

Nària Catalàn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3560554/publications.pdf>

Version: 2024-02-01

49
papers

2,116
citations

201385

27
h-index

243296

44
g-index

52
all docs

52
docs citations

52
times ranked

3064
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic carbon decomposition rates controlled by water retention time across inland waters. <i>Nature Geoscience</i> , 2016, 9, 501-504.	5.4	292
2	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , 2018, 10, 156.	1.5	159
3	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.	1.0	109
4	Emissions from dry inland waters are a blind spot in the global carbon cycle. <i>Earth-Science Reviews</i> , 2019, 188, 240-248.	4.0	93
5	Absence of a priming effect on dissolved organic carbon degradation in lake water. <i>Limnology and Oceanography</i> , 2015, 60, 159-168.	1.6	91
6	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.	1.0	86
7	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.	1.6	82
8	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. <i>Biogeochemistry</i> , 2021, 154, 323-348.	1.7	75
9	Global CO2 emissions from dry inland waters share common drivers across ecosystems. <i>Nature Communications</i> , 2020, 11, 2126.	5.8	73
10	When Water Vanishes: Magnitude and Regulation of Carbon Dioxide Emissions from Dry Temporary Streams. <i>Ecosystems</i> , 2016, 19, 710-723.	1.6	70
11	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , 2015, 125, 409-426.	1.7	58
12	High methylmercury formation in ponds fueled by fresh humic and algal derived organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S44.	1.6	58
13	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.	4.0	54
14	Higher reactivity of allochthonous vs. autochthonous DOC sources in a shallow lake. <i>Aquatic Sciences</i> , 2013, 75, 581-593.	0.6	53
15	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.	5.3	53
16	Biodegradation kinetics of dissolved organic matter chromatographic fractions in an intermittent river. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 131-144.	1.3	50
17	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.	1.3	48
18	Organic Matter Degradation across Ecosystem Boundaries: The Need for a Unified Conceptualization. <i>Trends in Ecology and Evolution</i> , 2021, 36, 113-122.	4.2	44

#	ARTICLE	IF	CITATIONS
19	Drought-induced discontinuities in the source and degradation of dissolved organic matter in a Mediterranean river. <i>Biogeochemistry</i> , 2016, 127, 125-139.	1.7	36
20	Behind the Scenes: Mechanisms Regulating Climatic Patterns of Dissolved Organic Carbon Uptake in Headwater Streams. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1528-1541.	1.9	36
21	Dry habitats sustain high CO ₂ emissions from temporary ponds across seasons. <i>Scientific Reports</i> , 2018, 8, 3015.	1.6	35
22	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.	1.3	33
23	Seasonality and landscape factors drive dissolved organic matter properties in Mediterranean ephemeral washes. <i>Biogeochemistry</i> , 2013, 112, 261-274.	1.7	32
24	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.	3.9	32
25	The relevance of environment vs. composition on dissolved organic matter degradation in freshwaters. <i>Limnology and Oceanography</i> , 2021, 66, 306-320.	1.6	31
26	Ten simple rules for collaboratively writing a multi-authored paper. <i>PLoS Computational Biology</i> , 2018, 14, e1006508.	1.5	30
27	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018, 5, 180226.	2.4	30
28	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.	4.2	29
29	Groundwater antibiotic pollution and its relationship with dissolved organic matter: Identification and environmental implications. <i>Environmental Pollution</i> , 2021, 289, 117927.	3.7	28
30	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.	1.9	24
31	Effects of beaver impoundments on dissolved organic matter quality and biodegradability in boreal riverine systems. <i>Hydrobiologia</i> , 2017, 793, 135-148.	1.0	21
32	Carbon dioxide fluxes increase from day to night across European streams. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	19
33	Stratification strength and light climate explain variation in chlorophyll <i>a</i> at the continental scale in a European multilake survey in a heatwave summer. <i>Limnology and Oceanography</i> , 2021, 66, 4314-4333.	1.6	19
34	Ecosystem processes drive dissolved organic matter quality in a highly dynamic water body. <i>Hydrobiologia</i> , 2014, 728, 111-124.	1.0	18
35	Predator-induced changes in dissolved organic carbon dynamics. <i>Oikos</i> , 2019, 128, 430-440.	1.2	13
36	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.	6.5	13

#	ARTICLE	IF	CITATIONS
37	Cross-continental importance of CH ₄ emissions from dry inland-waters. <i>Science of the Total Environment</i> , 2022, 814, 151925.	3.9	13
38	The influence of pH on dissolved organic matter fluorescence in inland waters. <i>Analytical Methods</i> , 2022, 14, 1351-1360.	1.3	12
39	Potential terrestrial influence on transparent exopolymer particle concentrations in boreal freshwaters. <i>Limnology and Oceanography</i> , 2019, 64, 2455-2466.	1.6	10
40	Towards women-inclusive ecology: Representation, behavior, and perception of women at an international conference. <i>PLoS ONE</i> , 2021, 16, e0260163.	1.1	10
41	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.	0.9	8
42	Abundance and biogeography of methanogenic and methanotrophic microorganisms across European streams. <i>Journal of Biogeography</i> , 2021, 48, 947-960.	1.4	7
43	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.	1.2	6
44	Early-Career Coordinated Distributed Experiments: Empowerment Through Collaboration. <i>Frontiers in Education</i> , 2020, 5, .	1.2	6
45	A universal bacterial inoculum for dissolved organic carbon biodegradation experiments in freshwaters. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 421-433.	1.0	4
46	Collaborative Projects: Unleashing Early Career Scientists's Power. <i>Trends in Ecology and Evolution</i> , 2019, 34, 871-874.	4.2	4
47	Climate and Land Cover Trends Affecting Freshwater Inputs to a Fjord in Northwestern Patagonia. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
48	Local and regional drivers of headwater streams metabolism: insights from the first AIL collaborative project. , 2017, , 67-85.		2
49	Editorial: Watershed and Stream: The Inseparable Functional/Biogeochemical Unit. <i>Frontiers in Water</i> , 2021, 3, .	1.0	0