

# Fabio Roland

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

4,119  
citations

257450

24  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

5035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-continental importance of CH <sub>4</sub> emissions from dry inland-waters. <i>Science of the Total Environment</i> , 2022, 814, 151925.	8.0	13
2	Assessing the short-term response of fish assemblages to damming of an Amazonian river. <i>Journal of Environmental Management</i> , 2022, 307, 114571.	7.8	9
3	Fresh terrestrial detritus fuels both heterotrophic and autotrophic activities in the planktonic food web of a tropical reservoir: a mesocosm study. <i>Hydrobiologia</i> , 2022, 849, 3931-3946.	2.0	3
4	Increasing Temperature Counteracts the Negative Effect of UV Radiation on Growth and Photosynthetic Efficiency of <i>Microcystis aeruginosa</i> and <i>Raphidiopsis raciborskii</i> . <i>Photochemistry and Photobiology</i> , 2021, 97, 753-762.	2.5	4
5	Global CO <sub>2</sub> emissions from dry inland waters share common drivers across ecosystems. <i>Nature Communications</i> , 2020, 11, 2126.	12.8	73
6	Sediment drying-rewetting cycles enhance greenhouse gas emissions, nutrient and trace element release, and promote water cytogenotoxicity. <i>PLoS ONE</i> , 2020, 15, e0231082.	2.5	18
7	Cyanobacteria dominance drives zooplankton functional dispersion. <i>Hydrobiologia</i> , 2019, 831, 149-161.	2.0	27
8	Carbon dioxide emission from drawdown areas of a Brazilian reservoir is linked to surrounding land cover. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	25
9	Seasonal and diel variation in greenhouse gas emissions from an urban pond and its major drivers. <i>Limnology and Oceanography</i> , 2019, 64, 2129-2139.	3.1	70
10	Investigation of medicines consumption and disposal in Brazil: A study case in a developing country. <i>Science of the Total Environment</i> , 2019, 671, 505-509.	8.0	36
11	Limnological effects of a large Amazonian run-of-river dam on the main river and drowned tributary valleys. <i>Scientific Reports</i> , 2019, 9, 16846.	3.3	30
12	Far-reaching cytogenotoxic effects of mine waste from the Fundão dam disaster in Brazil. <i>Chemosphere</i> , 2019, 215, 753-757.	8.2	46
13	Extreme drought boosts CO <sub>2</sub> and CH <sub>4</sub> emissions from reservoir drawdown areas. <i>Inland Waters</i> , 2018, 8, 329-340.	2.2	44
14	Extreme floods increase CO <sub>2</sub> outgassing from a large Amazonian river. <i>Limnology and Oceanography</i> , 2017, 62, 989-999.	3.1	37
15	Editorial: Microbial Role in the Carbon Cycle in Tropical Inland Aquatic Ecosystems. <i>Frontiers in Microbiology</i> , 2017, 8, 20.	3.5	10
16	Environmental factors driving phytoplankton taxonomic and functional diversity in Amazonian floodplain lakes. <i>Hydrobiologia</i> , 2017, 802, 115-130.	2.0	54
17	High Primary Production Contrasts with Intense Carbon Emission in a Eutrophic Tropical Reservoir. <i>Frontiers in Microbiology</i> , 2016, 7, 717.	3.5	63
18	Organic carbon burial efficiency in a subtropical hydroelectric reservoir. <i>Biogeosciences</i> , 2016, 13, 3331-3342.	3.3	33

#	ARTICLE	IF	CITATIONS
19	Brazil's Amazon conservation in peril. <i>Science</i> , 2016, 353, 228-229.	12.6	5
20	Phosphorus transport by the largest Amazon tributary (Madeira River, Brazil) and its sensitivity to precipitation and damming. <i>Inland Waters</i> , 2015, 5, 275-282.	2.2	17
21	Potential effects of UV radiation on photosynthetic structures of the bloom-forming cyanobacterium <i>Cylindrospermopsis raciborskii</i> CYRF-01. <i>Frontiers in Microbiology</i> , 2015, 6, 1202.	3.5	25
22	Environmental rather than spatial factors structure bacterioplankton communities in shallow lakes along a 6000 km latitudinal gradient in South America. <i>Environmental Microbiology</i> , 2015, 17, 2336-2351.	3.8	67
23	Viruses and bacteria in floodplain lakes along a major Amazon tributary respond to distance to the Amazon River. <i>Frontiers in Microbiology</i> , 2015, 6, 158.	3.5	17
24	Carbon Sequestration in a Large Hydroelectric Reservoir: An Integrative Seismic Approach. <i>Ecosystems</i> , 2014, 17, 430-441.	3.4	45
25	Eutrophication reverses whole-lake carbon budgets. <i>Inland Waters</i> , 2014, 4, 41-48.	2.2	165
26	Do models of organic carbon mineralization extrapolate to warmer tropical sediments?. <i>Limnology and Oceanography</i> , 2014, 59, 48-54.	3.1	52
27	Bimodality in stable isotope composition facilitates the tracing of carbon transfer from macrophytes to higher trophic levels. <i>Hydrobiologia</i> , 2013, 710, 205-218.	2.0	28
28	Carbon emission as a function of energy generation in hydroelectric reservoirs in Brazilian dry tropical biome. <i>Energy Policy</i> , 2013, 58, 109-116.	8.8	42
29	Emissions from Amazonian dams. <i>Nature Climate Change</i> , 2013, 3, 1005-1005.	18.8	15
30	Hydroelectric carbon sequestration. <i>Nature Geoscience</i> , 2012, 5, 838-840.	12.9	64
31	Growth inhibition and colony formation in the cyanobacterium <i>Microcystis aeruginosa</i> induced by the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Journal of Plankton Research</i> , 2012, 34, 987-994.	1.8	55
32	Climate change in Brazil: perspective on the biogeochemistry of inland waters. <i>Brazilian Journal of Biology</i> , 2012, 72, 709-722.	0.9	52
33	Carbon emission from hydroelectric reservoirs linked to reservoir age and latitude. <i>Nature Geoscience</i> , 2011, 4, 593-596.	12.9	600
34	Variability of carbon dioxide flux from tropical (Cerrado) hydroelectric reservoirs. <i>Aquatic Sciences</i> , 2010, 72, 283-293.	1.5	92
35	Virus-Bacterium Coupling Driven by both Turbidity and Hydrodynamics in an Amazonian Floodplain Lake. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7194-7201.	3.1	22
36	Climate-dependent CO <sub>2</sub> emissions from lakes. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	140

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37	Cyanobacterial equilibrium phases in a small tropical impoundment. <i>Journal of Plankton Research</i> , 2009, 31, 1331-1338.	1.8	13
38	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	3.1	1,977
39	Water pollution: one of the main Limnology challenges in the Anthropocene. <i>Acta Limnologica Brasiliensia</i> , 0, 31, .	0.4	10
40	The role of sediments in the carbon and pollutant cycles in aquatic ecosystems. <i>Acta Limnologica Brasiliensia</i> , 0, 31, .	0.4	20
41	Not all viruses in nature are human enemies: a perspective on aquatic virus ecology in Brazil. <i>Acta Limnologica Brasiliensia</i> , 0, 32, .	0.4	1