

Anna Rosling RÃ¶nnlund

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,505
citations

236925

25
h-index

254184

43
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49
all docs

49
docs citations

49
times ranked

4573
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of operational taxonomic unit inference methods on soil microeukaryote community analysis using long-read metabarcoding. <i>Ecology and Evolution</i> , 2022, 12, e8676.	1.9	3
2	Variation in hyphal production rather than turnover regulates standing fungal biomass in temperate hardwood forests. <i>Ecology</i> , 2021, 102, e03260.	3.2	13
3	<i>Tremella macrobasidiata</i> and <i>Tremella varia</i> have abundant and widespread yeast stages in <i>Lecanora</i> lichens. <i>Environmental Microbiology</i> , 2021, 23, 2484-2498.	3.8	16
4	Long- and short-read metabarcoding technologies reveal similar spatiotemporal structures in fungal communities. <i>Molecular Ecology Resources</i> , 2021, 21, 1833-1849.	4.8	16
5	Soil fungal communities of ectomycorrhizal dominated woodlands across West Africa. <i>MycoKeys</i> , 2021, 81, 45-68.	1.9	7
6	In-depth Phylogenomic Analysis of Arbuscular Mycorrhizal Fungi Based on a Comprehensive Set of de novo Genome Assemblies. <i>Frontiers in Fungal Biology</i> , 2021, 2, .	2.0	15
7	Naming the untouchable “ environmental sequences and niche partitioning as taxonomical evidence in fungi. <i>IMA Fungus</i> , 2020, 11, 23.	3.8	15
8	Building de novo reference genome assemblies of complex eukaryotic microorganisms from single nuclei. <i>Scientific Reports</i> , 2020, 10, 1303.	3.3	22
9	Reviews and syntheses: Biological weathering and its consequences at different spatial levels “ from nanoscale to global scale. <i>Biogeosciences</i> , 2020, 17, 1507-1533.	3.3	58
10	Distribution patterns of fungal taxa and inferred functional traits reflect the non-uniform vertical stratification of soil microhabitats in a coastal pine forest. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	8
11	Biological enhancement of mineral weathering by <i>Pinus sylvestris</i> seedlings effects of plants, ectomycorrhizal fungi, and elevated CO ₂ . <i>Biogeosciences</i> , 2019, 16, 3637-3649.	3.3	8
12	Specificity in <i>Arabidopsis thaliana</i> recruitment of root fungal communities from soil and rhizosphere. <i>Fungal Biology</i> , 2018, 122, 231-240.	2.5	58
13	Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. <i>Plant and Soil</i> , 2018, 427, 191-208.	3.7	145
14	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. <i>IMA Fungus</i> , 2018, 9, 167-175.	3.8	45
15	Dominant mycorrhizal association of trees alters carbon and nutrient cycling by selecting for microbial groups with distinct enzyme function. <i>New Phytologist</i> , 2017, 214, 432-442.	7.3	173
16	Phosphorus cycling in deciduous forest soil differs between stands dominated by ecto- and arbuscular mycorrhizal trees. <i>New Phytologist</i> , 2016, 209, 1184-1195.	7.3	118
17	DNA-metabarcoding uncovers the diversity of soil-inhabiting fungi in the tropical island of Puerto Rico. <i>Mycoscience</i> , 2016, 57, 217-227.	0.8	22
18	Comment on “Global diversity and geography of soil fungi”. <i>Science</i> , 2015, 348, 1438-1438.	12.6	23

