

Armando Sepulveda-Jauregui

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,066
citations

471061

17
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

1312
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogeochemical Distinctiveness of Peatland Ponds, Thermokarst Waterbodies, and Lakes. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
2	Temperature differently affected methanogenic pathways and microbial communities in sub-Antarctic freshwater ecosystems. <i>Environment International</i> , 2021, 154, 106575.	4.8	21
3	Diversifying Chile's climate action away from industrial plantations. <i>Environmental Science and Policy</i> , 2021, 124, 85-89.	2.4	8
4	A synthesis of methane dynamics in thermokarst lake environments. <i>Earth-Science Reviews</i> , 2020, 210, 103365.	4.0	28
5	Sub-oxycline methane oxidation can fully uptake CH ₄ produced in sediments: case study of a lake in Siberia. <i>Scientific Reports</i> , 2020, 10, 3423.	1.6	20
6	Diel variation of CH ₄ and CO ₂ dynamics in two contrasting temperate lakes. <i>Inland Waters</i> , 2020, 10, 333-347.	1.1	13
7	Anaerobic oxidation of methane and associated microbiome in anoxic water of Northwestern Siberian lakes. <i>Science of the Total Environment</i> , 2020, 736, 139588.	3.9	67
8	A simple model for the numerical characterization of spatiotemporal variability in aquatic ecosystems. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	5
9	Evaluation of vegetation communities, water table, and peat composition as drivers of greenhouse gas emissions in lowland tropical peatlands. <i>Science of the Total Environment</i> , 2019, 688, 1193-1204.	3.9	29
10	First evidence for cold-adapted anaerobic oxidation of methane in deep sediments of thermokarst lakes. <i>Environmental Research Communications</i> , 2019, 1, 021002.	0.9	33
11	Protecting Patagonian peatlands in Chile. <i>Science</i> , 2019, 366, 1207-1208.	6.0	5
12	Eutrophication exacerbates the impact of climate warming on lake methane emission. <i>Science of the Total Environment</i> , 2018, 636, 411-419.	3.9	95
13	Synthesizing redox biogeochemistry at aquatic interfaces. <i>Limnologia</i> , 2018, 68, 59-70.	0.7	10
14	Assessment of methane and carbon dioxide emissions in two sub-basins of a small acidic bog lake artificially divided 30 years ago. <i>Freshwater Biology</i> , 2018, 63, 1534-1549.	1.2	8
15	Ubiquitous and significant anaerobic oxidation of methane in freshwater lake sediments. <i>Water Research</i> , 2018, 144, 332-340.	5.3	84
16	A fast and sensitive method for the continuous in situ determination of dissolved methane and its $\delta^{13}\text{C}$ isotope ratio in surface waters. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 273-285.	1.0	7
17	Methane emission from aquatic ecosystems of Mexico City. <i>Aquatic Sciences</i> , 2017, 79, 159-169.	0.6	31
18	Real Time Measurement of Concentration and $\delta^{13}\text{C}$ -CH ₄ in Water. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 460-463.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Anaerobic oxidation of methane by aerobic methanotrophs in sub-Arctic lake sediments. <i>Science of the Total Environment</i> , 2017, 607-608, 23-31.	3.9	113
20	Geographic and seasonal variation of dissolved methane and aerobic methane oxidation in Alaskan lakes. <i>Biogeosciences</i> , 2015, 12, 4595-4606.	1.3	76
21	Thermokarst lake methanogenesis along a complete talik profile. <i>Biogeosciences</i> , 2015, 12, 4317-4331.	1.3	43
22	Methane and carbon dioxide emissions from 40 lakes along a north-south latitudinal transect in Alaska. <i>Biogeosciences</i> , 2015, 12, 3197-3223.	1.3	142
23	Modeling the impediment of methane ebullition bubbles by seasonal lake ice. <i>Biogeosciences</i> , 2014, 11, 6791-6811.	1.3	63
24	Methane emissions from Mexican freshwater bodies: correlations with water pollution. <i>Hydrobiologia</i> , 2014, 721, 9-22.	1.0	35
25	In Situ Measurement of Dissolved Methane and Carbon Dioxide in Freshwater Ecosystems by Off-Axis Integrated Cavity Output Spectroscopy. <i>Environmental Science & Technology</i> , 2014, 48, 11421-11428.	4.6	62
26	The impact of anthropogenic pollution on limnological characteristics of a subtropical highland reservoir "Lago de Guadalupe", Mexico. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2013, , 04.	0.5	10
27	A new method for field measurement of dissolved methane in water using infrared tunable diode laser absorption spectroscopy. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 560-567.	1.0	20
28	Methanogenic activity tests by Infrared Tunable Diode Laser Absorption Spectroscopy. <i>Journal of Microbiological Methods</i> , 2012, 91, 89-92.	0.7	5