Daniel Graeber

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1596251/publications.pdf

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49 papers	3,436 citations	257357 24 h-index	206029 48 g-index
62 all docs	62 docs citations	62 times ranked	4300 citing authors

#	Article	IF	Citations
1	Fluorescence spectroscopy and multi-way techniques. PARAFAC. Analytical Methods, 2013, 5, 6557.	1.3	1,349
2	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. Nature Ecology and Evolution, 2020, 4, 1060-1068.	3.4	336
3	Agriculture has changed the amount and composition of dissolved organic matter in Central European headwater streams. Science of the Total Environment, 2012, 438, 435-446.	3.9	236
4	Strong linkages between DOM optical properties and main clades of aquatic bacteria. Limnology and Oceanography, 2016, 61, 906-918.	1.6	117
5	staRdom: Versatile Software for Analyzing Spectroscopic Data of Dissolved Organic Matter in R. Water (Switzerland), 2019, 11, 2366.	1.2	110
6	Contraction, fragmentation and expansion dynamics determine nutrient availability in a Mediterranean forest stream. Aquatic Sciences, 2011, 73, 485-497.	0.6	89
7	Global effects of agriculture on fluvial dissolved organic matter. Scientific Reports, 2015, 5, 16328.	1.6	81
8	Comparison of Organic Matter Composition in Agricultural versus Forest Affected Headwaters with Special Emphasis on Organic Nitrogen. Environmental Science & Technology, 2015, 49, 2081-2090.	4.6	73
9	Environmental and spatial controls of taxonomic versus trait composition of stream biota. Freshwater Biology, 2017, 62, 397-413.	1.2	73
10	Balancing macronutrient stoichiometry to alleviate eutrophication. Science of the Total Environment, 2018, 634, 439-447.	3.9	72
11	Tracing dissolved organic matter (DOM) from land-based aquaculture systems in North Patagonian streams. Science of the Total Environment, 2015, 537, 129-138.	3.9	69
12	Dissolved organic matter characteristics of deciduous and coniferous forests with variable management: different at the source, aligned in the soil. Biogeosciences, 2019, 16, 1411-1432.	1.3	54
13	Hydrological transitions drive dissolved organic matter quantity and composition in a temporary Mediterranean stream. Biogeochemistry, 2015, 123, 429-446.	1.7	46
14	Land-use impacts on fatty acid profiles of suspended particulate organic matter along a larger tropical river. Science of the Total Environment, 2014, 482-483, 62-70.	3.9	38
15	Urbanization and agriculture increase exports and differentially alter elemental stoichiometry of dissolved organic matter (DOM) from tropical catchments. Science of the Total Environment, 2016, 550, 785-792.	3.9	38
16	Trait Characteristics Determine Pyrethroid Sensitivity in Nonstandard Test Species of Freshwater Macroinvertebrates: A Reality Check. Environmental Science & Technology, 2016, 50, 4971-4978.	4.6	37
17	Land-based salmon aquacultures change the quality and bacterial degradation of riverine dissolved organic matter. Scientific Reports, 2017, 7, 43739.	1.6	36
18	Cascading effects of flow reduction on the benthic invertebrate community in a lowland river. Hydrobiologia, 2013, 717, 147-159.	1.0	35

