

Ingeborg Bussmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

771
citations

16
h-index

27
g-index

39
ext. papers

907
ext. citations

4.2
avg, IF

3.94
L-index

#	Paper	IF	Citations
27	The importance of shelf processes for the modification of chemical constituents in the waters of the Eurasian Arctic Ocean: implication for carbon fluxes. <i>Continental Shelf Research</i> , 2001 , 21, 225-242	2.4	92
26	Effects of climate change on methane emissions from seafloor sediments in the Arctic Ocean: A review. <i>Limnology and Oceanography</i> , 2016 , 61, S283-S299	4.8	78
25	<i>Methylosoma difficile</i> gen. nov., sp. nov., a novel methanotroph enriched by gradient cultivation from littoral sediment of Lake Constance. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007 , 57, 1073-1080	2.2	71
24	Water column methanotrophy controlled by a rapid oceanographic switch. <i>Nature Geoscience</i> , 2015 , 8, 378-382	18.3	67
23	Factors influencing the cultivability of lake water bacteria. <i>Journal of Microbiological Methods</i> , 2001 , 47, 41-50	2.8	55
22	Cultivation of methanotrophic bacteria in opposing gradients of methane and oxygen. <i>FEMS Microbiology Ecology</i> , 2006 , 56, 331-44	4.3	52
21	Preferential cultivation of type II methanotrophic bacteria from littoral sediments (Lake Constance). <i>FEMS Microbiology Ecology</i> , 2004 , 47, 179-89	4.3	50
20	Methane Release through Resuspension of Littoral Sediment. <i>Biogeochemistry</i> , 2005 , 74, 283-302	3.8	35
19	Environmental factors affecting methane distribution and bacterial methane oxidation in the German Bight (North Sea). <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 160, 10-21	2.9	31
18	Distribution of methane in the Lena Delta and Buor-Khaya Bay, Russia. <i>Biogeosciences</i> , 2013 , 10, 4641-4658	4.8	29
17	Toxic effects of lab-grade butyl rubber stoppers on aerobic methane oxidation. <i>Limnology and Oceanography: Methods</i> , 2015 , 13, 40-52	2.6	28
16	Distribution of dissolved organic carbon in the central Arctic Ocean: the influence of physical and biological properties. <i>Journal of Marine Systems</i> , 2000 , 27, 209-219	2.7	23
15	Assessment of the radio ³ H-CH ₄ tracer technique to measure aerobic methane oxidation in the water column. <i>Limnology and Oceanography: Methods</i> , 2015 , 13, 312-327	2.6	21
14	Distribution, morphology, and formation of pockmarks in Lake Constance, Germany. <i>Limnology and Oceanography</i> , 2010 , 55, 2623-2633	4.8	20
13	Active pockmarks in a large lake (Lake Constance, Germany): Effects on methane distribution and turnover in the sediment. <i>Limnology and Oceanography</i> , 2011 , 56, 379-393	4.8	18
12	Methane distribution and methane oxidation in the water column of the Elbe estuary, Germany. <i>Aquatic Sciences</i> , 2017 , 79, 443-458	2.5	16
11	Gas-emission craters of the Yamal and Gydan peninsulas: A proposed mechanism for lake genesis and development of permafrost landscapes. <i>Permafrost and Periglacial Processes</i> , 2019 , 30, 146	4.2	16

10	Methane distribution and oxidation around the Lena Delta in summer 2013. <i>Biogeosciences</i> , 2017 , 14, 4985-5002	4.6	14
9	Methane turnover and methanotrophic communities in arctic aquatic ecosystems of the Lena Delta, Northeast Siberia. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	14
8	Fate of methane bubbles released by pockmarks in Lake Constance. <i>Biogeochemistry</i> , 2013 , 112, 613-623.	3.8	12
7	Methane release from sediment seeps to the atmosphere is counteracted by highly active Methylococcaceae in the water column of deep oligotrophic Lake Constance. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	10
6	Methane dynamics in a large river: a case study of the Elbe River. <i>Aquatic Sciences</i> , 2019 , 81, 1	2.5	9
5	A modified diffusion-based methane sensor and its application in freshwater sediment. <i>Limnology and Oceanography: Methods</i> , 2006 , 4, 275-283	2.6	4
4	Methane Pathways in Winter Ice of Thermokarst Lakes, Lagoons and Coastal Waters in North Siberia		2
3	Methane pathways in winter ice of a thermokarst lake lagoon coastal water transect in north Siberia. <i>Cryosphere</i> , 2021 , 15, 1607-1625	5.5	2
2	Methane dynamics in three different Siberian water bodies under winter and summer conditions. <i>Biogeosciences</i> , 2021 , 18, 2047-2061	4.6	1
1	Methylomonas albis sp. nov. and Methylomonas fluvii sp. nov.: Two cold-adapted methanotrophs from the river Elbe and emended description of the species Methylovulum psychrotolerans. <i>Systematic and Applied Microbiology</i> , 2021 , 44, 126248	4.2	0