

Alex Enrich-Prast

List of Publications by Year in descending order

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48
papers

2,824
citations

304602

22
h-index

197736

49
g-index

50
all docs

50
docs citations

50
times ranked

4107
citing authors

#	ARTICLE	IF	CITATIONS
1	Technologies for Environmental Safety Application of Digestate as Biofertilizer. Ecological Engineering and Environmental Technology, 2022, 23, 106-119.	0.3	3
2	Non-flooded riparian Amazon trees are a regionally significant methane source. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20200446.	1.6	10
3	Boosting manure biogas production with the application of pretreatments: A meta-analysis. Journal of Cleaner Production, 2022, 362, 132292.	4.6	10
4	Tropical forests as drivers of lake carbon burial. Nature Communications, 2022, 13, .	5.8	5
5	Microbial Succession under Freeze-Thaw Events and Its Potential for Hydrocarbon Degradation in Nutrient-Amended Antarctic Soil. Microorganisms, 2021, 9, 609.	1.6	4
6	Low Diffusive Methane Emissions From the Main Channel of a Large Amazonian Run-of-the-River Reservoir Attributed to High Methane Oxidation. Frontiers in Environmental Science, 2021, 9, .	1.5	6
7	Molecular differences between water column and sediment pore water SPE-DOM in ten Swedish boreal lakes. Water Research, 2020, 170, 115320.	5.3	45
8	Evolution of nitrogen cycling in regrowing Amazonian rainforest. Scientific Reports, 2019, 9, 8538.	1.6	16
9	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
10	Spatiotemporal dynamics of marine bacterial and archaeal communities in surface waters off the northern Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 150-160.	0.6	23
11	Extensive processing of sediment pore water dissolved organic matter during anoxic incubation as observed by high-field mass spectrometry (FTICR-MS). Water Research, 2018, 129, 252-263.	5.3	78
12	Radon-traced porewater as a potential source of CO ₂ and CH ₄ to receding black and clear water environments in the Amazon Basin. Limnology and Oceanography Letters, 2018, 3, 375-383.	1.6	15
13	Large emissions from floodplain trees close the Amazon methane budget. Nature, 2017, 552, 230-234.	13.7	204
14	Chemodiversity of dissolved organic matter in the Amazon Basin. Biogeosciences, 2016, 13, 4279-4290.	1.3	53
15	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
16	Bioremediation of nitrogenous compounds from oilfield wastewater by <i>Ulva lactuca</i> (Chlorophyta). Bioremediation Journal, 2016, 20, 1-9.	1.0	10
17	Sediment Denitrification in Two Contrasting Tropical Shallow Lagoons. Estuaries and Coasts, 2016, 39, 657-663.	1.0	7
18	Controls of Sediment Nitrogen Dynamics in Tropical Coastal Lagoons. PLoS ONE, 2016, 11, e0155586.	1.1	12

