Fabio Roland

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1497244/publications.pdf

Version: 2024-02-01

41	4,119	257450	315739
papers	citations	24 h-index	38 g-index

41	41	41	5035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lakes and reservoirs as regulators of carbon cycling and climate. Limnology and Oceanography, 2009, 54, 2298-2314.	3.1	1,977
2	Carbon emission from hydroelectric reservoirs linked to reservoir age and latitude. Nature Geoscience, 2011, 4, 593-596.	12.9	600
3	Eutrophication reverses whole-lake carbon budgets. Inland Waters, 2014, 4, 41-48.	2.2	165
4	Climateâ€dependent CO₂ emissions from lakes. Global Biogeochemical Cycles, 2010, 24, .	4.9	140
5	Variability of carbon dioxide flux from tropical (Cerrado) hydroelectric reservoirs. Aquatic Sciences, 2010, 72, 283-293.	1.5	92
6	Global CO2 emissions from dry inland waters share common drivers across ecosystems. Nature Communications, 2020, 11, 2126.	12.8	73
7	Seasonal and diel variation in greenhouse gas emissions from an urban pond and its major drivers. Limnology and Oceanography, 2019, 64, 2129-2139.	3.1	70
8	Environmental rather than spatial factors structure bacterioplankton communities in shallow lakes along a >â€‰6000â€‰km latitudinal gradient in <scp>S</scp>outh <scp>A</scp>merica. Environmental Microbiology, 2015, 17, 2336-2351.	3.8	67
9	Hydroelectric carbon sequestration. Nature Geoscience, 2012, 5, 838-840.	12.9	64
10	High Primary Production Contrasts with Intense Carbon Emission in a Eutrophic Tropical Reservoir. Frontiers in Microbiology, 2016, 7, 717.	3.5	63
11	Growth inhibition and colony formation in the cyanobacterium Microcystis aeruginosa induced by the cyanobacterium Cylindrospermopsis raciborskii. Journal of Plankton Research, 2012, 34, 987-994.	1.8	55
12	Environmental factors driving phytoplankton taxonomic and functional diversity in Amazonian floodplain lakes. Hydrobiologia, 2017, 802, 115-130.	2.0	54
13	Climate change in Brazil: perspective on the biogeochemistry of inland waters. Brazilian Journal of Biology, 2012, 72, 709-722.	0.9	52
14	Do models of organic carbon mineralization extrapolate to warmer tropical sediments?. Limnology and Oceanography, 2014, 59, 48-54.	3.1	52
15	Far-reaching cytogenotoxic effects of mine waste from the FundÃ£o dam disaster in Brazil. Chemosphere, 2019, 215, 753-757.	8.2	46
16	Carbon Sequestration in a Large Hydroelectric Reservoir: An Integrative Seismic Approach. Ecosystems, 2014, 17, 430-441.	3.4	45
17	Extreme drought boosts CO₂ and CH₄ emissions from reservoir drawdown areas. Inland Waters, 2018, 8, 329-340.	2.2	44
18	Carbon emission as a function of energy generation in hydroelectric reservoirs in Brazilian dry tropical biome. Energy Policy, 2013, 58, 109-116.	8.8	42

#	Article	IF	Citations
19	Extreme floods increase CO₂ outgassing from a large Amazonian river. Limnology and Oceanography, 2017, 62, 989-999.	3.1	37
20	Investigation of medicines consumption and disposal in Brazil: A study case in a developing country. Science of the Total Environment, 2019, 671, 505-509.	8.0	36
21	Organic carbon burial efficiency in a subtropical hydroelectric reservoir. Biogeosciences, 2016, 13, 3331-3342.	3.3	33
22	Limnological effects of a large Amazonian run-of-river dam on the main river and drowned tributary valleys. Scientific Reports, 2019, 9, 16846.	3.3	30
23	Bimodality in stable isotope composition facilitates the tracing of carbon transfer from macrophytes to higher trophic levels. Hydrobiologia, 2013, 710, 205-218.	2.0	28
24	Cyanobacteria dominance drives zooplankton functional dispersion. Hydrobiologia, 2019, 831, 149-161.	2.0	27
25	Potential effects of UV radiation on photosynthetic structures of the bloom-forming cyanobacterium Cylindrospermopsis raciborskii CYRF-01. Frontiers in Microbiology, 2015, 6, 1202.	3.5	25
26	Carbon dioxide emission from drawdown areas of a Brazilian reservoir is linked to surrounding land cover. Aquatic Sciences, 2019, 81, 1.	1.5	25
27	Virus-Bacterium Coupling Driven by both Turbidity and Hydrodynamics in an Amazonian Floodplain Lake. Applied and Environmental Microbiology, 2010, 76, 7194-7201.	3.1	22
28	The role of sediments in the carbon and pollutant cycles in aquatic ecosystems. Acta Limnologica Brasiliensia, 0, 31, .	0.4	20
29	Sediment drying-rewetting cycles enhance greenhouse gas emissions, nutrient and trace element release, and promote water cytogenotoxicity. PLoS ONE, 2020, 15, e0231082.	2.5	18
30	Phosphorus transport by the largest Amazon tributary (Madeira River, Brazil) and its sensitivity to precipitation and damming. Inland Waters, 2015, 5, 275-282.	2.2	17
31	Viruses and bacteria in floodplain lakes along a major Amazon tributary respond to distance to the Amazon River. Frontiers in Microbiology, 2015, 6, 158.	3.5	17
32	Emissions from Amazonian dams. Nature Climate Change, 2013, 3, 1005-1005.	18.8	15
33	Cyanobacterial equilibrium phases in a small tropical impoundment. Journal of Plankton Research, 2009, 31, 1331-1338.	1.8	13
34	Cross-continental importance of CH4 emissions from dry inland-waters. Science of the Total Environment, 2022, 814, 151925.	8.0	13
35	Editorial: Microbial Role in the Carbon Cycle in Tropical Inland Aquatic Ecosystems. Frontiers in Microbiology, 2017, 8, 20.	3.5	10
36	Water pollution: one of the main Limnology challenges in the Anthropocene. Acta Limnologica Brasiliensia, 0, 31, .	0.4	10

#	Article	IF	Citations
37	Assessing the short-term response of fish assemblages to damming of an Amazonian river. Journal of Environmental Management, 2022, 307, 114571.	7.8	9
38	Brazil's Amazon conservation in peril. Science, 2016, 353, 228-229.	12.6	5
39	Increasing Temperature Counteracts the Negative Effect of UV Radiation on Growth and Photosynthetic Efficiency of Microcystis aeruginosa and Raphidiopsis raciborskii. Photochemistry and Photobiology, 2021, 97, 753-762.	2.5	4
40	Fresh terrestrial detritus fuels both heterotrophic and autotrophic activities in the planktonic food web of a tropical reservoir: a mesocosm study. Hydrobiologia, 2022, 849, 3931-3946.	2.0	3
41	Not all viruses in nature are human enemies: a perspective on aquatic virus ecology in Brazil. Acta Limnologica Brasiliensia, 0, 32, .	0.4	1