

Jörg Schnecker

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,722
citations

185998

28
h-index

329751

37
g-index

40
all docs

40
docs citations

40
times ranked

4365
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin Preservation and Microbial Carbohydrate Metabolism in Permafrost Soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, e2020JG006181.	1.3	5
2	Crop rotational complexity affects plant-soil nitrogen cycling during water deficit. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108552.	4.2	15
3	Agricultural management affects active carbon and nitrogen mineralisation potential in soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2022, 185, 513-528.	1.1	3
4	Retaining eucalyptus harvest residues promotes different pathways for particulate and mineral-associated organic matter. <i>Ecosphere</i> , 2021, 12, e03439.	1.0	3
5	Microbial activity responses to water stress in agricultural soils from simple and complex crop rotations. <i>Soil</i> , 2021, 7, 547-561.	2.2	3
6	Assessing microbial residues in soil as a potential carbon sink and moderator of carbon use efficiency. <i>Biogeochemistry</i> , 2020, 151, 237-249.	1.7	33
7	Quantifying microbial growth and carbon use efficiency in dry soil environments via ¹⁸ O water vapor equilibration. <i>Global Change Biology</i> , 2020, 26, 5333-5341.	4.2	27
8	Substrate quality and concentration control decomposition and microbial strategies in a model soil system. <i>Biogeochemistry</i> , 2019, 144, 47-59.	1.7	22
9	Significance of dark CO ₂ fixation in arctic soils. <i>Soil Biology and Biochemistry</i> , 2018, 119, 11-21.	4.2	58
10	Soil organic matter quality exerts a stronger control than stoichiometry on microbial substrate use efficiency along a latitudinal transect. <i>Soil Biology and Biochemistry</i> , 2018, 121, 212-220.	4.2	104
11	Fate of carbohydrates and lignin in north-east Siberian permafrost soils. <i>Soil Biology and Biochemistry</i> , 2018, 116, 311-322.	4.2	59
12	A plant-microbe interaction framework explaining nutrient effects on primary production. <i>Nature Ecology and Evolution</i> , 2018, 2, 1588-1596.	3.4	100
13	Temperature response of permafrost soil carbon is attenuated by mineral protection. <i>Global Change Biology</i> , 2018, 24, 3401-3415.	4.2	107
14	Links among warming, carbon and microbial dynamics mediated by soil mineral weathering. <i>Nature Geoscience</i> , 2018, 11, 589-593.	5.4	116
15	Amino acid production exceeds plant nitrogen demand in Siberian tundra. <i>Environmental Research Letters</i> , 2018, 13, 034002.	2.2	49
16	Minerals in the rhizosphere: overlooked mediators of soil nitrogen availability to plants and microbes. <i>Biogeochemistry</i> , 2018, 139, 103-122.	1.7	203
17	Decoupling of microbial carbon, nitrogen, and phosphorus cycling in response to extreme temperature events. <i>Science Advances</i> , 2017, 3, e1602781.	4.7	143
18	Short-term carbon input increases microbial nitrogen demand, but not microbial nitrogen mining, in a set of boreal forest soils. <i>Biogeochemistry</i> , 2017, 136, 261-278.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Plant-derived compounds stimulate the decomposition of organic matter in arctic permafrost soils. <i>Scientific Reports</i> , 2016, 6, 25607.	1.6	87
20	Little effects on soil organic matter chemistry of density fractions after seven years of forest soil warming. <i>Soil Biology and Biochemistry</i> , 2016, 103, 300-307.	4.2	48
21	Microbial physiology and soil CO ₂ efflux after 9 years of soil warming in a temperate forest – no indications for thermal adaptations. <i>Global Change Biology</i> , 2015, 21, 4265-4277.	4.2	104
22	Microbial nitrogen dynamics in organic and mineral soil horizons along a latitudinal transect in western Siberia. <i>Global Biogeochemical Cycles</i> , 2015, 29, 567-582.	1.9	108
23	Properties and bioavailability of particulate and mineral-associated organic matter in arctic permafrost soils, Lower Kolyma Region, Russia. <i>European Journal of Soil Science</i> , 2015, 66, 722-734.	1.8	59
24	Storage and transformation of organic matter fractions in cryoturbated permafrost soils across the Siberian Arctic. <i>Biogeosciences</i> , 2015, 12, 4525-4542.	1.3	85
25	Microbial community composition shapes enzyme patterns in topsoil and subsoil horizons along a latitudinal transect in Western Siberia. <i>Soil Biology and Biochemistry</i> , 2015, 83, 106-115.	4.2	104
26	New insights into mechanisms driving carbon allocation in tropical forests. <i>New Phytologist</i> , 2015, 205, 137-146.	3.5	23
27	The effect of warming on the vulnerability of subducted organic carbon in arctic soils. <i>Soil Biology and Biochemistry</i> , 2015, 90, 19-29.	4.2	68
28	Effects of Soil Organic Matter Properties and Microbial Community Composition on Enzyme Activities in Cryoturbated Arctic Soils. <i>PLoS ONE</i> , 2014, 9, e94076.	1.1	90
29	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
30	Adjustment of microbial nitrogen use efficiency to carbon:nitrogen imbalances regulates soil nitrogen cycling. <i>Nature Communications</i> , 2014, 5, 3694.	5.8	594
31	Distinct microbial communities associated with buried soils in the Siberian tundra. <i>ISME Journal</i> , 2014, 8, 841-853.	4.4	137
32	Input of easily available organic C and N stimulates microbial decomposition of soil organic matter in arctic permafrost soil. <i>Soil Biology and Biochemistry</i> , 2014, 75, 143-151.	4.2	213
33	Nitrogen dynamics in Turbic Cryosols from Siberia and Greenland. <i>Soil Biology and Biochemistry</i> , 2013, 67, 85-93.	4.2	78
34	Stoichiometric controls of nitrogen and phosphorus cycling in decomposing beech leaf litter. <i>Ecology</i> , 2012, 93, 770-782.	1.5	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.	4.2	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.	4.2	170

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37	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