

# Christina Kaiser

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

4,624  
citations

185998

28  
h-index

329751

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

6598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contrasting drivers of belowground nitrogen cycling in a montane grassland exposed to a multifactorial global change experiment with elevated CO <sub>2</sub> , warming, and drought. <i>Global Change Biology</i> , 2022, 28, 2425-2441.	4.2	25
2	From diversity to complexity: Microbial networks in soils. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108604.	4.2	67
3	Recently photoassimilated carbon and fungus-delivered nitrogen are spatially correlated in the ectomycorrhizal tissue of <i>Fagus sylvatica</i> . <i>New Phytologist</i> , 2021, 232, 2457-2474.	3.5	19
4	A critical perspective on interpreting amplicon sequencing data in soil ecological research. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108357.	4.2	36
5	Persistence of soil organic carbon caused by functional complexity. <i>Nature Geoscience</i> , 2020, 13, 529-534.	5.4	363
6	Nitrogen and phosphorus constrain the CO <sub>2</sub> fertilization of global plant biomass. <i>Nature Climate Change</i> , 2019, 9, 684-689.	8.1	269
7	Editorial: Rhizosphere Functioning and Structural Development as Complex Interplay Between Plants, Microorganisms and Soil Minerals. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	19
8	Rapid Transfer of Plant Photosynthates to Soil Bacteria via Ectomycorrhizal Hyphae and Its Interaction With Nitrogen Availability. <i>Frontiers in Microbiology</i> , 2019, 10, 168.	1.5	106
9	Root Exudation of Primary Metabolites: Mechanisms and Their Roles in Plant Responses to Environmental Stimuli. <i>Frontiers in Plant Science</i> , 2019, 10, 157.	1.7	540
10	Recognizing Patterns: Spatial Analysis of Observed Microbial Colonization on Root Surfaces. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	38
11	Microbial temperature sensitivity and biomass change explain soil carbon loss with warming. <i>Nature Climate Change</i> , 2018, 8, 885-889.	8.1	230
12	Synergistic effects of diffusion and microbial physiology reproduce the Birch effect in a micro-scale model. <i>Soil Biology and Biochemistry</i> , 2016, 93, 28-37.	4.2	55
13	Social dynamics within decomposer communities lead to nitrogen retention and organic matter build-up in soils. <i>Nature Communications</i> , 2015, 6, 8960.	5.8	80
14	Exploring the transfer of recent plant photosynthates to soil microbes: mycorrhizal pathway vs direct root exudation. <i>New Phytologist</i> , 2015, 205, 1537-1551.	3.5	370
15	Site- and horizon-specific patterns of microbial community structure and enzyme activities in permafrost-affected soils of Greenland. <i>Frontiers in Microbiology</i> , 2014, 5, 541.	1.5	73
16	Microbial community dynamics alleviate stoichiometric constraints during litter decay. <i>Ecology Letters</i> , 2014, 17, 680-690.	3.0	302
17	Fungal and bacterial utilization of organic substrates depends on substrate complexity and N availability. <i>FEMS Microbiology Ecology</i> , 2014, 87, 142-152.	1.3	108
18	Nitrogen dynamics in Turbic Cryosols from Siberia and Greenland. <i>Soil Biology and Biochemistry</i> , 2013, 67, 85-93.	4.2	78

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19	Seasonal variation in functional properties of microbial communities in beech forest soil. <i>Soil Biology and Biochemistry</i> , 2013, 60, 95-104.	4.2	131
20	Optimization of Biomass Composition Explains Microbial Growth-Stoichiometry Relationships. <i>American Naturalist</i> , 2011, 177, E29-E42.	1.0	53
21	Seasonality and resource availability control bacterial and archaeal communities in soils of a temperate beech forest. <i>ISME Journal</i> , 2011, 5, 389-402.	4.4	273
22	Microbial processes and community composition in the rhizosphere of European beech—The influence of plant C exudates. <i>Soil Biology and Biochemistry</i> , 2011, 43, 551-558.	4.2	170
23	Plants control the seasonal dynamics of microbial N cycling in a beech forest soil by belowground C allocation. <i>Ecology</i> , 2011, 92, 1036-1051.	1.5	118
24	Plants control the seasonal dynamics of microbial N cycling in a beech forest soil by belowground C allocation. <i>Ecology</i> , 2011, 92, 1036-1051.	1.5	19
25	Negligible contribution from roots to soil-borne phospholipid fatty acid fungal biomarkers 18:2 $\omega$ 6,9 and 18:1 $\omega$ 9. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1650-1652.	4.2	150
26	Belowground carbon allocation by trees drives seasonal patterns of extracellular enzyme activities by altering microbial community composition in a beech forest soil. <i>New Phytologist</i> , 2010, 187, 843-858.	3.5	337
27	Combining agent-based and stock-flow modelling approaches in a participative analysis of the integrated land system in Reichraming, Austria. <i>Landscape Ecology</i> , 2009, 24, 1149-1165.	1.9	62
28	Initial effects of experimental warming on carbon exchange rates, plant growth and microbial dynamics of a lichen-rich dwarf shrub tundra in Siberia. <i>Plant and Soil</i> , 2008, 307, 191-205.	1.8	126
29	Conservation of soil organic matter through cryoturbation in arctic soils in Siberia. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	118
30	Soil carbon and nitrogen dynamics along a latitudinal transect in Western Siberia, Russia. <i>Biogeochemistry</i> , 2006, 81, 239-252.	1.7	27
31	Temperature-dependent shift from labile to recalcitrant carbon sources of arctic heterotrophs. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1401-1408.	0.7	145
32	Microtopography and Plant-Cover Controls on Nitrogen Dynamics in Hummock Tundra Ecosystems in Siberia. <i>Arctic, Antarctic, and Alpine Research</i> , 2005, 37, 435-443.	0.4	33
33	Storage and mineralization of carbon and nitrogen in soils of a frost-boil tundra ecosystem in Siberia. <i>Applied Soil Ecology</i> , 2005, 29, 173-183.	2.1	40