Eva-Maria Pfeiffer

List of Publications by Year
in descending order

33	1,904	394421 19	477307 29
papers	citations	h-index	g-index

35	35	35	2391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methane emission from Siberian arctic polygonal tundra: eddy covariance measurements and modeling. Global Change Biology, 2008, 14, 1395-1408.	9.5	224
2	Effect of microrelief and vegetation on methane emission from wet polygonal tundra, Lena Delta, Northern Siberia. Biogeochemistry, 2004, 69, 341-362.	3.5	207
3	Methane production as key to the greenhouse gas budget of thawing permafrost. Nature Climate Change, 2018, 8, 309-312.	18.8	194
4	Degradability of black carbon and its impact on trace gas fluxes and carbon turnover in paddy soils. Soil Biology and Biochemistry, 2011, 43, 1768-1778.	8.8	190
5	Predicting longâ€term carbon mineralization and trace gas production from thawing permafrost of <scp>N</scp>ortheast <scp>S</scp>iberia. Global Change Biology, 2013, 19, 1160-1172.	9.5	161
6	Methanogenic activity and biomass in Holocene permafrost deposits of the Lena Delta, Siberian Arctic and its implication for the global methane budget. Global Change Biology, 2007, 13, 1089-1099.	9.5	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. Soil Biology and Biochemistry, 2017, 110, 34-43.	8.8	104
8	Methane oxidation associated with submerged brown mosses reduces methane emissions from Siberian polygonal tundra. Journal of Ecology, 2011, 99, 914-922.	4.0	91
9	Characterisation of microbial community composition of a Siberian tundra soil by fluorescence in situ hybridisation. FEMS Microbiology Ecology, 2004, 50, 13-23.	2.7	90
10	Regulation of methane production, oxidation, and emission by vascular plants and bryophytes in ponds of the northeast Siberian polygonal tundra. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2525-2541.	3.0	60
11	Relevance of soil physical properties for the microbial oxidation of methane in landfill covers. Soil Biology and Biochemistry, 2011, 43, 1759-1767.	8.8	59
12	Assessment of the methane oxidation capacity of compacted soils intended for use as landfill cover materials. Waste Management, 2011, 31, 833-842.	7.4	50
13	Permafrost Thaw and Liberation of Inorganic Nitrogen in Eastern Siberia. Permafrost and Periglacial Processes, 2017, 28, 605-618.	3.4	43
14	Spatial variability of soil gas concentration and methane oxidation capacity in landfill covers. Waste Management, 2011, 31, 926-934.	7.4	41
15	Stoichiometric analysis of nutrient availability (N, P, K) within soils of polygonal tundra. Biogeochemistry, 2015, 122, 211-227.	3.5	38
16	Two temperature optima of methane production in a typical soil of the Elbe river marshland. FEMS Microbiology Ecology, 2006, 22, 145-153.	2.7	37
17	Temporal variability of soil gas composition in landfill covers. Waste Management, 2011, 31, 935-945.	7.4	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. Waste Management, 2016, 56, 280-289.	7.4	26

#	Article	IF	Citations
19	Enzyme activities and litter decomposition in agricultural soils in northern, central, and southern Germany. Journal of Plant Nutrition and Soil Science, 2007, 170, 197-204.	1.9	21
20	A long-term (2002 to 2017) record of closed-path and open-path eddy covariance CO₂ net ecosystem exchange fluxes from the Siberian Arctic. Earth System Science Data, 2019, 11, 221-240.	9.9	20
21	Impact of biochar on nutrient supply, crop yield and microbial respiration on sandy soils of northern Germany. European Journal of Soil Science, 2021, 72, 1885-1901.	3.9	19
22	Carbon Dioxide and Methane Release Following Abrupt Thaw of Pleistocene Permafrost Deposits in Arctic Siberia. Journal of Geophysical Research G: Biogeosciences, 2021, 126, .	3.0	17
23	Partitioning net ecosystem exchange of CO₂ on the pedon scale in the Lena River Delta, Siberia. Biogeosciences, 2019, 16, 1543-1562.	3.3	15
24	Greenhouse gas production in degrading ice-rich permafrost deposits in northeastern Siberia. Biogeosciences, 2018, 15, 5423-5436.	3.3	14
25	Humus accumulation and microbial activities in calcari-epigleyic fluvisols under grassland and forest diked in for 30 years. Soil Biology and Biochemistry, 2005, 37, 2163-2166.	8.8	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. Environmental Science and Pollution Research, 2019, 26, 15847-15856.	5.3	5
28	Two temperature optima of methane production in a typical soil of the Elbe river marshland. FEMS Microbiology Ecology, 1997, 22, 145-153.	2.7	5
29	Soil phases: the living phase. , 2006, , 91-102.		2
30	Methanogenic activity and biomass in Holocene permafrost deposits of the Lena Delta, Siberian Arctic and its implication for the global methane budget. Global Change Biology, 2007, .	9.5	1
31	Carbon Sequestration in Coastal Soils under Different Land Use in Schleswig-Holstein, Northern Germany. Environment and Natural Resources Research, 2011, 1, .	0.1	0
32	Editorialâ€“Environmental Changes and Sustainability of Biogeochemical Cycling. Geomicrobiology Journal, 2011, 28, 565-566.	2.0	0
33	Boden. , 2017, , 203-213.		0