

# Ingeborg Bussmann

## List of Publications by Year in Descending Order

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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	Methane pathways in winter ice of a thermokarst lake lagoon coastal water transect in north Siberia. <i>Cryosphere</i> , <b>2021</b> , 15, 1607-1625	5.5	2
26	Methane dynamics in three different Siberian water bodies under winter and summer conditions. <i>Biogeosciences</i> , <b>2021</b> , 18, 2047-2061	4.6	1
25	<i>Methylomonas albis</i> sp. nov. and <i>Methylomonas fluvii</i> sp. nov.: Two cold-adapted methanotrophs from the river Elbe and emended description of the species <i>Methylovulum psychrotolerans</i> . <i>Systematic and Applied Microbiology</i> , <b>2021</b> , 44, 126248	4.2	0
24	Methane dynamics in a large river: a case study of the Elbe River. <i>Aquatic Sciences</i> , <b>2019</b> , 81, 1	2.5	9
23	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> , <b>2019</b> , 30, 146	4.2	16
22	Methane distribution and methane oxidation in the water column of the Elbe estuary, Germany. <i>Aquatic Sciences</i> , <b>2017</b> , 79, 443-458	2.5	16
21	Methane distribution and oxidation around the Lena Delta in summer 2013. <i>Biogeosciences</i> , <b>2017</b> , 14, 4985-5002	4.6	14
20	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> , <b>2016</b> , 92,	4.3	10
19	Effects of climate change on methane emissions from seafloor sediments in the Arctic Ocean: A review. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, S283-S299	4.8	78
18	Methane turnover and methanotrophic communities in arctic aquatic ecosystems of the Lena Delta, Northeast Siberia. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92,	4.3	14
17	Environmental factors affecting methane distribution and bacterial methane oxidation in the German Bight (North Sea). <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 160, 10-21	2.9	31
16	Water column methanotrophy controlled by a rapid oceanographic switch. <i>Nature Geoscience</i> , <b>2015</b> , 8, 378-382	18.3	67
15	Assessment of the radio <sup>3</sup> H-CH <sub>4</sub> tracer technique to measure aerobic methane oxidation in the water column. <i>Limnology and Oceanography: Methods</i> , <b>2015</b> , 13, 312-327	2.6	21
14	Toxic effects of lab-grade butyl rubber stoppers on aerobic methane oxidation. <i>Limnology and Oceanography: Methods</i> , <b>2015</b> , 13, 40-52	2.6	28
13	Fate of methane bubbles released by pockmarks in Lake Constance. <i>Biogeochemistry</i> , <b>2013</b> , 112, 613-623	3.8	12
12	Distribution of methane in the Lena Delta and Buor-Khaya Bay, Russia. <i>Biogeosciences</i> , <b>2013</b> , 10, 4641-4658	4.8	29
11	Active pockmarks in a large lake (Lake Constance, Germany): Effects on methane distribution and turnover in the sediment. <i>Limnology and Oceanography</i> , <b>2011</b> , 56, 379-393	4.8	18

10	Distribution, morphology, and formation of pockmarks in Lake Constance, Germany. <i>Limnology and Oceanography</i> , <b>2010</b> , 55, 2623-2633	4.8	20
9	Methylosoma difficile 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> , <b>2007</b> , 57, 1073-1080	2.2	71
8	A modified diffusion-based methane sensor and its application in freshwater sediment. <i>Limnology and Oceanography: Methods</i> , <b>2006</b> , 4, 275-283	2.6	4
7	Cultivation of methanotrophic bacteria in opposing gradients of methane and oxygen. <i>FEMS Microbiology Ecology</i> , <b>2006</b> , 56, 331-44	4.3	52
6	Methane Release through Resuspension of Littoral Sediment. <i>Biogeochemistry</i> , <b>2005</b> , 74, 283-302	3.8	35
5	Preferential cultivation of type II methanotrophic bacteria from littoral sediments (Lake Constance). <i>FEMS Microbiology Ecology</i> , <b>2004</b> , 47, 179-89	4.3	50
4	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> , <b>2001</b> , 21, 225-242	2.4	92
3	Factors influencing the cultivability of lake water bacteria. <i>Journal of Microbiological Methods</i> , <b>2001</b> , 47, 41-50	2.8	55
2	Distribution of dissolved organic carbon in the central Arctic Ocean: the influence of physical and biological properties. <i>Journal of Marine Systems</i> , <b>2000</b> , 27, 209-219	2.7	23
1	Methane Pathways in Winter Ice of Thermokarst Lakes, Lagoons and Coastal Waters in North Siberia		2