

# Mauricio Mello Petrucio

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

785  
citations

516710

16  
h-index

610901

24  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1036  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant litter dynamics in the forest-stream interface: precipitation is a major control across tropical biomes. <i>Scientific Reports</i> , 2017, 7, 10799.	3.3	98
2	Spatial and temporal dynamic of trophic relevant parameters in a subtropical coastal lagoon in Brazil. <i>Environmental Monitoring and Assessment</i> , 2011, 181, 347-361.	2.7	63
3	The Effects of Spatial Scale on Breakdown of Leaves in a Tropical Watershed. <i>PLoS ONE</i> , 2014, 9, e97072.	2.5	39
4	Temporal variation in the Ephemeroptera, Plecoptera and Trichoptera community in response to environmental drivers in a subtropical stream. <i>Journal of Insect Biodiversity</i> , 2016, 4, 1.	0.4	39
5	Surveillance of human viral contamination and physicochemical profiles in a surface water lagoon. <i>Water Science and Technology</i> , 2012, 66, 2682-2687.	2.5	37
6	Temporal dynamics of allochthonous coarse particulate organic matter in a subtropical Atlantic rainforest Brazilian stream. <i>Marine and Freshwater Research</i> , 2015, 66, 674.	1.3	33
7	Effects of small changes in riparian forest complexity on aquatic insect bioindicators in Brazilian subtropical streams. <i>Marine and Freshwater Research</i> , 2017, 68, 519.	1.3	28
8	Bacterioplankton and phytoplankton production in seven lakes in the Middle Rio Doce basin, south-east Brazil. <i>Limnologia</i> , 2006, 36, 192-203.	1.5	26
9	Diel variations of phytoplankton and bacterioplankton production rates in four tropical lakes in the middle Rio Doce basin (southeastern Brazil). <i>Hydrobiologia</i> , 2004, 513, 71-76.	2.0	21
10	Physical conditions driving the spatial and temporal variability in aquatic metabolism of a subtropical coastal lake. <i>Limnologia</i> , 2016, 58, 30-40.	1.5	21
11	Leaf breakdown and invertebrate colonization of <i>Eucalyptus grandis</i> (Myrtaceae) and <i>Hirtella glandulosa</i> (Chrysobalanaceae) in two Neotropical lakes. <i>Acta Limnológica Brasiliensia</i> , 2010, 22, 23-34.	0.4	21
12	Enteric viruses in surface water and sediment samples from the catchment area of Peri Lagoon, Santa Catarina State, Brazil. <i>Journal of Water and Health</i> , 2016, 14, 142-154.	2.6	20
13	Changes in CO <sub>2</sub> dynamics related to rainfall and water level variations in a subtropical lake. <i>Hydrobiologia</i> , 2017, 794, 109-123.	2.0	20
14	Changes in thermal and oxygen stratification pattern coupled to CO <sub>2</sub> outgassing persistence in two oligotrophic shallow lakes of the Atlantic Tropical Forest, Southeast Brazil. <i>Limnology</i> , 2009, 10, 195-202.	1.5	19
15	Water level decrease and increased water stability promotes phytoplankton growth in a mesotrophic subtropical lake. <i>Marine and Freshwater Research</i> , 2015, 66, 711.	1.3	18
16	Fish parasites as indicators of organic pollution in southern Brazil. <i>Journal of Helminthology</i> , 2018, 92, 322-331.	1.0	18
17	Inter- and intra-annual variations of pCO <sub>2</sub> and pO <sub>2</sub> in a freshwater subtropical coastal lake. <i>Inland Waters</i> , 2015, 5, 107-116.	2.2	16
18	Temporal variation in phytoplankton community in a freshwater coastal lake of southern Brazil. <i>Acta Limnológica Brasiliensia</i> , 2013, 25, 99-110.	0.4	15

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19	Abiotic variables affect STX concentration in a meso-oligotrophic subtropical coastal lake dominated by <i>Cylindrospermopsis raciborskii</i> (Cyanophyceae). <i>Harmful Algae</i> , 2016, 56, 22-28.	4.8	15
20	Inter- and intra-guild patterns of food resource utilization by chironomid larvae in a subtropical coastal lagoon. <i>Limnology</i> , 2014, 15, 1-12.	1.5	14
21	Urbanization increases carbon concentration and pCO <sub>2</sub> in subtropical streams. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18371-18381.	5.3	13
22	Aquatic invertebrate's distribution in a freshwater coastal lagoon of southern Brazil in relation to water and sediment characteristics. <i>Acta Limnologica Brasiliensia</i> , 2011, 23, 119-127.	0.4	12
23	Winter is coming: Food web structure and seasonality in a subtropical freshwater coastal lake. <i>Ecology and Evolution</i> , 2017, 7, 4534-4542.	1.9	12
24	Dynamics of Planktonic Prokaryotes and Dissolved Carbon in a Subtropical Coastal Lake. <i>Frontiers in Microbiology</i> , 2013, 4, 71.	3.5	11
25	Considerations regarding the dominance of <i>Cylindrospermopsis raciborskii</i> under low light availability in a low phosphorus lake. <i>Acta Botanica Brasilica</i> , 2015, 29, 448-451.	0.8	11
26	Seasonal phytoplankton response to increased temperature and phosphorus inputs in a freshwater coastal lagoon, Southern Brazil: a microcosm bioassay. <i>Acta Limnologica Brasiliensia</i> , 2010, 22, 295-305.	0.4	11
27	The riverine bioreactor: An integrative perspective on biological decomposition of organic matter across riverine habitats. <i>Science of the Total Environment</i> , 2021, 772, 145494.	8.0	10
28	Distribution of aquatic macroinvertebrate assemblages in a subtropical coastal lake: Response to environmental parameters. <i>Fundamental and Applied Limnology</i> , 2016, 188, 113-127.	0.7	9
29	Relationships between aquatic invertebrate communities, water-level fluctuations and different habitats in a subtropical lake. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 548.	2.7	9
30	The effects of abiotic variables on detritus decomposition in Brazilian subtropical mangroves. <i>Acta Limnologica Brasiliensia</i> , 2013, 25, 158-168.	0.4	8
31	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> , 2018, 69, 1-9.	1.5	8
32	Trophic state and microorganisms community of major sub-basins of the middle Rio Doce basin, southeast Brazil. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 625-633.	0.5	8
33	Bacteria and phytoplankton production rates in eight river stretches of the middle Rio Doce hidrographic basin (southeast Brazil). <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 487-496.	0.5	7
34	Planktonic production and respiration in a subtropical lake dominated by Cyanobacteria. <i>Brazilian Journal of Biology</i> , 2015, 75, 460-470.	0.9	7
35	Linking summer conditions to CO <sub>2</sub> undersaturation and CO <sub>2</sub> influx in a subtropical coastal lake. <i>Limnology</i> , 2015, 16, 193-201.	1.5	7
36	Environmental drivers and composition of assemblages of immature odonates (Insecta) in a subtropical island in southern Brazil. <i>Acta Limnologica Brasiliensia</i> , 0, 32, .	0.4	7