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19	Organic acid induced release of nutrients from metal-stabilized soil organic matter – The unbutton model. <i>Soil Biology and Biochemistry</i> , 2015, 84, 168-176.	8.8	206
20	<i>Archaeorhizomyces borealis</i> sp. nov. and a sequence-based classification of related soil fungal species. <i>Fungal Biology</i> , 2014, 118, 943-955.	2.5	48
21	Fungal and bacterial community responses to <i>Suillus variegatus</i> extraradical mycelia and soil profile in Scots pine microcosms. <i>Plant and Soil</i> , 2014, 385, 255-272.	3.7	10
22	<i>Archaeorhizomycetes</i> : Patterns of Distribution and Abundance in Soil. <i>Soil Biology</i> , 2013, , 333-349.	0.8	19
23	Effect of Rainfall-Induced Soil Geochemistry Dynamics on Grassland Soil Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7587-7595.	3.1	55
24	Occurrence and impact of the root-rot biocontrol agent <i>Phlebiopsis gigantea</i> on soil fungal communities in <i>Picea abies</i> forests of northern Europe. <i>FEMS Microbiology Ecology</i> , 2012, 81, 438-445.	2.7	29
25	Different crop rotation systems as drivers of change in soil bacterial community structure and yield of rice, <i>Oryza sativa</i> . <i>Biology and Fertility of Soils</i> , 2012, 48, 217-225.	4.3	121
26	<i>Archaeorhizomycetes</i> : Unearthing an Ancient Class of Ubiquitous Soil Fungi. <i>Science</i> , 2011, 333, 876-879.	12.6	249
27	The Plant Cell Wall – Decomposing Machinery Underlies the Functional Diversity of Forest Fungi. <i>Science</i> , 2011, 333, 762-765.	12.6	512
28	Localisation of phosphomonoesterase activity in ectomycorrhizal fungi grown on different phosphorus sources. <i>Mycorrhiza</i> , 2009, 19, 197-204.	2.8	29
29	The role of fungi in biogenic weathering in boreal forest soils. <i>Fungal Biology Reviews</i> , 2009, 23, 101-106.	4.7	85
30	Approaches to modelling mineral weathering by fungi. <i>Fungal Biology Reviews</i> , 2009, 23, 138-144.	4.7	44
31	Trees, Mycorrhiza and Minerals – Field Relevance of <i>in vitro</i> Experiments. <i>Geomicrobiology Journal</i> , 2009, 26, 389-401.	2.0	39
32	Ectomycorrhizal fungi in mineral soil. <i>Mineralogical Magazine</i> , 2008, 72, 127-130.	1.4	9
33	Phosphorous availability influences the dissolution of apatite by soil fungi. <i>Geobiology</i> , 2007, 5, 265-280.	2.4	60
34	The biogeochemical impact of ectomycorrhizal conifers on major soil elements (Al, Fe, K and Si). <i>Geoderma</i> , 2006, 136, 364-377.	5.1	26
35	Integrated nutrient cycles in boreal forest ecosystems – the role of mycorrhizal fungi. , 2006, , 28-50.		15
36	Oxalate and ferricrocin exudation by the extramatrical mycelium of an ectomycorrhizal fungus in symbiosis with <i>Pinus sylvestris</i> . <i>New Phytologist</i> , 2006, 169, 367-378.	7.3	111

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37	The impact of trees, ectomycorrhiza and potassium availability on simple organic compounds and dissolved organic carbon in soil. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1912-1923.	8.8	12
38	Carbon allocation to ectomycorrhizal roots and mycelium colonising different mineral substrates. <i>New Phytologist</i> , 2004, 162, 795-802.	7.3	110
39	Mycelial growth and substrate acidification of ectomycorrhizal fungi in response to different minerals. <i>FEMS Microbiology Ecology</i> , 2004, 47, 31-37.	2.7	101
40	The role of fungi in weathering. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 258-264.	4.0	271
41	Ectomycorrhizal fungal communities associated with <i>Salix viminalis</i> L. and <i>S. dasyclados</i> Wimm. clones in a short-rotation forestry plantation. <i>Forest Ecology and Management</i> , 2004, 196, 413-424.	3.2	51
42	The Role of Fungi in Weathering. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 258.	4.0	7
43	Vertical distribution of ectomycorrhizal fungal taxa in a podzol soil profile. <i>New Phytologist</i> , 2003, 159, 775-783.	7.3	310
44	Molecular Identification of Ectomycorrhizal Mycelium in Soil Horizons. <i>Applied and Environmental Microbiology</i> , 2003, 69, 327-333.	3.1	206
45	Forest Fire Influence on <i>Tomicus piniperda</i> -Associated Fungal Communities and Phloem Nutrient Availability of Colonized <i>Pinus sylvestris</i> . <i>Microbial Ecology</i> , 0, , .	2.8	1