

# Maija E Marushchak

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,511  
citations

394421  
19  
h-index

610901  
24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2243  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the importance of mineral nitrogen cycling in the plant-soil-microbe system of permafrost-affected soilsâ€”changing the paradigm. <i>Environmental Research Letters</i> , 2022, 17, 013004.	5.2	29
2	The ABCflux database: Arcticâ€™boreal CO <sub>2</sub> flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , 2022, 14, 179-208.	9.9	22
3	Emissions of atmospherically reactive gases nitrous acid and nitric oxide from Arctic permafrost peatlands. <i>Environmental Research Letters</i> , 2022, 17, 024034.	5.2	5
4	Sources of nitrous oxide and the fate of mineral nitrogen in subarctic permafrost peat soils. <i>Biogeosciences</i> , 2022, 19, 2683-2698.	3.3	4
5	In-depth characterization of denitrifier communities across different soil ecosystems in the tundra. <i>Environmental Microbiomes</i> , 2022, 17, .	5.0	25
6	Statistical upscaling of ecosystem CO <sub>2</sub> fluxes across the terrestrial tundra and boreal domain: Regional patterns and uncertainties. <i>Global Change Biology</i> , 2021, 27, 4040-4059.	9.5	83
7	Warming climate forcing impact from a sub-arctic peatland as a result of late Holocene permafrost aggradation and initiation of bare peat surfaces. <i>Quaternary Science Reviews</i> , 2021, 264, 107022.	3.0	3
8	Thawing Yedoma permafrost is a neglected nitrous oxide source. <i>Nature Communications</i> , 2021, 12, 7107.	12.8	24
9	Large stocks of peatland carbon and nitrogen are vulnerable to permafrost thaw. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20438-20446.	7.1	307
10	Nitrous oxide emissions from permafrost-affected soils. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 420-434.	29.7	90
11	Archaeal nitrification is a key driver of high nitrous oxide emissions from arctic peatlands. <i>Soil Biology and Biochemistry</i> , 2019, 137, 107539.	8.8	33
12	Ecosystem carbon response of an Arctic peatland to simulated permafrost thaw. <i>Global Change Biology</i> , 2019, 25, 1746-1764.	9.5	52
13	Nongrowing season methane emissionsâ€”a significant component of annual emissions across northern ecosystems. <i>Global Change Biology</i> , 2018, 24, 3331-3343.	9.5	89
14	Magnitude and Pathways of Increased Nitrous Oxide Emissions from Uplands Following Permafrost Thaw. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9162-9169.	10.0	33
15	Tundra landscape heterogeneity, not interannual variability, controls the decadal regional carbon balance in the Western Russian Arctic. <i>Global Change Biology</i> , 2018, 24, 5188-5204.	9.5	45
16	Increased nitrous oxide emissions from Arctic peatlands after permafrost thaw. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6238-6243.	7.1	119
17	Modeling <sc>CO</sc><sub>2</sub> emissions from <sc>A</sc>rctic lakes: Model development and siteâ€™level study. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2190-2213.	3.8	38
18	Warming of subarctic tundra increases emissions of all three important greenhouse gases â€” carbon dioxide, methane, and nitrous oxide. <i>Global Change Biology</i> , 2017, 23, 3121-3138.	9.5	187

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19	Methane dynamics in the subarctic tundra: combining stable isotope analyses, plot- and ecosystem-scale flux measurements. Biogeosciences, 2016, 13, 597-608.	3.3	37
20	Variation in N <sub>2</sub> Fixation in Subarctic Tundra in Relation to Landscape Position and Nitrogen Pools and Fluxes. Arctic, Antarctic, and Alpine Research, 2016, 48, 111-125.	1.1	19
21	NUMERICAL SIMULATION OF METHANE EMISSION FROM SUBARCTIC LAKE IN KOMI REPUBLIC (RUSSIA). Geography, Environment, Sustainability, 2016, 9, 58-74.	1.3	6
22	Microbial Respiration in Arctic Upland and Peat Soils as a Source of Atmospheric Carbon Dioxide. Ecosystems, 2014, 17, 112-126.	3.4	35
23	Carbon dioxide balance of subarctic tundra from plot to regional scales. Biogeosciences, 2013, 10, 437-452.	3.3	65
24	Hot spots for nitrous oxide emissions found in different types of permafrost peatlands. Global Change Biology, 2011, 17, 2601-2614.	9.5	145