

# Kajar KÄster

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,518  
citations

304602

22  
h-index

360920

35  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1741  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Data sharing practices and data availability upon request differ across scientific disciplines. <i>Scientific Data</i> , 2021, 8, 192.	2.4	110
3	Hemiboreal forest: natural disturbances and the importance of ecosystem legacies to management. <i>Ecosphere</i> , 2017, 8, e01706.	1.0	74
4	Analysis of forest naturalness and tree mortality patterns in Estonia. <i>Forest Ecology and Management</i> , 2009, 258, S187-S195.	1.4	61
5	Recovery in fungal biomass is related to decrease in soil organic matter turnover time in a boreal fire chronosequence. <i>Geoderma</i> , 2014, 235-236, 74-82.	2.3	55
6	Current Wildland Fire Patterns and Challenges in Europe: A Synthesis of National Perspectives. <i>Air, Soil and Water Research</i> , 2021, 14, 117862212110281.	1.2	53
7	Regeneration development 4–5 years after a storm in Norway spruce dominated forests, Estonia. <i>Forest Ecology and Management</i> , 2007, 250, 17-24.	1.4	48
8	Dead wood basic density, and the concentration of carbon and nitrogen for main tree species in managed hemiboreal forests. <i>Forest Ecology and Management</i> , 2015, 354, 35-42.	1.4	47
9	Effects of biochar on carbon and nitrogen fluxes in boreal forest soil. <i>Plant and Soil</i> , 2018, 425, 71-85.	1.8	46
10	How do forest fires affect soil greenhouse gas emissions in upland boreal forests? A review. <i>Environmental Research</i> , 2020, 184, 109328.	3.7	45
11	Changes in fluxes of carbon dioxide and methane caused by fire in Siberian boreal forest with continuous permafrost. <i>Journal of Environmental Management</i> , 2018, 228, 405-415.	3.8	44
12	Carbon dioxide, methane and nitrous oxide fluxes from a fire chronosequence in subarctic boreal forests of Canada. <i>Science of the Total Environment</i> , 2017, 601-602, 895-905.	3.9	41
13	The effect of natural disturbances on forest biodiversity: an ecological synthesis. <i>Biological Reviews</i> , 2022, 97, 1930-1947.	4.7	40
14	Bacterial community structure and function shift across a northern boreal forest fire chronosequence. <i>Scientific Reports</i> , 2016, 6, 32411.	1.6	37
15	The impact of wildfire on microbial C:N:P stoichiometry and the fungal-to-bacterial ratio in permafrost soil. <i>Biogeochemistry</i> , 2019, 142, 1-17.	1.7	37
16	Regeneration in windthrow areas in hemiboreal forests: the influence of microsite on the height growths of different tree species. <i>Journal of Forest Research</i> , 2010, 15, 55-64.	0.7	36
17	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
18	The influence of storm-induced microsites to tree regeneration patterns in boreal and hemiboreal forest. <i>Journal of Forest Research</i> , 2011, 16, 155-167.	0.7	27

