

Nuria Cataln

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.

44
papers

1,216
citations

20
h-index

34
g-index

52
ext. papers

1,670
ext. citations

5.9
avg, IF

4.65
L-index

#	Paper	IF	Citations
44	Organic carbon decomposition rates controlled by water retention time across inland waters. <i>Nature Geoscience</i> , 2016 , 9, 501-504	18.3	192
43	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , 2018 , 10,	4.9	109
42	Absence of a priming effect on dissolved organic carbon degradation in lake water. <i>Limnology and Oceanography</i> , 2015 , 60, 159-168	4.8	65
41	A tale of pipes and reactors: Controls on the in-stream dynamics of dissolved organic matter in rivers. <i>Limnology and Oceanography</i> , 2017 , 62, S85-S94	4.8	58
40	When Water Vanishes: Magnitude and Regulation of Carbon Dioxide Emissions from Dry Temporary Streams. <i>Ecosystems</i> , 2016 , 19, 710-723	3.9	54
39	Interactive effects on organic matter processing from soils to the ocean: are priming effects relevant in aquatic ecosystems?. <i>Hydrobiologia</i> , 2018 , 822, 1-17	2.4	51
38	Emissions from dry inland waters are a blind spot in the global carbon cycle. <i>Earth-Science Reviews</i> , 2019 , 188, 240-248	10.2	51
37	Higher reactivity of allochthonous vs. autochthonous DOC sources in a shallow lake. <i>Aquatic Sciences</i> , 2013 , 75, 581-593	2.5	44
36	An international laboratory comparison of dissolved organic matter composition by high resolution mass spectrometry: Are we getting the same answer?. <i>Limnology and Oceanography: Methods</i> , 2020 , 18, 235-258	2.6	43
35	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , 2015 , 125, 409-426	3.8	42
34	High methylmercury formation in ponds fueled by fresh humic and algal derived organic matter. <i>Limnology and Oceanography</i> , 2018 , 63, S44-S53	4.8	39
33	A conceptual framework for understanding the biogeochemistry of dry riverbeds through the lens of soil science. <i>Earth-Science Reviews</i> , 2019 , 188, 441-453	10.2	36
32	The interplay between total mercury, methylmercury and dissolved organic matter in fluvial systems: A latitudinal study across Europe. <i>Water Research</i> , 2018 , 144, 172-182	12.5	34
31	Global CO emissions from dry inland waters share common drivers across ecosystems. <i>Nature Communications</i> , 2020 , 11, 2126	17.4	33
30	Biodegradation kinetics of dissolved organic matter chromatographic fractions in an intermittent river. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 131-144	3.7	30
29	Organic Carbon Processing During Transport Through Boreal Inland Waters: Particles as Important Sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2412-2428	3.7	28
28	Drought-induced discontinuities in the source and degradation of dissolved organic matter in a Mediterranean river. <i>Biogeochemistry</i> , 2016 , 127, 125-139	3.8	27

27	Seasonality and landscape factors drive dissolved organic matter properties in Mediterranean ephemeral washes. <i>Biogeochemistry</i> , 2013 , 112, 261-274	3.8	26
26	Orbitrap molecular fingerprint of dissolved organic matter in natural waters and its relationship with NDMA formation potential. <i>Science of the Total Environment</i> , 2019 , 670, 1019-1027	10.2	23
25	Dry habitats sustain high CO emissions from temporary ponds across seasons. <i>Scientific Reports</i> , 2018 , 8, 3015	4.9	22
24	Climate-related changes of soil characteristics affect bacterial community composition and function of high altitude and latitude lakes. <i>Global Change Biology</i> , 2017 , 23, 2331-2344	11.4	20
23	Behind the Scenes: Mechanisms Regulating Climatic Patterns of Dissolved Organic Carbon Uptake in Headwater Streams. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 1528-1541	5.9	17
22	Effects of beaver impoundments on dissolved organic matter quality and biodegradability in boreal riverine systems. <i>Hydrobiologia</i> , 2017 , 793, 135-148	2.4	16
21	Selective Adsorption of Terrestrial Dissolved Organic Matter to Inorganic Surfaces Along a Boreal Inland Water Continuum. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2019JG005236	3.7	16
20	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. <i>Biogeochemistry</i> , 2021 , 154, 323-348	3.8	16
19	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018 , 5, 180226	8.2	15
18	Decoupling of dissolved organic matter patterns between stream and riparian groundwater in a headwater forested catchment. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 1897-1910	5.5	15
17	Ecosystem processes drive dissolved organic matter quality in a highly dynamic water body. <i>Hydrobiologia</i> , 2014 , 728, 111-124	2.4	13
16	Groundwater antibiotic pollution and its relationship with dissolved organic matter: Identification and environmental implications. <i>Environmental Pollution</i> , 2021 , 289, 117927	9.3	10
15	Predator-induced changes in dissolved organic carbon dynamics. <i>Oikos</i> , 2019 , 128, 430-440	4	9
14	Organic Matter Degradation across Ecosystem Boundaries: The Need for a Unified Conceptualization. <i>Trends in Ecology and Evolution</i> , 2021 , 36, 113-122	10.9	8
13	The relevance of environment vs. composition on dissolved organic matter degradation in freshwaters. <i>Limnology and Oceanography</i> , 2021 , 66, 306-320	4.8	6
12	Potential terrestrial influence on transparent exopolymer particle concentrations in boreal freshwaters. <i>Limnology and Oceanography</i> , 2019 , 64, 2455-2466	4.8	5
11	Effects of sterilization on dissolved organic carbon (DOC) composition and bacterial utilization of DOC from lakes. <i>Aquatic Microbial Ecology</i> , 2018 , 82, 199-208	1.1	4
10	Collaborative Projects: Unleashing Early Career Scientists' Power. <i>Trends in Ecology and Evolution</i> , 2019 , 34, 871-874	10.9	3

9	Influence of Dissolved Organic Matter Sources on In-Stream Net Dissolved Organic Carbon Uptake in a Mediterranean Stream. <i>Water (Switzerland)</i> , 2020 , 12, 1722	3	3
8	Early-Career Coordinated Distributed Experiments: Empowerment Through Collaboration. <i>Frontiers in Education</i> , 2020 , 5,	2.1	3
7	A universal bacterial inoculum for dissolved organic carbon biodegradation experiments in freshwaters. <i>Limnology and Oceanography: Methods</i> , 2018 , 16, 421-433	2.6	3
6	Stratification strength and light climate explain variation in chlorophyll a at the continental scale in a European multilake survey in a heatwave summer. <i>Limnology and Oceanography</i> , 2021 , 66, 4314	4.8	2
5	Fate of N-nitrosodimethylamine and its precursors during a wastewater reuse trial in the Llobregat River (Spain). <i>Journal of Hazardous Materials</i> , 2021 , 407, 124346	12.8	2
4	Climate and Land Cover Trends Affecting Freshwater Inputs to a Fjord in Northwestern Patagonia. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	2
3	Cross-continental importance of CH emissions from dry inland-waters. <i>Science of the Total Environment</i> , 2021 , 814, 151925	10.2	0
2	Abundance and biogeography of methanogenic and methanotrophic microorganisms across European streams. <i>Journal of Biogeography</i> , 2021 , 48, 947-960	4.1	0
1	Towards women-inclusive ecology: Representation, behavior, and perception of women at an international conference. <i>PLoS ONE</i> , 2021 , 16, e0260163	3.7	0