

# Daniel Graeber

## List of Publications by Year in Descending Order

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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.

48  
papers

2,109  
citations

22  
h-index

45  
g-index

62  
ext. papers

2,782  
ext. citations

6  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
48	Effects of DOC addition from different sources on phytoplankton community in a temperate eutrophic lake: An experimental study exploring lake compartments. <i>Science of the Total Environment</i> , <b>2022</b> , 803, 150049	10.2	1
47	Carbon limitation may override fine-sediment induced alterations of hyporheic nitrogen and phosphorus dynamics.. <i>Science of the Total Environment</i> , <b>2022</b> , 837, 155689	10.2	0
46	Transit-Time and Temperature Control the Spatial Patterns of Aerobic Respiration and Denitrification in the Riparian Zone. <i>Water Resources Research</i> , <b>2021</b> , 57, e2021WR030117	5.4	1
45	Assessing inputs of aquaculture-derived nutrients to streams using dissolved organic matter fluorescence. <i>Science of the Total Environment</i> , <b>2021</b> , 807, 150785	10.2	0
44	Complex interactions of in-stream dissolved organic matter and nutrient spiralling unravelled by Bayesian regression analysis. <i>Biogeosciences</i> , <b>2021</b> , 18, 3103-3122	4.6	4
43	Disentangling multiple chemical and non-chemical stressors in a lotic ecosystem using a longitudinal approach. <i>Science of the Total Environment</i> , <b>2021</b> , 769, 144324	10.2	7
42	Bioavailable DOC: reactive nutrient ratios control heterotrophic nutrient assimilation. An experimental proof of the macronutrient-access hypothesis. <i>Biogeochemistry</i> , <b>2021</b> , 155, 1-20	3.8	4
41	Available Dissolved Organic Carbon Alters Uptake and Recycling of Phosphorus and Nitrogen from River Sediments. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 3321	3	4
40	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1060-1068	12.3	126
39	Effects of low flow and co-occurring stressors on structural and functional characteristics of the benthic biofilm in small streams. <i>Science of the Total Environment</i> , <b>2020</b> , 733, 139331	10.2	4
38	Influence of Farming Intensity and Climate on Lowland Stream Nitrogen. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1021	3	6
37	Controls of point and diffuse sources lowered riverine nutrient concentrations asynchronously, thereby warping molar N:P ratios. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 104009	6.2	5
36	Biofilm-specific uptake does not explain differences in whole-stream DOC tracer uptake between a forest and an agricultural stream. <i>Biogeochemistry</i> , <b>2019</b> , 144, 85-101	3.8	4
35	Multi-decadal trajectories of phosphorus loading, export, and instream retention along a catchment gradient. <i>Science of the Total Environment</i> , <b>2019</b> , 667, 769-779	10.2	8
34	Dissolved organic matter characteristics of deciduous and coniferous forests with variable management: different at the source, aligned in the soil. <i>Biogeosciences</i> , <b>2019</b> , 16, 1411-1432	4.6	32
33	Management Options to Reduce Phosphorus Leaching from Vegetated Buffer Strips. <i>Journal of Environmental Quality</i> , <b>2019</b> , 48, 322-329	3.4	11
32	staRdom: Versatile Software for Analyzing Spectroscopic Data of Dissolved Organic Matter in R. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2366	3	38

