

# Lucia Fuchslueger

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

3,977  
citations

218677

26  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

5324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical profiles of leaf photosynthesis and leaf traits and soil nutrients in two tropical rainforests in French Guiana before and after a 3-year nitrogen and phosphorus addition experiment. <i>Earth System Science Data</i> , 2022, 14, 5-18.	9.9	6
2	Negative priming of soil organic matter following long-term in situ warming of sub-arctic soils. <i>Geoderma</i> , 2022, 410, 115652.	5.1	10
3	Plant phosphorus use and acquisition strategies in Amazonia. <i>New Phytologist</i> , 2022, 234, 1126-1143.	7.3	40
4	Long-term warming reduced microbial biomass but increased recent plant-derived C in microbes of a subarctic grassland. <i>Soil Biology and Biochemistry</i> , 2022, 167, 108590.	8.8	12
5	Rapid responses of root traits and productivity to phosphorus and cation additions in a tropical lowland forest in Amazonia. <i>New Phytologist</i> , 2021, 230, 116-128.	7.3	50
6	Comparable canopy and soil free-living nitrogen fixation rates in a lowland tropical forest. <i>Science of the Total Environment</i> , 2021, 754, 142202.	8.0	10
7	Impact of Nutrient Additions on Free-Living Nitrogen Fixation in Litter and Soil of Two French Guianese Lowland Tropical Forests. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2021, 126, e2020JG006023.	3.0	4
8	Editorial: Exchanges at the Root-Soil Interface: Resource Trading in the Rhizosphere That Drives Ecosystem Functioning. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	0
9	Ecological memory of recurrent drought modifies soil processes via changes in soil microbial community. <i>Nature Communications</i> , 2021, 12, 5308.	12.8	108
10	Litter inputs and phosphatase activity affect the temporal variability of organic phosphorus in a tropical forest soil in the Central Amazon. <i>Plant and Soil</i> , 2021, 469, 423-441.	3.7	15
11	Fine roots stimulate nutrient release during early stages of leaf litter decomposition in a Central Amazon rainforest. <i>Plant and Soil</i> , 2021, 469, 287-303.	3.7	21
12	Tree Species and Epiphyte Taxa Determine the Metabolomic niche of Canopy Suspended Soils in a Species-Rich Lowland Tropical Rainforest. <i>Metabolites</i> , 2021, 11, 718.	2.9	2
13	Tradeoffs and Synergies in Tropical Forest Root Traits and Dynamics for Nutrient and Water Acquisition: Field and Modeling Advances. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	13
14	Multiple phosphorus acquisition strategies adopted by fine roots in low-fertility soils in Central Amazonia. <i>Plant and Soil</i> , 2020, 450, 49-63.	3.7	60
15	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , 2020, 11, 22-37.	5.2	68
16	Microbial carbon limitation: The need for integrating microorganisms into our understanding of ecosystem carbon cycling. <i>Global Change Biology</i> , 2020, 26, 1953-1961.	9.5	239
17	A systemic overreaction to years versus decades of warming in a subarctic grassland ecosystem. <i>Nature Ecology and Evolution</i> , 2020, 4, 101-108.	7.8	33
18	Fine-root dynamics vary with soil depth and precipitation in a low-nutrient tropical forest in the Central Amazonia. <i>Plant-Environment Interactions</i> , 2020, 1, 3-16.	1.5	34

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19	Climatic and edaphic controls over tropical forest diversity and vegetation carbon storage. <i>Scientific Reports</i> , 2020, 10, 5066.	3.3	55
20	Amazon forest response to CO <sub>2</sub> fertilization dependent on plant phosphorus acquisition. <i>Nature Geoscience</i> , 2019, 12, 736-741.	12.9	177
21	Microbial carbon and nitrogen cycling responses to drought and temperature in differently managed mountain grasslands. <i>Soil Biology and Biochemistry</i> , 2019, 135, 144-153.	8.8	51
22	Coupled carbon and nitrogen losses in response to seven years of chronic warming in subarctic soils. <i>Soil Biology and Biochemistry</i> , 2019, 134, 152-161.	8.8	25
23	Links among warming, carbon and microbial dynamics mediated by soil mineral weathering. <i>Nature Geoscience</i> , 2018, 11, 589-593.	12.9	116
24	Amazon Forest Ecosystem Responses to Elevated Atmospheric CO <sub>2</sub> and Alterations in Nutrient Availability: Filling the Gaps with Model-Experiment Integration. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	20
25	Drought history affects grassland plant and microbial carbon turnover during and after a subsequent drought event. <i>Journal of Ecology</i> , 2016, 104, 1453-1465.	4.0	94
26	Summer drought alters carbon allocation to roots and root respiration in mountain grassland. <i>New Phytologist</i> , 2015, 205, 1117-1127.	7.3	199
27	Exploring the transfer of recent plant photosynthates to soil microbes: mycorrhizal pathway vs direct root exudation. <i>New Phytologist</i> , 2015, 205, 1537-1551.	7.3	370
28	Effects of drought on nitrogen turnover and abundances of ammonia-oxidizers in mountain grassland. <i>Biogeosciences</i> , 2014, 11, 6003-6015.	3.3	51
29	Effects of Soil Organic Matter Properties and Microbial Community Composition on Enzyme Activities in Cryoturbated Arctic Soils. <i>PLoS ONE</i> , 2014, 9, e94076.	2.5	90
30	Experimental drought reduces the transfer of recently fixed plant carbon to soil microbes and alters the bacterial community composition in a mountain meadow. <i>New Phytologist</i> , 2014, 201, 916-927.	7.3	261
31	Adjustment of microbial nitrogen use efficiency to carbon:nitrogen imbalances regulates soil nitrogen cycling. <i>Nature Communications</i> , 2014, 5, 3694.	12.8	594
32	Fungal and bacterial utilization of organic substrates depends on substrate complexity and N availability. <i>FEMS Microbiology Ecology</i> , 2014, 87, 142-152.	2.7	108
33	Seasonal variation in functional properties of microbial communities in beech forest soil. <i>Soil Biology and Biochemistry</i> , 2013, 60, 95-104.	8.8	131
34	Stoichiometric controls of nitrogen and phosphorus cycling in decomposing beech leaf litter. <i>Ecology</i> , 2012, 93, 770-782.	3.2	228
35	A field method to store samples from temperate mountain grassland soils for analysis of phospholipid fatty acids. <i>Soil Biology and Biochemistry</i> , 2012, 51, 81-83.	8.8	31
36	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.	8.8	170

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37	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.	3.2	118
38	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.	3.2	19
39	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.	7.3	337