920-934.	2.4	6
34	A Metagenome-Based Investigation of Gene Relationships for Non-Substrate-Associated Microbial Phosphorus Cycling in the Water Column of Streams and Rivers. Microbial Ecology, 2018, 76, 856-865.	2.8	5
35	From a line in the sand to a landscape of decisions: a hierarchical diversity decision framework for estimating and communicating biodiversity loss along anthropogenic gradients. Methods in Ecology and Evolution, 2015, 6, 795-805.	5.2	4
36	Response to Comment on â€œEstimating Ecological Thresholds for Phosphorus in the Evergladesâ€• Environmental Science & Technology, 2008, 42, 6772-6773.	10.0	3

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37	Thermal Tolerance, Survival, and Recruitment of Cyprinids Exposed to Competition and Chronic Heat Stress in Experimental Streams. Transactions of the American Fisheries Society, 2014, 143, 1028-1036.	1.4	1
38	A Primer on Sampling Plant Communities in Wetlands. Soil Science Society of America Book Series, 2015, , 197-223.	0.3	1
39	Regional, seasonal and age class blubber fatty acid signature analysis of harbour seals in Alaska from 1997 to 2010. , 2021, 9, .		1
40	Compensatory dynamics of lotic algae break down nonlinearly with increasing nutrient enrichment. Ecology, 2022, 103, e3613.	3.2	1