

Nitrous oxide emissions from permafrost-affected soils

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A synthesis of methane dynamics in thermokarst lake environments. <i>Earth-Science Reviews</i> , 2020, 210, 103365.	4.0	28
2	The status and stability of permafrost carbon on the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2020, 211, 103433.	4.0	111
3	Carbon and nitrogen cycling in Yedoma permafrost controlled by microbial functional limitations. <i>Nature Geoscience</i> , 2020, 13, 794-798.	5.4	45
4	Global Climate Change and Greenhouse Gases Emissions in Terrestrial Ecosystems. , 2021, , 1-54.		3
5	Potential of Climate Change and Herbivory to Affect the Release and Atmospheric Reactions of BVOCs from Boreal and Subarctic Forests. <i>Molecules</i> , 2021, 26, 2283.	1.7	10
6	In-situ soil greenhouse gas fluxes under different cryptogamic covers in maritime Antarctica. <i>Science of the Total Environment</i> , 2021, 770, 144557.	3.9	2
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10	Evaluation of variation in background nitrous oxide emissions: A new global synthesis integrating the impacts of climate, soil, and management conditions. <i>Global Change Biology</i> , 2022, 28, 480-492.	4.2	20
11	Nitrous oxide surface fluxes in a low Arctic heath: Effects of experimental warming along a natural snowmelt gradient. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108346.	4.2	12
12	Effects of experimental fire in combination with climate warming on greenhouse gas fluxes in Arctic tundra soils. <i>Science of the Total Environment</i> , 2021, 795, 148847.	3.9	8
13	Spring thaw pulses decrease annual N ₂ O emissions reductions by nitrification inhibitors from a seasonally frozen cropland. <i>Geoderma</i> , 2021, 403, 115310.	2.3	12
15	Nitrogen transport in a tundra landscape: the effects of early and late growing season lateral N inputs on arctic soil and plant N pools and N ₂ O fluxes. <i>Biogeochemistry</i> , 2022, 157, 69-84.	1.7	9
16	A review of the importance of mineral nitrogen cycling in the plant-soil-microbe system of permafrost-affected soils—changing the paradigm. <i>Environmental Research Letters</i> , 2022, 17, 013004.	2.2	29
17	Impacts of permafrost degradation on infrastructure. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 24-38.	12.2	150
18	Permafrost carbon emissions in a changing Arctic. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 55-67.	12.2	124
19	Responses of nitrous oxide fluxes to autumn freeze-thaw cycles in permafrost peatlands of the Da Xing'an Mountains, Northeast China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 31700-31712.	2.7	5
20	Emissions of atmospherically reactive gases nitrous acid and nitric oxide from Arctic permafrost peatlands. <i>Environmental Research Letters</i> , 2022, 17, 024034.	2.2	5
21	Permafrost Degradation Diminishes Terrestrial Ecosystem Carbon Sequestration Capacity on the Qinghai-Tibetan Plateau. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	11

