Jakob Zopfi

List of Publications by Year
in descending order

66	4,260	109264 35	110317 64
papers	citations	h-index	g-index

77	77	77	5116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributions and sources of isoprenoidal GDGTs in Lake Lugano and other central European (peri-)alpine lakes: Lessons for their use as paleotemperature proxies. Quaternary Science Reviews, 2022, 277, 107352.	1.4	19
2	Multiple Groups of Methanotrophic Bacteria Mediate Methane Oxidation in Anoxic Lake Sediments. Frontiers in Microbiology, 2022, 13, .	1.5	4
3	Isotopic signatures of biotic and abiotic <scp>N₂O</scp> production and consumption in the water column of meromictic, ferruginous Lake La Cruz (Spain). Limnology and Oceanography, 2022, 67, 1760-1775.	1.6	1
4	Whole-Genome Assemblies of 16 Burkholderia pseudomallei Isolates from Rivers in Laos. Microbiology Resource Announcements, 2021, 10, .	0.3	3
5	Comprehensive dataset of shotgun metagenomes from oxygen stratified freshwater lakes and ponds. Scientific Data, 2021, 8, 131.	2.4	48
6	Methane oxidation in the waters of a humic-rich boreal lake stimulated by photosynthesis, nitrite, Fe(III) and humics. Biogeosciences, 2021, 18, 3087-3101.	1.3	20
7	Targeted non-invasive bioindicator species detection in eDNA water samples to assess and monitor the integrity of vulnerable alpine freshwater environments. Ecological Indicators, 2021, 129, 107916.	2.6	15
8	Shifts in mercury methylation across a peatland chronosequence: From sulfate reduction to methanogenesis and syntrophy. Journal of Hazardous Materials, 2020, 387, 121967.	6.5	38
9	Manganese/ironâ€supported sulfateâ€dependent anaerobic oxidation of methane by archaea in lake sediments. Limnology and Oceanography, 2020, 65, 863-875.	1.6	54
10	Environmental factors determining distribution and activity of anammox bacteria in minerotrophic fen soils. FEMS Microbiology Ecology, 2020, 96, .	1.3	5
11	Controls of H2S, Fe2 +, and Mn2 + on Microbial NO3â€“-Reducing Processes in Sediments of an Eutrophic Lake. Frontiers in Microbiology, 2020, 11, 1158.	1.5	23
12	Amino acid and amino sugar compositional changes during in vitro degradation of algal organic matter indicate rapid bacterial re-synthesis. Geochimica Et Cosmochimica Acta, 2020, 283, 67-84.	1.6	18
13	Lacustrine Groundwater Discharge Through Giant Pockmarks (Lake Neuchatel, Switzerland). Frontiers in Water, 2020, 2, .	1.0	9
14	Evaluating radioisotopeâ€based approaches to measure anaerobic methane oxidation rates in lacustrine sediments. Limnology and Oceanography: Methods, 2019, 17, 429-438.	1.0	8
15	Complete genome sequence of Pseudoalteromonas virus vB_PspP-H6/1 that infects Pseudoalteromonas sp. strain H6. Marine Genomics, 2019, 47, 100667.	0.4	2
16	Direct O₂ control on the partitioning between denitrification and dissimilatory nitrate reduction to ammonium in lake sediments. Biogeosciences, 2019, 16, 4705-4718.	1.3	14
17	Life on the edge: active microbial communities in the Kryos MgCl2-brine basin at very low water activity. ISME Journal, 2018, 12, 1414-1426.	4.4	42
18	Geobacteraceae are important members of mercury-methylating microbial communities of sediments impacted by waste water releases. ISME Journal, 2018, 12, 802-812.	4.4	96