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19	Dissolved nutrient exports from natural and humanâ€impacted <scp>N</scp>eotropical catchments. Global Ecology and Biogeography, 2016, 25, 378-390.	2.7	33
20	Bioavailable DOC: reactive nutrient ratios control heterotrophic nutrient assimilationâ€"An experimental proof of the macronutrient-access hypothesis. Biogeochemistry, 2021, 155, 1-20.	1.7	33
21	Multiple stress response of lowland stream benthic macroinvertebrates depends on habitat type. Science of the Total Environment, 2017, 599-600, 1517-1523.	3.9	32
22	Does filter type and pore size influence spectroscopic analysis of freshwater chromophoric DOM composition?. Limnologica, 2014, 48, 57-64.	0.7	31
23	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. Biogeosciences, 2012, 9, 4873-4884.	1.3	28
24	Interacting effects of climate and agriculture on fluvial DOM in temperate and subtropical catchments. Hydrology and Earth System Sciences, 2015, 19, 2377-2394.	1.9	28
25	Monitoring strategies of stream phosphorus under contrasting climate-driven flow regimes. Hydrology and Earth System Sciences, 2015, 19, 4099-4111.	1.9	24
26	Disentangling multiple chemical and non-chemical stressors in a lotic ecosystem using a longitudinal approach. Science of the Total Environment, 2021, 769, 144324.	3.9	24
27	Consumerâ€resource stoichiometry as a predictor of trophic discrimination (Î"¹³C,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	23
28	Fast reaction of macroinvertebrate communities to stagnation and drought in streams with contrasting nutrient availability. Freshwater Science, 2014, 33, 847-859.	0.9	22
29	Growth response of four freshwater algal species to dissolved organic nitrogen of different concentration and complexity. Freshwater Biology, 2015, 60, 1613-1621.	1.2	22
30	A global synthesis of human impacts on the multifunctionality of streams and rivers. Global Change Biology, 2022, 28, 4783-4793.	4.2	21
31	Responses of benthic algal communities and their traits to experimental changes in fine sediments, nutrients and flow. Freshwater Biology, 2017, 62, 1539-1550.	1.2	20
32	Controls of point and diffuse sources lowered riverine nutrient concentrations asynchronously, thereby warping molar N:P ratios. Environmental Research Letters, 2020, 15, 104009.	2.2	20
33	Multi-decadal trajectories of phosphorus loading, export, and instream retention along a catchment gradient. Science of the Total Environment, 2019, 667, 769-779.	3.9	19
34	Fast-freezing with liquid nitrogen preserves bulk dissolved organic matter concentrations, but not its composition. Biogeosciences, 2016, 13, 4697-4705.	1.3	16
35	Management Options to Reduce Phosphorus Leaching from Vegetated Buffer Strips. Journal of Environmental Quality, 2019, 48, 322-329.	1.0	16
36	Influence of Farming Intensity and Climate on Lowland Stream Nitrogen. Water (Switzerland), 2020, 12, 1021.	1.2	16

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37	Available Dissolved Organic Carbon Alters Uptake and Recycling of Phosphorus and Nitrogen from River Sediments. Water (Switzerland), 2020, 12, 3321.	1.2	12
38	Effects of DOC addition from different sources on phytoplankton community in a temperate eutrophic lake: An experimental study exploring lake compartments. Science of the Total Environment, 2022, 803, 150049.	3.9	11
39	Meander reconnection method determines restoration success for macroinvertebrate communities in a German lowland river. International Review of Hydrobiology, 2016, 101, 123-131.	0.5	10
40	Going with the flow: Planktonic processing of dissolved organic carbon in streams. Science of the Total Environment, 2018, 625, 519-530.	3.9	10
41	Effects of low flow and co-occurring stressors on structural and functional characteristics of the benthic biofilm in small streams. Science of the Total Environment, 2020, 733, 139331.	3.9	10
42	Transitâ€Time and Temperature Control the Spatial Patterns of Aerobic Respiration and Denitrification in the Riparian Zone. Water Resources Research, 2021, 57, e2021WR030117.	1.7	10
43	Complex interactions of in-stream dissolved organic matter and nutrient spiralling unravelled by Bayesian regression analysis. Biogeosciences, 2021, 18, 3103-3122.	1.3	9
44	Assessing net-uptake of nitrate and natural dissolved organic matter fractions in a revitalized lowland stream reach. Limnologica, 2018, 68, 82-91.	0.7	8
45	Biofilm-specific uptake does not explain differences in whole-stream DOC tracer uptake between a forest and an agricultural stream. Biogeochemistry, 2019, 144, 85-101.	1.7	8
46	Dialysis is superior to anion exchange for removal of dissolved inorganic nitrogen from freshwater samples prior to dissolved organic nitrogen determination. Environmental Chemistry, 2012, 9, 529.	0.7	8
47	Assessing inputs of aquaculture-derived nutrients to streams using dissolved organic matter fluorescence. Science of the Total Environment, 2022, 807, 150785.	3.9	7
48	Carbon limitation may override fine-sediment induced alterations of hyporheic nitrogen and phosphorus dynamics. Science of the Total Environment, 2022, 837, 155689.	3.9	5
49	Hydrologic turnover matters â€“ gross gains and losses of six firstâ€order streams across contrasting landscapes and flow regimes. Water Resources Research, 0, , .	1.7	1