

# Biel Obrador

## 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.

49 papers	2,482 citations	23 h-index	49 g-index
55 ext. papers	3,062 ext. citations	5.7 avg, IF	4.68 L-index

#	Paper	IF	Citations
49	Cross-continental importance of CH emissions from dry inland-waters. <i>Science of the Total Environment</i> , <b>2021</b> , 814, 151925	10.2	0
48	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> , <b>2021</b> , 66, 4314	4.8	2
47	Global carbon budget of reservoirs is overturned by the quantification of drawdown areas. <i>Nature Geoscience</i> , <b>2021</b> , 14, 402-408	18.3	12
46	Eutrophication and Geochemistry Drive Pelagic Calcite Precipitation in Lakes. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 597	3	0
45	Identifying critical transitions in seasonal shifts of zooplankton composition in a confined coastal salt marsh. <i>Aquatic Sciences</i> , <b>2021</b> , 83, 1	2.5	0
44	Ecosystem metabolism dynamics and environmental drivers in Mediterranean confined coastal lagoons. <i>Estuarine, Coastal and Shelf Science</i> , <b>2020</b> , 245, 106989	2.9	5
43	Major Effects of Alkalinity on the Relationship Between Metabolism and Dissolved Inorganic Carbon Dynamics in Lakes. <i>Ecosystems</i> , <b>2020</b> , 23, 1566-1580	3.9	10
42	The interruption of longitudinal hydrological connectivity causes delayed responses in dissolved organic matter. <i>Science of the Total Environment</i> , <b>2020</b> , 713, 136619	10.2	11
41	Global CO emissions from dry inland waters share common drivers across ecosystems. <i>Nature Communications</i> , <b>2020</b> , 11, 2126	17.4	33
40	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. <i>Global Biogeochemical Cycles</i> , <b>2020</b> , 34, e2019GB006495	5.9	12
39	Reuniting biogeochemistry with ecology and evolution. <i>Science</i> , <b>2019</b> , 366, 805-806	33.3	
38	Sediment Respiration Pulses in Intermittent Rivers and Ephemeral Streams. <i>Global Biogeochemical Cycles</i> , <b>2019</b> , 33, 1251-1263	5.9	28
37	High frequency monitoring reveals fine scale spatial and temporal dynamics of the deep chlorophyll maximum of a stratified coastal lagoon. <i>Estuarine, Coastal and Shelf Science</i> , <b>2019</b> , 218, 278-291	2.9	9
36	Emissions from dry inland waters are a blind spot in the global carbon cycle. <i>Earth-Science Reviews</i> , <b>2019</b> , 188, 240-248	10.2	51
35	Simulating rewetting events in intermittent rivers and ephemeral streams: A global analysis of leached nutrients and organic matter. <i>Global Change Biology</i> , <b>2019</b> , 25, 1591-1611	11.4	47
34	A conceptual framework for understanding the biogeochemistry of dry riverbeds through the lens of soil science. <i>Earth-Science Reviews</i> , <b>2019</b> , 188, 441-453	10.2	36
33	Effects of nutrients and organic matter inputs in the gases CO <sub>2</sub> and O <sub>2</sub> : A mesocosm study in a tropical lake. <i>Limnologia</i> , <b>2018</b> , 69, 1-9	2	6

