Humberto Marotta

List of Publications by Year
in descending order

22	883	687220 13	642610 23
papers	citations	h-index	g-index

23	23	23	1578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large emissions from floodplain trees close the Amazon methane budget. Nature, 2017, 552, 230-234.	13.7	204
2	Methane Emissions from Pantanal, South America, during the Low Water Season: Toward More Comprehensive Sampling. Environmental Science & Technology, 2010, 44, 5450-5455.	4.6	178
3	Elevated rates of organic carbon, nitrogen, and phosphorus accumulation in a highly impacted mangrove wetland. Geophysical Research Letters, 2014, 41, 2475-2480.	1.5	117
4	Large CO₂ disequilibria in tropical lakes. Global Biogeochemical Cycles, 2009, 23, .	1.9	94
5	Structure and function of methanogenic microbial communities in sediments of Amazonian lakes with different water types. Environmental Microbiology, 2016, 18, 5082-5100.	1.8	41
6	Long-Term CO2 Variability in Two Shallow Tropical Lakes Experiencing Episodic Eutrophication and Acidification Events. Ecosystems, 2010, 13, 382-392.	1.6	34
7	Carbon accumulation in Amazonian floodplain lakes: A significant component of Amazon budgets?. Limnology and Oceanography Letters, 2017, 2, 29-35.	1.6	26
8	Carbon and nutrient accumulation in mangrove sediments affected by multiple environmental changes. Journal of Soils and Sediments, 2020, 20, 2504-2509.	1.5	20
9	Changes in thermal and oxygen stratification pattern coupled to CO2 outgassing persistence in two oligotrophic shallow lakes of the Atlantic Tropical Forest, Southeast Brazil. Limnology, 2009, 10, 195-202.	0.8	19
10	Spatial versus Day-To-Day Within-Lake Variability in Tropical Floodplain Lake CH4 Emissions â€“ Developing Optimized Approaches to Representative Flux Measurements. PLoS ONE, 2015, 10, e0123319.	1.1	18
11	Structure, function and resilience to desiccation of methanogenic microbial communities in temporarily inundated soils of the Amazon rainforest (Cunia Reserve, Rondonia). Environmental Microbiology, 2019, 21, 1702-1717.	1.8	18
12	Inter- and intra-annual variations of pCO2 and pO2 in a freshwater subtropical coastal lake. Inland Waters, 2015, 5, 107-116.	1.1	16
13	Synergistic control of CO2 emissions by fish and nutrients in a humic tropical lake. Oecologia, 2012, 168, 839-847.	0.9	15
14	Radonâ€traced poreâ€water as a potential source of CO₂ and CH₄ to receding black and clear water environments in the Amazon Basin. Limnology and Oceanography Letters, 2018, 3, 375-383.	1.6	15
15	Hypersaline tidal flats as important â€œblue carbonâ€•systems: a case study from three ecosystems. Biogeosciences, 2021, 18, 2527-2538.	1.3	14
16	Drought Resilience Debt Drives NPP Decline in the Amazon Forest. Global Biogeochemical Cycles, 2021, 35, e2021GB007004.	1.9	12
17	Whole Ecosystem Evidence of Eutrophication Enhancement by Wetland Dredging in a Shallow Tropical Lake. Estuaries and Coasts, 2009, 32, 654-660.	1.0	9
18	Historic carbon burial spike in an Amazon floodplain lake linked to riparian deforestation near SantarÃ©m, Brazil. Biogeosciences, 2018, 15, 447-455.	1.3	9

#	Article	IF	Citations
19	Experimental evidence of nitrogen control on pCO2 in phosphorus-enriched humic and clear coastal lagoon waters. Frontiers in Microbiology, 2013, 4, 11.	1.5	7
20	High-resolution spatial distribution ofpCO₂in the coastal Southern Ocean in late spring. Antarctic Science, 2020, 32, 476-485.	0.5	7
21	Tropical forests as drivers of lake carbon burial. Nature Communications, 2022, 13, .	5.8	5
22	Hydrocarbon sedimentary organic matter composition from different water-type floodplain lakes in the Brazilian Amazon. Organic Geochemistry, 2021, 159, 104287.	0.9	4