31	Balancing macronutrient stoichiometry to alleviate eutrophication. <i>Science of the Total Environment</i> , <b>2018</b> , 634, 439-447	10.2	34
30	Going with the flow: Planktonic processing of dissolved organic carbon in streams. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 519-530	10.2	7
29	Consumer-resource stoichiometry as a predictor of trophic discrimination ( $\delta^{13}C$ , $\delta^{15}N$ ) in aquatic invertebrates. <i>Freshwater Biology</i> , <b>2018</b> , 63, 1240-1249	3.1	14
28	Assessing net-uptake of nitrate and natural dissolved organic matter fractions in a revitalized lowland stream reach. <i>Limnologica</i> , <b>2018</b> , 68, 82-91	2	4
27	Land-based salmon aquacultures change the quality and bacterial degradation of riverine dissolved organic matter. <i>Scientific Reports</i> , <b>2017</b> , 7, 43739	4.9	24
26	Responses of benthic algal communities and their traits to experimental changes in fine sediments, nutrients and flow. <i>Freshwater Biology</i> , <b>2017</b> , 62, 1539-1550	3.1	18
25	Multiple stress response of lowland stream benthic macroinvertebrates depends on habitat type. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 1517-1523	10.2	25
24	Environmental and spatial controls of taxonomic versus trait composition of stream biota. <i>Freshwater Biology</i> , <b>2017</b> , 62, 397-413	3.1	50
23	Strong linkages between DOM optical properties and main clades of aquatic bacteria. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, 906-918	4.8	61
22	Urbanization and agriculture increase exports and differentially alter elemental stoichiometry of dissolved organic matter (DOM) from tropical catchments. <i>Science of the Total Environment</i> , <b>2016</b> , 550, 785-792	10.2	31
21	Fast-freezing with liquid nitrogen preserves bulk dissolved organic matter concentrations, but not its composition. <i>Biogeosciences</i> , <b>2016</b> , 13, 4697-4705	4.6	12
20	Dissolved nutrient exports from natural and human-impacted Neotropical catchments. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 378-390	6.1	23
19	Meander reconnection method determines restoration success for macroinvertebrate communities in a German lowland river. <i>International Review of Hydrobiology</i> , <b>2016</b> , 101, 123-131	2.3	9
18	Trait Characteristics Determine Pyrethroid Sensitivity in Nonstandard Test Species of Freshwater Macroinvertebrates: A Reality Check. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4971-8	10.3	32
17	Comparison of organic matter composition in agricultural versus forest affected headwaters with special emphasis on organic nitrogen. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2081-90	10.3	56
16	Tracing dissolved organic matter (DOM) from land-based aquaculture systems in North Patagonian streams. <i>Science of the Total Environment</i> , <b>2015</b> , 537, 129-38	10.2	51
15	Global effects of agriculture on fluvial dissolved organic matter. <i>Scientific Reports</i> , <b>2015</b> , 5, 16328	4.9	59
14	Growth response of four freshwater algal species to dissolved organic nitrogen of different concentration and complexity. <i>Freshwater Biology</i> , <b>2015</b> , 60, 1613-1621	3.1	15

13	Monitoring strategies of stream phosphorus under contrasting climate-driven flow regimes. <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 4099-4111	5.5	14
12	Interacting effects of climate and agriculture on fluvial DOM in temperate and subtropical catchments. <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 2377-2394	5.5	25
11	Hydrological transitions drive dissolved organic matter quantity and composition in a temporary Mediterranean stream. <i>Biogeochemistry</i> , <b>2015</b> , 123, 429-446	3.8	37
10	Does filter type and pore size influence spectroscopic analysis of freshwater chromophoric DOM composition?. <i>Limnologia</i> , <b>2014</b> , 48, 57-64	2	22
9	Fast reaction of macroinvertebrate communities to stagnation and drought in streams with contrasting nutrient availability. <i>Freshwater Science</i> , <b>2014</b> , 33, 847-859	2	20
8	Land-use impacts on fatty acid profiles of suspended particulate organic matter along a larger tropical river. <i>Science of the Total Environment</i> , <b>2014</b> , 482-483, 62-70	10.2	30
7	Fluorescence spectroscopy and multi-way techniques. PARAFAC. <i>Analytical Methods</i> , <b>2013</b> , 5, 6557	3.2	862
6	Cascading effects of flow reduction on the benthic invertebrate community in a lowland river. <i>Hydrobiologia</i> , <b>2013</b> , 717, 147-159	2.4	28
5	Agriculture has changed the amount and composition of dissolved organic matter in Central European headwater streams. <i>Science of the Total Environment</i> , <b>2012</b> , 438, 435-46	10.2	175
4	Technical Note: Comparison between a direct and the standard, indirect method for dissolved organic nitrogen determination in freshwater environments with high dissolved inorganic nitrogen concentrations. <i>Biogeosciences</i> , <b>2012</b> , 9, 4873-4884	4.6	22
3	Dialysis is superior to anion exchange for removal of dissolved inorganic nitrogen from freshwater samples prior to dissolved organic nitrogen determination. <i>Environmental Chemistry</i> , <b>2012</b> , 9, 529	3.2	7
2	Contraction, fragmentation and expansion dynamics determine nutrient availability in a Mediterranean forest stream. <i>Aquatic Sciences</i> , <b>2011</b> , 73, 485-497	2.5	78
1	Phosphorus dynamics in lowland streams as a response to climatic, hydrological and agricultural land use gradients		7