

# Outi-Maaria SietiÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

4,411  
citations

293460

24  
h-index

371746

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

6807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Living, dead, and absent trees—How do moth outbreaks shape small-scale patterns of soil organic matter stocks and dynamics at the Subarctic mountain birch treeline?. <i>Global Change Biology</i> , 2022, 28, 441-462.	4.2	9
2	Heterotrophic and rhizospheric respiration in coniferous forest soils along a latitudinal gradient. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108876.	1.9	3
3	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China – a Pan-Eurasian Experiment (PEEX) programme perspective. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4413-4469.	1.9	9
4	Partitioning of forest floor CO <sub>2</sub> emissions reveals the belowground interactions between different plant groups in a Scots pine stand in southern Finland. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108266.	1.9	11
5	Soil Fungal Community Structure in Boreal Pine Forests: From Southern to Subarctic Areas of Finland. <i>Frontiers in Microbiology</i> , 2021, 12, 653896.	1.5	16
6	Determination of free amino acids, saccharides, and selected microbes in biogenic atmospheric aerosols – seasonal variations, particle size distribution, chemical and microbial relations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8775-8790.	1.9	10
7	Fungal colonization patterns and enzymatic activities of peatland ericaceous plants following long-term nutrient addition. <i>Soil Biology and Biochemistry</i> , 2020, 147, 107833.	4.2	9
8	Restriction of plant roots in boreal forest organic soils affects the microbial community but does not change the dominance from ectomycorrhizal to saprotrophic fungi. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	11
9	Plant roots increase both decomposition and stable organic matter formation in boreal forest soil. <i>Nature Communications</i> , 2019, 10, 3982.	5.8	115
10	Interaction between tannins and fungal necromass stabilizes fungal residues in boreal forest soils. <i>New Phytologist</i> , 2019, 223, 16-21.	3.5	73
11	Ericoid plant species and <i>Pinus sylvestris</i> shape fungal communities in their roots and surrounding soil. <i>New Phytologist</i> , 2018, 218, 738-751.	3.5	37
12	Contrasting effects of reindeer grazing on CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O fluxes originating from the northern boreal forest floor. <i>Land Degradation and Development</i> , 2018, 29, 374-381.	1.8	11
13	Reindeer grazing alter soil fungal community structure and litter decomposition related enzyme activities in boreal coniferous forests in Finnish Lapland. <i>Applied Soil Ecology</i> , 2018, 132, 74-82.	2.1	20
14	The molecular response of the white-rot fungus <i>Dichomitus squalens</i> to wood and non-woody biomass as examined by transcriptome and exoproteome analyses. <i>Environmental Microbiology</i> , 2017, 19, 1237-1250.	1.8	55
15	Ericoid Roots and Mycospheres Govern Plant-Specific Bacterial Communities in Boreal Forest Humus. <i>Microbial Ecology</i> , 2017, 73, 939-953.	1.4	45
16	Are the climatic factors combined with reindeer grazing affecting the soil CO <sub>2</sub> emissions in subarctic boreal pine forest?. <i>Catena</i> , 2017, 149, 616-622.	2.2	7
17	Characterization of free amino acids, bacteria and fungi in size-segregated atmospheric aerosols in boreal forest: seasonal patterns, abundances and size distributions. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13089-13101.	1.9	35
18	Biochemical Characterization of Recombinant Oxalate Decarboxylases of the White Rot Fungus <i>Dichomitus squalens</i> . <i>Current Biotechnology</i> , 2017, 6, 98-104.	0.2	0

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19	The long-term impact of low-intensity surface fires on litter decomposition and enzyme activities in boreal coniferous forests. <i>International Journal of Wildland Fire</i> , 2016, 25, 213.	1.0	34
20	The contribution of ericoid plants to soil nitrogen chemistry and organic matter decomposition in boreal forest soil. <i>Soil Biology and Biochemistry</i> , 2016, 103, 394-404.	4.2	48
21	Priming effect increases with depth in a boreal forest soil. <i>Soil Biology and Biochemistry</i> , 2016, 99, 104-107.	4.2	56
22	Stimulation of soil organic nitrogen pool: The effect of plant and soil organic matter degrading enzymes. <i>Soil Biology and Biochemistry</i> , 2016, 96, 97-106.	4.2	56
23	Evidences on the Ability of Mycorrhizal Genus <i>Piloderma</i> to Use Organic Nitrogen and Deliver It to Scots Pine. <i>PLoS ONE</i> , 2015, 10, e0131561.	1.1	30
24	Fungal Community Shifts in Structure and Function across a Boreal Forest Fire Chronosequence. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7869-7880.	1.4	119
25	Influences of Reindeer Grazing on Above- and Belowground Biomass and Soil Carbon Dynamics. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 495-503.	0.4	19
26	Oxalate-Metabolising Genes of the White-Rot Fungus <i>Dichomitus squalens</i> Are Differentially Induced on Wood and at High Proton Concentration. <i>PLoS ONE</i> , 2014, 9, e87959.	1.1	29
27	Precipitation and net ecosystem exchange are the most important drivers of DOC flux in upland boreal catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1861-1878.	1.3	27
28	An improved and reproducible protocol for the extraction of high quality fungal RNA from plant biomass substrates. <i>Fungal Genetics and Biology</i> , 2014, 72, 201-206.	0.9	20
29	Applicability of the soil gradient method for estimating soil-atmosphere CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O fluxes for steppe soils in Inner Mongolia. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 359-372.	1.1	38
30	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO <sub>2</sub> production and efflux across multiple vegetation types. , 2010, 20, 100319061507001.		1
31	Relative Humidity Effect on the High-Frequency Attenuation of Water Vapor Flux Measured by a Closed-Path Eddy Covariance System. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1856-1866.	0.5	108
32	Effects of Grazing on the Vegetation Structure and Carbon Dioxide Exchange of a Fennoscandian Fell Ecosystem. <i>Arctic, Antarctic, and Alpine Research</i> , 2008, 40, 422-431.	0.4	32
33	H <sub>2</sub> O and CO <sub>2</sub> fluxes at the floor of a boreal pine forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 167-178.	0.8	43
34	High-frequency measurements of productivity of planktonic algae using rugged nondispersive infrared carbon dioxide probes. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 347-354.	1.0	41
35	Respiration in Boreal Forest Soil as Determined from Carbon Dioxide Concentration Profile. <i>Soil Science Society of America Journal</i> , 2008, 72, 1187-1196.	1.2	73
36	Forest floor vegetation plays an important role in photosynthetic production of boreal forests. <i>Forest Ecology and Management</i> , 2006, 221, 241-248.	1.4	154

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37	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , 2005, 11, 1424-1439.	4.2	2,778
38	Carbon balance of different aged Scots pine forests in Southern Finland. <i>Global Change Biology</i> , 2004, 10, 1106-1119.	4.2	161
39	Seasonal patterns of soil CO <sub>2</sub> efflux and soil air CO <sub>2</sub> concentration in a Scots pine forest: comparison of two chamber techniques. <i>Global Change Biology</i> , 2003, 9, 371-382.	4.2	68