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37	<scp>NEOTROPICAL FRESHWATER FISHES</scp>: A dataset of occurrence and abundance of freshwater fishes in the Neotropics. <i>Ecology</i> , 2023, 104, e3713.	3.2	7
38	Macro-scale (biomes) differences in neotropical stream processes and community structure. <i>Global Ecology and Conservation</i> , 2018, 16, e00498.	2.1	6
39	Paleolimnological record as an indication of incipient eutrophication in an oligotrophic subtropical coastal lake in Southern Brazil. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 513.	2.7	5
40	High chlorophyll a concentration in a low nutrient context: discussions in a subtropical lake dominated by Cyanobacteria. <i>Journal of Limnology</i> , 2016, , .	1.1	5
41	Recent land-use changes affect stream ecosystem processes in a subtropical island in Brazil. <i>Austral Ecology</i> , 2020, 45, 644-658.	1.5	5
42	Grazing efficiency asymmetry drives zooplankton top-down control on phytoplankton in a subtropical lake dominated by non-toxic cyanobacteria. <i>Hydrobiologia</i> , 2020, 847, 2307-2320.	2.0	5
43	Natural events of anoxia and low respiration index in oligotrophic lakes of the Atlantic Tropical Forest. <i>Biogeosciences</i> , 2012, 9, 2879-2887.	3.3	4
44	Determining the high variability of pCO <sub>2</sub> and pO <sub>2</sub> in the littoral zone of a subtropical coastal lake. <i>Acta Limnologica Brasiliensia</i> , 2014, 26, 288-295.	0.4	4
45	Connecting the litterfall temporal dynamics and processing of coarse particulate organic matter in a tropical stream. <i>Marine and Freshwater Research</i> , 2017, 68, 1260.	1.3	3
46	Influence of microhabitat on diversity and distribution of Ephemeroptera, Plecoptera, and Trichoptera in subtropical forest streams. <i>Studies on Neotropical Fauna and Environment</i> , 2020, 55, 129-138.	1.0	3
47	Lagoa da Conceição: uma revisão da disponibilidade de dados ecológicos visando o direcionamento de novas pesquisas no ecossistema. <i>Biotemas</i> , 2008, 21, .	0.1	2
48	Uma revisão da disponibilidade de dados ecológicos visando o direcionamento de novas pesquisas na Lagoa do Peri. <i>Biotemas</i> , 2008, 21, .	0.1	2
49	Levantamento taxonômico e caracterização do habitat de insetos aquáticos em Unidades de Conservação de uma ilha subtropical. <i>Biotemas</i> , 2015, 28, 57.	0.1	1
50	Phosphorus dynamics in a subtropical coastal lake in Southern Brazil. <i>Journal of Limnology</i> , 2020, 79, .	1.1	1
51	Exploring the impacts of non-native leaf litter on invertebrate community and leaf decomposition in a Atlantic Forest stream. <i>Acta Limnologica Brasiliensia</i> , 0, 34, .	0.4	1
52	Seasonal changes in primary production and respiration in a subtropical lake undergoing eutrophication. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 565.	2.7	0
53	Anthropogenic effects on the pollutant load of forested watersheds in Southern Brazil. <i>Fundamental and Applied Limnology</i> , 2021, 195, 9-19.	0.7	0
54	Environmental conditions are more effective than nutrient availability and spatial processes on explaining microphytoplankton functional structure in a subtropical hypereutrophic reservoir. <i>Austral Ecology</i> , 0, , .	1.5	0

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55	Trends in aquatic ecology research associated with urbanization evolution during three decades in Santa Catarina Island/SC. <i>Acta Limnologica Brasiliensia</i> , 0, 32, .	0.4	0
56	DINÂMICA NUTRICIONAL DOS DETRITOS VEGETAIS ALGUMAS ESCALAS EM UMA MATA RIPÁRIA SUBTROPICAL. <i>Oecologia Australis</i> , 2020, 24, 601-614.	0.2	0
57	When and how much a non-native tree species changes the temporal patterns and biomass of litterfall input in subtropical streams. <i>Marine and Freshwater Research</i> , 2022, , .	1.3	0