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22	Modelling impacts of lateral N flows and seasonal warming on an arctic footslope ecosystem N budget and N ₂ O emissions based on species-level responses. <i>Biogeochemistry</i> , 2022, 158, 195-213.	1.7	4
23	Seasonal nitrogen fluxes of the Lena River Delta. <i>Ambio</i> , 2022, 51, 423-438.	2.8	20
24	Unexpectedly minor nitrous oxide emissions from fluvial networks draining permafrost catchments of the East Qinghai-Tibet Plateau. <i>Nature Communications</i> , 2022, 13, 950.	5.8	15
25	Driving Factors on Greenhouse Gas Emissions in Permafrost Region of Daxing'an Mountains, Northeast China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	4
26	Carbon storage and burial in thermokarst lakes of permafrost peatlands. <i>Biogeochemistry</i> , 2022, 159, 69-86.	1.7	7
27	Using isotope pool dilution to understand how organic carbon additions affect N ₂ O consumption in diverse soils. <i>Global Change Biology</i> , 2022, 28, 4163-4179.	4.2	9
28	Thawing Yedoma permafrost is a neglected nitrous oxide source. <i>Nature Communications</i> , 2021, 12, 7107.	5.8	24
30	Contribution of the nongrowing season to annual N ₂ O emissions from the permafrost wetland in Northeast China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61470-61487.	2.7	2
31	Normalizing Time in Terms of Space: What Drives the Fate of Spring Thaw-Released N in the Sloping Arctic Landscape?. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
32	The interaction between vegetation types and intensities of freeze-thaw cycles during the autumn freezing affected in-situ soil N ₂ O emissions in the permafrost peatlands of the Great Hinggan Mountains, Northeastern China. <i>Atmospheric Environment: X</i> , 2022, 14, 100175.	0.8	1
33	Effects of fire on CO_2 , CH_4 , and N_2O exchange in a well-drained Arctic heath ecosystem. <i>Global Change Biology</i> , 2022, 28, 4882-4899.	4.2	10
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38	Accuracy, Efficiency, and Transferability of a Deep Learning Model for Mapping Retrogressive Thaw Slumps across the Canadian Arctic. <i>Remote Sensing</i> , 2022, 14, 2747.	1.8	9
39	<i>Candidatus</i> Nitrosopolaris, a genus of putative ammonia-oxidizing archaea with a polar/alpine distribution. <i>FEMS Microbes</i> , 2022, 3, .	0.8	10
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42	We Must Stop Fossil Fuel Emissions to Protect Permafrost Ecosystems. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	9
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44	Effects of Heavy Degradation on Alpine Meadows: Soil N ₂ O Emission Rates and Meta-Analysis in the Tibetan Plateau. <i>Land</i> , 2022, 11, 1255.	1.2	2
46	Effects of warming and nitrogen input on soil N ₂ O emission from Qinghai-Tibetan Plateau: a synthesis. <i>Agricultural and Forest Meteorology</i> , 2022, 326, 109167.	1.9	6
47	Microbiogeochanical Traits to Identify Nitrogen Hotspots in Permafrost Regions. <i>Nitrogen</i> , 2022, 3, 458-501.	0.6	5
48	Carbon and nitrogen cycling on the Qinghai-Tibetan Plateau. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 701-716.	12.2	70
49	Normalizing time in terms of space: What drives the fate of spring thaw-released nitrogen in a sloping Arctic landscape?. <i>Soil Biology and Biochemistry</i> , 2022, 175, 108840.	4.2	2
50	A globally relevant stock of soil nitrogen in the Yedoma permafrost domain. <i>Nature Communications</i> , 2022, 13, .	5.8	7
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52	Effects of plant communities on the emission of soil greenhouse gases in riparian wetlands during spring thaw. <i>Ecohydrology</i> , 0, , .	1.1	1
53	Rapid Permafrost Thaw Removes Nitrogen Limitation and Rises the Potential for N ₂ O Emissions. <i>Nitrogen</i> , 2022, 3, 608-627.	0.6	1
54	Formation processes of shallow ground ice in permafrost in the Northeastern Qinghai-Tibet Plateau: A stable isotope perspective. <i>Science of the Total Environment</i> , 2023, 863, 160967.	3.9	0
55	Seasonal and Spatial Variability of Dissolved Nutrients in the Yenisei River. <i>Water (Switzerland)</i> , 2022, 14, 3935.	1.2	0
56	Deepened snow in combination with summer warming increases growing season nitrous oxide emissions in dry tundra, but not in wet tundra. <i>Soil Biology and Biochemistry</i> , 2023, 180, 109013.	4.2	1
57	Spatial Distribution of Bioavailable Inorganic Nitrogen From Thawing Permafrost. <i>Global Biogeochemical Cycles</i> , 2023, 37, .	1.9	4
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62	Nitrous Oxide Fluxes in Permafrost Peatlands Remain Negligible After Wildfire and Thermokarst Disturbance. Journal of Geophysical Research G: Biogeosciences, 2023, 128, .	1.3	1
63	Electrocatalytic Synthesis of Essential Amino Acids from Nitric Oxide Using Atomically Dispersed Fe on N-doped Carbon. Angewandte Chemie - International Edition, 2023, 62, .	7.2	34
64	Electrocatalytic Synthesis of Essential Amino Acids from Nitric Oxide Using Atomically Dispersed Fe on N-doped Carbon. Angewandte Chemie, 2023, 135, .	1.6	1
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