Outi-Maaria SietiÃ¶

List of Publications by Year
in descending order

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39 papers	4,411 citations	257429 24 h-index	330122 37 g-index
46 all docs	46 docs citations	46 times ranked	6036 citing authors

#	Article	IF	Citations
1	Living, dead, and absent treesâ€"How do moth outbreaks shape smallâ€scale patterns of soil organic matter stocks and dynamics at the Subarctic mountain birch treeline?. Global Change Biology, 2022, 28, 441-462.	9.5	9
2	Heterotrophic and rhizospheric respiration in coniferous forest soils along a latitudinal gradient. Agricultural and Forest Meteorology, 2022, 317, 108876.	4.8	3
3	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China â€“ a Pan-Eurasian Experiment (PEEX) programme perspective. Atmospheric Chemistry and Physics, 2022, 22, 4413-4469.	4.9	9
4	Partitioning of forest floor CO2 emissions reveals the belowground interactions between different plant groups in a Scots pine stand in southern Finland. Agricultural and Forest Meteorology, 2021, 297, 108266.	4.8	11
5	Soil Fungal Community Structure in Boreal Pine Forests: From Southern to Subarctic Areas of Finland. Frontiers in Microbiology, 2021, 12, 653896.	3.5	16
6	Determination of free amino acids, saccharides, and selected microbes in biogenic atmospheric aerosols â€“ seasonal variations, particle size distribution, chemical and microbial relations. Atmospheric Chemistry and Physics, 2021, 21, 8775-8790.	4.9	10
7	Fungal colonization patterns and enzymatic activities of peatland ericaceous plants following long-term nutrient addition. Soil Biology and Biochemistry, 2020, 147, 107833.	8.8	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. FEMS Microbiology Ecology, 2019, 95, .	2.7	11
9	Plant roots increase both decomposition and stable organic matter formation in boreal forest soil. Nature Communications, 2019, 10, 3982.	12.8	115
10	Interaction between tannins and fungal necromass stabilizes fungal residues in boreal forest soils. New Phytologist, 2019, 223, 16-21.	7.3	73
11	Ericoid plant species and Pinus sylvestris shape fungal communities in their roots and surrounding soil. New Phytologist, 2018, 218, 738-751.	7.3	37
12	Contrasting effects of reindeer grazing on CO₂, CH₄, and N₂O fluxes originating from the northern boreal forest floor. Land Degradation and Development, 2018, 29, 374-381.	3.9	11
13	Reindeer grazing alter soil fungal community structure and litter decomposition related enzyme activities in boreal coniferous forests in Finnish Lapland. Applied Soil Ecology, 2018, 132, 74-82.	4.3	20
14	The molecular response of the whiteâ€rot fungus <scp>D</scp>ichomitus squalens to wood and nonâ€woody biomass as examined by transcriptome and exoproteome analyses. Environmental Microbiology, 2017, 19, 1237-1250.	3.8	55
15	Ericoid Roots and Mycospheres Govern Plant-Specific Bacterial Communities in Boreal Forest Humus. Microbial Ecology, 2017, 73, 939-953.	2.8	45
16	Are the climatic factors combined with reindeer grazing affecting the soil CO2 emissions in subarctic boreal pine forest?. Catena, 2017, 149, 616-622.	5.0	7
17	Characterization of free amino acids, bacteria and fungi in size-segregated atmospheric aerosols in boreal forest: seasonal patterns, abundances and size distributions. Atmospheric Chemistry and Physics, 2017, 17, 13089-13101.	4.9	35
18	Biochemical Characterization of Recombinant Oxalate Decarboxylases of the White Rot Fungus Dichomitus squalens. Current Biotechnology, 2017, 6, 98-104.	0.4	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. International Journal of Wildland Fire, 2016, 25, 213.	2.4	34
20	The contribution of ericoid plants to soil nitrogen chemistry and organic matter decomposition in boreal forest soil. Soil Biology and Biochemistry, 2016, 103, 394-404.	8.8	48
21	Priming effect increases with depth in a boreal forest soil. Soil Biology and Biochemistry, 2016, 99, 104-107.	8.8	56
22	Stimulation of soil organic nitrogen pool: The effect of plant and soil organic matter degrading enzymes. Soil Biology and Biochemistry, 2016, 96, 97-106.	8.8	56
23	Evidences on the Ability of Mycorrhizal Genus Piloderma to Use Organic Nitrogen and Deliver It to Scots Pine. PLoS ONE, 2015, 10, e0131561.	2.5	30
24	Fungal Community Shifts in Structure and Function across a Boreal Forest Fire Chronosequence. Applied and Environmental Microbiology, 2015, 81, 7869-7880.	3.1	119
25	Influences of Reindeer Grazing on Above- and Belowground Biomass and Soil Carbon Dynamics. Arctic, Antarctic, and Alpine Research, 2015, 47, 495-503.	1.1	19
26	Oxalate-Metabolising Genes of the White-Rot Fungus Dichomitus squalens Are Differentially Induced on Wood and at High Proton Concentration. PLoS ONE, 2014, 9, e87959.	2.5	29
27	Precipitation and net ecosystem exchange are the most important drivers of DOC flux in upland boreal catchments. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1861-1878.	3.0	27
28	An improved and reproducible protocol for the extraction of high quality fungal RNA from plant biomass substrates. Fungal Genetics and Biology, 2014, 72, 201-206.	2.1	20
29	Applicability of the soil gradient method for estimating soilâ€“atmosphere CO₂, CH₄, and N₂O fluxes for steppe soils in Inner Mongolia. Journal of Plant Nutrition and Soil Science, 2011, 174, 359-372.	1.9	38
30	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO₂production 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. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1856-1866.	1.3	108
32	Effects of Grazing on the Vegetation Structure and Carbon Dioxide Exchange of a Fennoscandian Fell Ecosystem. Arctic, Antarctic, and Alpine Research, 2008, 40, 422-431.	1.1	32
33	H2O and CO2fluxes at the floor of a boreal pine forest. Tellus, Series B: Chemical and Physical Meteorology, 2008, 60, 167-178.	1.6	43
34	Highâ€frequency measurements of productivity of planktonic algae using rugged nondispersive infrared carbon dioxide probes. Limnology and Oceanography: Methods, 2008, 6, 347-354.	2.0	41
35	Respiration in Boreal Forest Soil as Determined from Carbon Dioxide Concentration Profile. Soil Science Society of America Journal, 2008, 72, 1187-1196.	2.2	73
36	Forest floor vegetation plays an important role in photosynthetic production of boreal forests. Forest Ecology and Management, 2006, 221, 241-248.	3.2	154

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37	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. Global Change Biology, 2005, 11, 1424-1439.	9.5	2,778
38	Carbon balance of different aged Scots pine forests in Southern Finland. Global Change Biology, 2004, 10, 1106-1119.	9.5	161
39	Seasonal patterns of soil CO2 efflux and soil air CO2 concentration in a Scots pine forest: comparison of two chamber techniques. Global Change Biology, 2003, 9, 371-382.	9.5	68