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19	Temperature sensitivity of soil organic matter decomposition after forest fire in Canadian permafrost region. <i>Journal of Environmental Management</i> , 2019, 241, 637-644.	3.8	27
20	Inter- and intra-annual dynamics of photosynthesis differ between forest floor vegetation and tree canopy in a subarctic Scots pine stand. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 1-11.	1.9	26
21	Comparison of soil CO <sub>2</sub> flux between uncleared and cleared windthrow areas in Estonia and Latvia. <i>Forest Ecology and Management</i> , 2011, 262, 65-70.	1.4	25
22	Forest fires in Canadian permafrost region: the combined effects of fire and permafrost dynamics on soil organic matter quality. <i>Biogeochemistry</i> , 2019, 143, 257-274.	1.7	24
23	Wildfire effects on soil bacterial community and its potential functions in a permafrost region of Canada. <i>Applied Soil Ecology</i> , 2020, 156, 103713.	2.1	23
24	Impacts of wildfire on soil microbiome in Boreal environments. <i>Current Opinion in Environmental Science and Health</i> , 2021, 22, 100258.	2.1	23
25	Long-term effects of forest fires on soil greenhouse gas emissions and extracellular enzyme activities in a hemiboreal forest. <i>Science of the Total Environment</i> , 2020, 718, 135291.	3.9	22
26	Changes in very fine root respiration and morphology with time since last fire in a boreal forest. <i>Plant and Soil</i> , 2016, 402, 303-316.	1.8	21
27	Carbon dioxide, methane and nitrous oxide fluxes from podzols of a fire chronosequence in the boreal forests in VÄRRIÄRÄ, Finnish Lapland. <i>Geoderma Regional</i> , 2015, 5, 181-187.	0.9	20
28	Imprints of management history on hemiboreal forest ecosystems in the Baltic States. <i>Ecosphere</i> , 2018, 9, e02503.	1.0	20
29	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
30	Biochar amendment increases tree growth in nutrient-poor, young Scots pine stands in Finland. <i>Forest Ecology and Management</i> , 2020, 474, 118362.	1.4	20
31	Variation and ecological characteristics of coarse woody debris in Lahemaa and Karula National Parks, Estonia. <i>Scandinavian Journal of Forest Research</i> , 2005, 20, 102-111.	0.5	19
32	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
33	Decadal Scale Recovery of Carbon Stocks After Wildfires Throughout the Boreal Forests. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006612.	1.9	19
34	North American boreal forests are a large carbon source due to wildfires from 1986 to 2016. <i>Scientific Reports</i> , 2021, 11, 7723.	1.6	19
35	Impact of postfire management on forest regeneration in a managed hemiboreal forest, Estonia. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1192-1197.	0.8	18
36	Impact of post-fire management on soil respiration, carbon and nitrogen content in a managed hemiboreal forest. <i>Journal of Environmental Management</i> , 2019, 233, 371-377.	3.8	18

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37	Wildfire effects on BVOC emissions from boreal forest floor on permafrost soil in Siberia. <i>Science of the Total Environment</i> , 2020, 711, 134851.	3.9	18
38	How Time since Forest Fire Affects Stand Structure, Soil Physical-Chemical Properties and Soil CO <sub>2</sub> Efflux in Hemiboreal Scots Pine Forest Fire Chronosequence?. <i>Forests</i> , 2016, 7, 201.	0.9	17
39	Fire and vegetation dynamics in northwest Siberia during the last 60 years based on high-resolution remote sensing. <i>Biogeosciences</i> , 2021, 18, 207-228.	1.3	16
40	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
41	Assessment of Tree Mortality After Windthrow using Photo-Derived Data. <i>Annales Botanici Fennici</i> , 2009, 46, 291-298.	0.0	15
42	Nitrogen balance along a northern boreal forest fire chronosequence. <i>PLoS ONE</i> , 2017, 12, e0174720.	1.1	15
43	Effects of Biochar on Fluxes and Turnover of Carbon in Boreal Forest Soils. <i>Soil Science Society of America Journal</i> , 2019, 83, 126-136.	1.2	13
44	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
45	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
46	Short-term effects of biochar on soil CO <sub>2</sub> efflux in boreal Scots pine forests. <i>Annals of Forest Science</i> , 2020, 77, 1.	0.8	8
47	Corrigendum to: 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, 618.	1.0	7
48	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
49	Effect of biochar amendment on the properties of growing media and growth of containerized Norway spruce, Scots pine, and silver birch seedlings. <i>Canadian Journal of Forest Research</i> , 2021, 51, 31-40.	0.8	7
50	Response of soil bacterial community to biochar application in a boreal pine forest. <i>Journal of Forestry Research</i> , 2023, 34, 749-759.	1.7	6
51	Molecular composition of soil dissolved organic matter in recently-burned and long-unburned boreal forests. <i>International Journal of Wildland Fire</i> , 2020, 29, 541.	1.0	4
52	Age-related response of forest floor biogenic volatile organic compound fluxes to boreal forest succession after wildfires. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108584.	1.9	3
53	Comparing an exponential respiration model to alternative models for soil respiration components in a Canadian wildfire chronosequence (FireResp v1.0). <i>Geoscientific Model Development</i> , 2021, 14, 6605-6622.	1.3	3