Rafael M Almeida

List of Publications by Year
in descending order

20 papers	674 citations	623734 14 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	932 citing authors

#	Article	IF	Citations
1	Reducing greenhouse gas emissions of Amazon hydropower with strategic dam planning. Nature Communications, 2019, 10, 4281.	12.8	126
2	Spatially Resolved Measurements of CO₂ and CH₄ Concentration and Gas-Exchange Velocity Highly Influence Carbon-Emission Estimates of Reservoirs. Environmental Science & Technology, 2018, 52, 607-615.	10.0	65
3	High Primary Production Contrasts with Intense Carbon Emission in a Eutrophic Tropical Reservoir. Frontiers in Microbiology, 2016, 7, 717.	3.5	63
4	Reducing adverse impacts of Amazon hydropower expansion. Science, 2022, 375, 753-760.	12.6	60
5	Far-reaching cytogenotoxic effects of mine waste from the FundÃ£o dam disaster in Brazil. Chemosphere, 2019, 215, 753-757.	8.2	46
6	Extreme floods increase CO₂ outgassing from a large Amazonian river. Limnology and Oceanography, 2017, 62, 989-999.	3.1	37
7	Better assessments of greenhouse gas emissions from global fish ponds needed to adequately evaluate aquaculture footprint. Science of the Total Environment, 2020, 748, 141247.	8.0	35
8	Hydropeaking Operations of Two Run-of-River Mega-Dams Alter Downstream Hydrology of the Largest Amazon Tributary. Frontiers in Environmental Science, 2020, 8, .	3.3	31
9	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
10	Floating solar power could help fight climate change â€" letâ€™s get it right. Nature, 2022, 606, 246-249.	27.8	27
11	Carbon dioxide emission from drawdown areas of a Brazilian reservoir is linked to surrounding land cover. Aquatic Sciences, 2019, 81, 1.	1.5	25
12	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
13	Climate change may impair electricity generation and economic viability of future Amazon hydropower. Global Environmental Change, 2021, 71, 102383.	7.8	18
14	Strategic planning of hydropower development: balancing benefits and socioenvironmental costs. Current Opinion in Environmental Sustainability, 2022, 56, 101175.	6.3	18
15	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
16	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
17	Emissions from Amazonian dams. Nature Climate Change, 2013, 3, 1005-1005.	18.8	15
18	Hotspots of Diffusive CO₂ and CH₄ Emission From Tropical Reservoirs Shift Through Time. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006014.	3.0	14

#	Article	IF	Citations
19	High mortality in aquatic predators of mosquito larvae caused by exposure to insect repellent. Biology Letters, 2018, 14, 20180526.	2.3	7
20	Brazil's Amazon conservation in peril. Science, 2016, 353, 228-229.	12.6	5