32	Dry habitats sustain high CO emissions from temporary ponds across seasons. <i>Scientific Reports</i> , <b>2018</b> , 8, 3015	4.9	22
31	Does the severity of non-flow periods influence ecosystem structure and function of temporary streams? A mesocosm study. <i>Freshwater Biology</i> , <b>2018</b> , 63, 613-625	3.1	8
30	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , <b>2018</b> , 10,	4.9	109
29	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , <b>2018</b> , 5, 180226	8.2	15
28	Effect of small water retention structures on diffusive CO <sub>2</sub> and CH <sub>4</sub> emissions along a highly impounded river. <i>Inland Waters</i> , <b>2018</b> , 8, 449-460	2.4	2
27	A tale of pipes and reactors: Controls on the in-stream dynamics of dissolved organic matter in rivers. <i>Limnology and Oceanography</i> , <b>2017</b> , 62, S85-S94	4.8	58
26	Delving deeper: Metabolic processes in the metalimnion of stratified lakes. <i>Limnology and Oceanography</i> , <b>2017</b> , 62, 1288-1306	4.8	27
25	Biodegradation kinetics of dissolved organic matter chromatographic fractions in an intermittent river. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 131-144	3.7	30
24	Dissolved oxygen dynamics under ice: Three winters of high-frequency data from Lake Tovel, Italy. <i>Water Resources Research</i> , <b>2017</b> , 53, 7234-7246	5.4	23
23	Low contribution of internal metabolism to carbon dioxide emissions along lotic and lentic environments of a Mediterranean fluvial network. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 3030-3044	3.7	13
22	Microbial carbon processing along a river discontinuum. <i>Freshwater Science</i> , <b>2016</b> , 35, 1133-1147	2	10
21	When Water Vanishes: Magnitude and Regulation of Carbon Dioxide Emissions from Dry Temporary Streams. <i>Ecosystems</i> , <b>2016</b> , 19, 710-723	3.9	54
20	Drought-induced discontinuities in the source and degradation of dissolved organic matter in a Mediterranean river. <i>Biogeochemistry</i> , <b>2016</b> , 127, 125-139	3.8	27
19	Organic carbon sedimentation dominates over CO <sub>2</sub> emission in two net heterotrophic Mediterranean reservoirs during stratification. <i>Aquatic Sciences</i> , <b>2016</b> , 78, 279-290	2.5	2
18	Automatic High Frequency Monitoring for Improved Lake and Reservoir Management. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10780-10794	10.3	65
17	The genus <i>Ruppia</i> L. (Ruppiaceae) in the Mediterranean region: An overview. <i>Aquatic Botany</i> , <b>2015</b> , 124, 1-9	1.8	21
16	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , <b>2015</b> , 125, 409-426	3.8	42
15	Carbonate weathering as a driver of CO <sub>2</sub> supersaturation in lakes. <i>Nature Geoscience</i> , <b>2015</b> , 8, 107-111	18.3	103

14	Ecosystem processes drive dissolved organic matter quality in a highly dynamic water body. <i>Hydrobiologia</i> , <b>2014</b> , 728, 111-124	2.4	13
13	Carbon dioxide emissions from dry watercourses. <i>Inland Waters</i> , <b>2014</b> , 4, 377-382	2.4	57
12	Vertical patterns of metabolism in three contrasting stratified lakes. <i>Limnology and Oceanography</i> , <b>2014</b> , 59, 1228-1240	4.8	46
11	Higher reactivity of allochthonous vs. autochthonous DOC sources in a shallow lake. <i>Aquatic Sciences</i> , <b>2013</b> , 75, 581-593	2.5	44
10	Environmental footprints of Mediterranean versus Western dietary patterns: beyond the health benefits of the Mediterranean diet. <i>Environmental Health</i> , <b>2013</b> , 12, 118	6	128
9	Seasonality and landscape factors drive dissolved organic matter properties in Mediterranean ephemeral washes. <i>Biogeochemistry</i> , <b>2013</b> , 112, 261-274	3.8	26
8	Budgets of organic and inorganic carbon in a Mediterranean coastal lagoon dominated by submerged vegetation. <i>Hydrobiologia</i> , <b>2012</b> , 699, 35-54	2.4	15
7	Chronological reconstruction of metal contamination in the Port of Maŕ (Minorca, Spain). <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 1632-40	6.7	24
6	Mediterranean diet pyramid today. Science and cultural updates. <i>Public Health Nutrition</i> , <b>2011</b> , 14, 2274-84	3.5	893
5	Spatiotemporal dynamics of submerged macrophytes in a Mediterranean coastal lagoon. <i>Estuarine, Coastal and Shelf Science</i> , <b>2010</b> , 87, 145-155	2.9	21
4	Light regime and components of turbidity in a Mediterranean coastal lagoon. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 77, 123-133	2.9	25
3	A Dynamic Model to Simulate Water Level and Salinity in a Mediterranean Coastal Lagoon. <i>Estuaries and Coasts</i> , <b>2008</b> , 31, 1117-1129	2.8	8
2	Spatial distribution and biomass of aquatic rooted macrophytes and their relevance in the metabolism of a Mediterranean coastal lagoon. <i>Scientia Marina</i> , <b>2007</b> , 71, 57-64	1.8	13
1	The use of indexes evaluating the adherence to the Mediterranean diet in epidemiological studies: a review. <i>Public Health Nutrition</i> , <b>2006</b> , 9, 132-46	3.3	276