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19	Redox-dependent niche differentiation provides evidence for multiple bacterial sources of glycerol tetraether lipids in lakes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10926-10931.	3.3	94
20	Rivers as carriers and potential sentinels for Burkholderia pseudomallei in Laos. Scientific Reports, 2018, 8, 8674.	1.6	19
21	Isotopic constraints on water source mixing, network leakage and contamination in an urban groundwater system. Science of the Total Environment, 2017, 583, 202-213.	3.9	48
22	Complete genome sequence of Pseudoalteromonas phage vB_PspS-H40/1 (formerly H40/1) that infects Pseudoalteromonas sp. strain H40 and is used as biological tracer in hydrological transport studies. Standards in Genomic Sciences, 2017, 12, 20.	1.5	8
23	Effects of low oxygen concentrations on aerobic methane oxidation in seasonally hypoxic coastal waters. Biogeosciences, 2017, 14, 1631-1645.	1.3	66
24	Complete Genome Sequence of Alteromonas Virus vB_AspP-H4/4. Genome Announcements, 2017, 5, .	0.8	10
25	Photoferrotrophy: Remains of an Ancient Photosynthesis in Modern Environments. Frontiers in Microbiology, 2017, 08, 323.	1.5	75
26	Ice nucleators, bacterial cells and <i>Pseudomonas syringae</i> in precipitation at Jungfraujoch. Biogeosciences, 2017, 14, 1189-1196.	1.3	33
27	Methanotrophy under Versatile Conditions in the Water Column of the Ferruginous Meromictic Lake La Cruz (Spain). Frontiers in Microbiology, 2016, 7, 1762.	1.5	41
28	Differential N₂ O dynamics in two oxygen-deficient lake basins revealed by stable isotope and isotopomer distributions. Limnology and Oceanography, 2016, 61, 1735-1749.	1.6	26
29	Linked sediment and waterâ€column methanotrophy at a manâ€made gas blowout in the North Sea: Implications for methane budgeting in seasonally stratified shallow seas. Limnology and Oceanography, 2016, 61, S367.	1.6	31
30	Powering up the â€œbiogeochemical engineâ€: the impact of exceptional ventilation of a deep meromictic lake on the lacustrine redox, nutrient, and methane balances. Frontiers in Earth Science, 2015, 3, .	0.8	31
31	Molecular and geochemical constraints on anaerobic ammonium oxidation (anammox) in a riparian zone of the Seine Estuary (France). Biogeochemistry, 2015, 123, 237-250.	1.7	47
32	High methylmercury production under ferruginous conditions in sediments impacted by sewage treatment plant discharges. Water Research, 2015, 80, 245-255.	5.3	57
33	Bio-inoculation of yerba mate seedlings (Ilex paraguariensis St. Hill.) with native plant growth-promoting rhizobacteria: a sustainable alternative to improve crop yield. Biology and Fertility of Soils, 2015, 51, 749-755.	2.3	46
34	Spatial variations in surface water methane super-saturation and emission in Lake Lugano, southern Switzerland. Aquatic Sciences, 2015, 77, 535-545.	0.6	32
35	Bacterial methanotrophs drive the formation of a seasonal anoxic benthic nepheloid layer in an alpine lake. Limnology and Oceanography, 2014, 59, 1410-1420.	1.6	27
36	Phototrophic Fe(II)-oxidation in the chemocline of a ferruginous meromictic lake. Frontiers in Microbiology, 2014, 5, 713.	1.5	61

