

Eva-Maria Pfeiffer

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,904
citations

393982

19
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

2391
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane emission from Siberian arctic polygonal tundra: eddy covariance measurements and modeling. <i>Global Change Biology</i> , 2008, 14, 1395-1408.	4.2	224
2	Effect of microrelief and vegetation on methane emission from wet polygonal tundra, Lena Delta, Northern Siberia. <i>Biogeochemistry</i> , 2004, 69, 341-362.	1.7	207
3	Methane production as key to the greenhouse gas budget of thawing permafrost. <i>Nature Climate Change</i> , 2018, 8, 309-312.	8.1	194
4	Degradability of black carbon and its impact on trace gas fluxes and carbon turnover in paddy soils. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1768-1778.	4.2	190
5	Predicting long-term carbon mineralization and trace gas production from thawing permafrost of the northeast Siberia. <i>Global Change Biology</i> , 2013, 19, 1160-1172.	4.2	161
6	Methanogenic activity and biomass in Holocene permafrost deposits of the Lena Delta, Siberian Arctic and its implication for the global methane budget. <i>Global Change Biology</i> , 2007, 13, 1089-1099.	4.2	121
7	Regulation of soil organic matter decomposition in permafrost-affected Siberian tundra soils - Impact of oxygen availability, freezing and thawing, temperature, and labile organic matter. <i>Soil Biology and Biochemistry</i> , 2017, 110, 34-43.	4.2	104
8	Methane oxidation associated with submerged brown mosses reduces methane emissions from Siberian polygonal tundra. <i>Journal of Ecology</i> , 2011, 99, 914-922.	1.9	91
9	Characterisation of microbial community composition of a Siberian tundra soil by fluorescence in situ hybridisation. <i>FEMS Microbiology Ecology</i> , 2004, 50, 13-23.	1.3	90
10	Regulation of methane production, oxidation, and emission by vascular plants and bryophytes in ponds of the northeast Siberian polygonal tundra. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2525-2541.	1.3	60
11	Relevance of soil physical properties for the microbial oxidation of methane in landfill covers. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1759-1767.	4.2	59
12	Assessment of the methane oxidation capacity of compacted soils intended for use as landfill cover materials. <i>Waste Management</i> , 2011, 31, 833-842.	3.7	50
13	Permafrost Thaw and Liberation of Inorganic Nitrogen in Eastern Siberia. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 605-618.	1.5	43
14	Spatial variability of soil gas concentration and methane oxidation capacity in landfill covers. <i>Waste Management</i> , 2011, 31, 926-934.	3.7	41
15	Stoichiometric analysis of nutrient availability (N, P, K) within soils of polygonal tundra. <i>Biogeochemistry</i> , 2015, 122, 211-227.	1.7	38
16	Two temperature optima of methane production in a typical soil of the Elbe river marshland. <i>FEMS Microbiology Ecology</i> , 2006, 22, 145-153.	1.3	37
17	Temporal variability of soil gas composition in landfill covers. <i>Waste Management</i> , 2011, 31, 935-945.	3.7	31
18	Validation of a simple model to predict the performance of methane oxidation systems, using field data from a large scale biocover test field. <i>Waste Management</i> , 2016, 56, 280-289.	3.7	26

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19	Enzyme activities and litter decomposition in agricultural soils in northern, central, and southern Germany. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 197-204.	1.1	21
20	A long-term (2002 to 2017) record of closed-path and open-path eddy covariance CO ₂ and CH ₄ net ecosystem exchange fluxes from the Siberian Arctic. <i>Earth System Science Data</i> , 2019, 11, 221-240.	3.7	20
21	Impact of biochar on nutrient supply, crop yield and microbial respiration on sandy soils of northern Germany. <i>European Journal of Soil Science</i> , 2021, 72, 1885-1901.	1.8	19
22	Carbon Dioxide and Methane Release Following Abrupt Thaw of Pleistocene Permafrost Deposits in Arctic Siberia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	1.3	17
23	Partitioning net ecosystem exchange of CO ₂ and CH ₄ on the pedon scale in the Lena River Delta, Siberia. <i>Biogeosciences</i> , 2019, 16, 1543-1562.	1.3	15
24	Greenhouse gas production in degrading ice-rich permafrost deposits in northeastern Siberia. <i>Biogeosciences</i> , 2018, 15, 5423-5436.	1.3	14
25	Humus accumulation and microbial activities in calcari-epigleyic fluvisols under grassland and forest diked in for 30 years. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2163-2166.	4.2	10
26	Ecosystem Manipulation and Restoration on the Basis of Long-Term Conceptions. , 2010, , 411-428.		7
27	Optimisation of bioscrubber systems to simultaneously remove methane and purify wastewater from intensive pig farms. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15847-15856.	2.7	5
28	Soil phases: the living phase. , 2006, , 91-102.		2
29	Methanogenic activity and biomass in Holocene permafrost deposits of the Lena Delta, Siberian Arctic and its implication for the global methane budget. <i>Global Change Biology</i> , 2007, .	4.2	1
30	Carbon Sequestration in Coastal Soils under Different Land Use in Schleswig-Holstein, Northern Germany. <i>Environment and Natural Resources Research</i> , 2011, 1, .	0.1	0
31	Editorial "Environmental Changes and Sustainability of Biogeochemical Cycling. <i>Geomicrobiology Journal</i> , 2011, 28, 565-566.	1.0	0
32	Boden. , 2017, , 203-213.		0