

# Franziska Koebsch

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

728  
citations

567281

15  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1122  
citing authors

#	ARTICLE	IF	CITATIONS
1	The climate benefits of topsoil removal and <i>Sphagnum</i> introduction in raised bog restoration. <i>Restoration Ecology</i> , 2022, 30, e13490.	2.9	16
2	Drought years in peatland rewetting: rapid vegetation succession can maintain the net CO <sub>2</sub> sink function. <i>Biogeosciences</i> , 2021, 18, 917-935.	3.3	13
3	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. <i>Global Change Biology</i> , 2021, 27, 3582-3604.	9.5	59
4	Congruent changes in microbial community dynamics and ecosystem methane fluxes following natural drought in two restored fens. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108348.	8.8	15
5	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH <sub>4</sub> wetlands. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108528.	4.8	33
6	Refining the role of phenology in regulating gross ecosystem productivity across European peatlands. <i>Global Change Biology</i> , 2020, 26, 876-887.	9.5	25
7	The impact of occasional drought periods on vegetation spread and greenhouse gas exchange in rewetted fens. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190685.	4.0	25
8	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190524.	4.0	35
9	From Understanding to Sustainable Use of Peatlands: The WETSCAPES Approach. <i>Soil Systems</i> , 2020, 4, 14.	2.6	45
10	Prompt rewetting of drained peatlands reduces climate warming despite methane emissions. <i>Nature Communications</i> , 2020, 11, 1644.	12.8	168
11	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. <i>Biogeosciences</i> , 2019, 16, 1937-1953.	3.3	29
12	Interdisciplinary Geoecological Research across Time Scales in the Northeast German Lowland Observatory (TERENO-NE). <i>Vadose Zone Journal</i> , 2018, 17, 1-25.	2.2	29
13	Predominance of methanogens over methanotrophs in rewetted fens characterized by high methane emissions. <i>Biogeosciences</i> , 2018, 15, 6519-6536.	3.3	38
14	High net CO <sub>2</sub> and CH <sub>4</sub> release at a eutrophic shallow lake on a formerly drained fen. <i>Biogeosciences</i> , 2016, 13, 3051-3070.	3.3	56
15	Controls for multi-scale temporal variation in ecosystem methane exchange during the growing season of a permanently inundated fen. <i>Agricultural and Forest Meteorology</i> , 2015, 204, 94-105.	4.8	67
16	Spatial Variability of Annual Estimates of Methane Emissions in a <i>Phragmites Australis</i> (Cav.) Trin. ex Steud. Dominated Restored Coastal Brackish Fen. <i>Wetlands</i> , 2014, 34, 593-602.	1.5	23
17	Vegetation controls methane emissions in a coastal brackish fen. <i>Wetlands Ecology and Management</i> , 2013, 21, 323-337.	1.5	31
18	CO <sub>2</sub> exchange of a temperate fen during the conversion from moderately rewetting to flooding. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 940-950.	3.0	21