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37	Partitioning between benthic and pelagic nitrate reduction in the Lake Lugano south basin. Limnology and Oceanography, 2014, 59, 1421-1433.	1.6	30
38	Volatiles produced by soilâ€borne endophytic bacteria increase plant pathogen resistance and affect tritrophic interactions. Plant, Cell and Environment, 2014, 37, 813-826.	2.8	214
39	Extremely elevated methyl mercury levels in water, sediment and organisms in a Romanian reservoir affected by release of mercury from a chlor-alkali plant. Water Research, 2014, 49, 391-405.	5.3	93
40	Community N and O isotope fractionation by sulfide-dependent denitrification and anammox in a stratified lacustrine water column. Geochimica Et Cosmochimica Acta, 2014, 125, 551-563.	1.6	53
41	Microâ€aerobic bacterial methane oxidation in the chemocline and anoxic water column of deep southâ€Alpine Lake Lugano (Switzerland). Limnology and Oceanography, 2014, 59, 311-324.	1.6	129
42	Anaerobic ammonium oxidation (anammox) bacteria and sulfideâ€dependent denitrifiers coexist in the water column of a meromictic southâ€alpine lake. Limnology and Oceanography, 2013, 58, 1-12.	1.6	104
43	Fungi, bacteria and soil <scp>pH</scp>: the oxalateâ€“carbonate pathway as a model for metabolic interaction. Environmental Microbiology, 2012, 14, 2960-2970.	1.8	91
44	Abundance of anammox bacteria in different wetland soils. Environmental Microbiology Reports, 2012, 4, 484-490.	1.0	83
45	Composition of bacterial and archaeal communities in freshwater sediments with different contamination levels (Lake Geneva, Switzerland). Water Research, 2011, 45, 1213-1228.	5.3	192
46	Intrinsic biodegradation potential of aromatic hydrocarbons in an alluvial aquifer â€“ Potentials and limits of signature metabolite analysis and two stable isotope-based techniques. Water Research, 2011, 45, 4459-4469.	5.3	34
47	Molecular detection of anammox bacteria in terrestrial ecosystems: distribution and diversity. ISME Journal, 2010, 4, 450-454.	4.4	247
48	New insights into the transport of sediments and microorganisms in karst groundwater by continuous monitoring of particle-size distribution. Geologia Croatica, 2010, 63, .	0.3	26
49	Effect of molecule size on carbon isotope fractionation during biodegradation of chlorinated alkanes byXanthobacter autotrophicusGJ10. Isotopes in Environmental and Health Studies, 2009, 45, 18-26.	0.5	15
50	Evaluating the fate of chlorinated ethenes in streambed sediments by combining stable isotope, geochemical and microbial methods. Journal of Contaminant Hydrology, 2009, 107, 10-21.	1.6	70
51	Microbial communities in karst groundwater and their potential use for biomonitoring. Hydrogeology Journal, 2009, 17, 37-48.	0.9	119
52	Use of particulate surrogates for assessing microbial mobility in subsurface ecosystems. Hydrogeology Journal, 2009, 17, 49-59.	0.9	18
53	Origin and spatialâ€“temporal distribution of faecal bacteria in a bay of Lake Geneva, Switzerland. Environmental Monitoring and Assessment, 2009, 154, 337-348.	1.3	31
54	Percolation and Particle Transport in the Unsaturated Zone of a Karst Aquifer. Ground Water, 2009, 47, 361-369.	0.7	123

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55	Carbon and Chlorine Isotope Fractionation during Aerobic Oxidation and Reductive Dechlorination of Vinyl Chloride and cis-1,2-Dichloroethene. Environmental Science & Technology, 2009, 43, 101-107.	4.6	133
56	Biogeochemistry of sulfur and iron in Thioploca-colonized surface sediments in the upwelling area off central chile. Geochimica Et Cosmochimica Acta, 2008, 72, 827-843.	1.6	73
57	Particle-Size Distribution As Indicator for Fecal Bacteria Contamination of Drinking Water from Karst Springs. Environmental Science & Technology, 2007, 41, 8400-8405.	4.6	122
58	Characterizing Water Circulation and Contaminant Transport in Lake Geneva Using Bacteriophage Tracer Experiments and Limnological Methods. Environmental Science & Technology, 2007, 41, 5252-5258.	4.6	38
59	Dynamics and interaction of organic carbon, turbidity and bacteria in a karst aquifer system. Hydrogeology Journal, 2006, 14, 473-484.	0.9	142
60	Biogeochemistry of an Iron-Rich Hypersaline Microbial Mat (Camargue, France). Microbial Ecology, 2005, 49, 34-49.	1.4	48
61	Sulfate reduction and anaerobic methane oxidation in Black Sea sediments. Deep-Sea Research Part I: Oceanographic Research Papers, 2001, 48, 2097-2120.	0.6	222
62	Ecology of Thioploca spp.: Nitrate and Sulfur Storage in Relation to Chemical Microgradients and Influence of Thioploca spp. on the Sedimentary Nitrogen Cycle. Applied and Environmental Microbiology, 2001, 67, 5530-5537.	1.4	105
63	Influence of water column dynamics on sulfide oxidation and other major biogeochemical processes in the chemocline of Mariager Fjord (Denmark). Marine Chemistry, 2001, 74, 29-51.	0.9	142
64	Nitrogen, Carbon, and Sulfur Metabolism in Natural Thioploca Samples. Applied and Environmental Microbiology, 1999, 65, 3148-3157.	1.4	223
65	Distribution of Sulfate-Reducing and Methanogenic Bacteria in Anaerobic Aggregates Determined by Microsensor and Molecular Analyses. Applied and Environmental Microbiology, 1999, 65, 4618-4629.	1.4	131
66	Rapid atrazine mineralisation in soil slurry and moist soil by inoculation of an atrazine-degrading Pseudomonas sp. strain. Applied Microbiology and Biotechnology, 1998, 49, 624-630.	1.7	31