#	ARTICLE	IF	CITATIONS
19	Spatial versus Day-To-Day Within-Lake Variability in Tropical Floodplain Lake CH ₄ Emissions – Developing Optimized Approaches to Representative Flux Measurements. <i>PLoS ONE</i> , 2015, 10, e0123319.	1.1	18
20	Isolation, cultivation and genomic analysis of magnetosome biomineralization genes of a new genus of South-seeking magnetotactic cocci within the Alphaproteobacteria. <i>Frontiers in Microbiology</i> , 2014, 5, 72.	1.5	47
21	Microbial diversity and community structure across environmental gradients in Bransfield Strait, Western Antarctic Peninsula. <i>Frontiers in Microbiology</i> , 2014, 5, 647.	1.5	63
22	Response of the methanogenic microbial communities in Amazonian oxbow lake sediments to desiccation stress. <i>Environmental Microbiology</i> , 2014, 16, 1682-1694.	1.8	60
23	Do models of organic carbon mineralization extrapolate to warmer tropical sediments?. <i>Limnology and Oceanography</i> , 2014, 59, 48-54.	1.6	52
24	Distance-Decay and Taxa-Area Relationships for Bacteria, Archaea and Methanogenic Archaea in a Tropical Lake Sediment. <i>PLoS ONE</i> , 2014, 9, e110128.	1.1	37
25	Simultaneous measurements of dark carbon fixation and bacterial production in lake sediment. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 298-303.	1.0	6
26	Experimental evidence of nitrogen control on pCO ₂ in phosphorus-enriched humic and clear coastal lagoon waters. <i>Frontiers in Microbiology</i> , 2013, 4, 11.	1.5	7
27	Dark Carbon Fixation: An Important Process in Lake Sediments. <i>PLoS ONE</i> , 2013, 8, e65813.	1.1	38
28	Methane Carbon Supports Aquatic Food Webs to the Fish Level. <i>PLoS ONE</i> , 2012, 7, e42723.	1.1	81
29	Synergistic control of CO ₂ emissions by fish and nutrients in a humic tropical lake. <i>Oecologia</i> , 2012, 168, 839-847.	0.9	15
30	Extreme Emission of N ₂ O from Tropical Wetland Soil (Pantanal, South America). <i>Frontiers in Microbiology</i> , 2012, 3, 433.	1.5	29
31	Freshwater Methane Emissions Offset the Continental Carbon Sink. <i>Science</i> , 2011, 331, 50-50.	6.0	1,159
32	Short-term spatial and temporal variation of sediment oxygen dynamics in a tropical tidal salt flat. <i>Wetlands Ecology and Management</i> , 2011, 19, 389-395.	0.7	2
33	Methanogenic pathway, ¹³ C isotope fractionation, and archaeal community composition in the sediment of two clear-water lakes of Amazonia. <i>Limnology and Oceanography</i> , 2010, 55, 689-702.	1.6	19
34	Long-Term CO ₂ Variability in Two Shallow Tropical Lakes Experiencing Episodic Eutrophication and Acidification Events. <i>Ecosystems</i> , 2010, 13, 382-392.	1.6	34
35	Methane Emissions from Pantanal, South America, during the Low Water Season: Toward More Comprehensive Sampling. <i>Environmental Science & Technology</i> , 2010, 44, 5450-5455.	4.6	178
36	Methanogenic pathway, ¹³ C isotope fractionation, and archaeal community composition in the sediment of two clear-water lakes of Amazonia. <i>Limnology and Oceanography</i> , 2010, 55, 689-702.	1.6	68

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37	Large CO ₂ disequilibria in tropical lakes. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	94
38	Whole Ecosystem Evidence of Eutrophication Enhancement by Wetland Dredging in a Shallow Tropical Lake. <i>Estuaries and Coasts</i> , 2009, 32, 654-660.	1.0	9
39	Substrate influence and temporal changes on periphytic biomass accrual and metabolism in a tropical humic lagoon. <i>Limnologica</i> , 2009, 39, 209-218.	0.7	21
40	Seasonal changes of dissolved organic carbon photo-oxidation rates in a tropical humic lagoon: the role of rainfall as a major regulator. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1266-1272.	0.7	45
41	Complementary pathways of dissolved organic carbon removal pathways in clear-water Amazonian ecosystems: photochemical degradation and bacterial uptake. <i>FEMS Microbiology Ecology</i> , 2006, 56, 8-17.	1.3	61
42	The Influence of Bauxite Tailings on the Growth and Development of <i>Oryza glumaepatula</i> in an Amazonian Lake. <i>Hydrobiologia</i> , 2006, 563, 87-97.	1.0	2
43	Influence of Hydrological Pulse on Bacterial Growth and DOC Uptake in a Clear-Water Amazonian Lake. <i>Microbial Ecology</i> , 2006, 52, 334-344.	1.4	60
44	Effect of <i>Campylobacter</i> on NH ₄ , DOC Fluxes, O ₂ Uptake and Bacterioplankton Production in Experimental Microcosms with Sediment-Water Interface of an Amazonian Lake Impacted by Bauxite Tailings. <i>International Review of Hydrobiology</i> , 2003, 88, 167-178.	0.5	21
45	Metabolism and Gaseous Exchanges in Two Coastal Lagoons from Rio de Janeiro with Distinct Limnological Characteristics. <i>Brazilian Archives of Biology and Technology</i> , 2001, 44, 433-438.	0.5	14
46	Nitrogen fixation and denitrification in Lagoa Imboacica, a coastal lagoon of Rio de Janeiro State, Brazil. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1998, 26, 1412-1417.	0.1	2
47	Nitrogen and phosphorus concentration of different structures of the aquatic macrophytes <i>Eichhornia azurea</i> Kunth and <i>Scirpus cubensis</i> Poepp & Kunth in relation to water level variation in Lagoa Inferno (São Paulo, Brazil). <i>Hydrobiologia</i> , 1996, 328, 199-205.	1.0	18
48	EDGE INFLUENCE OVER FUNCTIONAL TREE TRAITS IN AN ATLANTIC FOREST REMNANT. <i>Revista Arvore</i> , 0, 46, .	0.5	1