

# Sergei PĂulme

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

7,086  
citations

394421

19  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

7967  
citing authors

#	ARTICLE	IF	CITATIONS
1	»¿The curse of the uncultured fungus. MycoKeys, 2022, 86, 177-194.	1.9	9
2	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. New Phytologist, 2021, 231, 763-776.	7.3	126
3	Analysis of culturable airborne fungi in outdoor environments in Tianjin, China. BMC Microbiology, 2021, 21, 134.	3.3	19
4	The Global Soil Mycobiome consortium dataset for boosting fungal diversity research. Fungal Diversity, 2021, 111, 573-588.	12.3	42
5	Regional-Scale In-Depth Analysis of Soil Fungal Diversity Reveals Strong pH and Plant Species Effects in Northern Europe. Frontiers in Microbiology, 2020, 11, 1953.	3.5	126
6	Global patterns and determinants of bacterial communities associated with ectomycorrhizal root tips of <i>Alnus</i> species. Soil Biology and Biochemistry, 2020, 148, 107923.	8.8	5
7	FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. Fungal Diversity, 2020, 105, 1-16.	12.3	387
8	Host preference and network properties in biotrophic plant–fungal associations. New Phytologist, 2018, 217, 1230-1239.	7.3	107
9	Structure and function of the global topsoil microbiome. Nature, 2018, 560, 233-237.	27.8	1,370
10	Elevation, space and host plant species structure Ericaceae root-associated fungal communities in Papua New Guinea. Fungal Ecology, 2017, 30, 112-121.	1.6	5
11	Biogeography and Specificity of Ectomycorrhizal Fungi of <i>Coccoloba uvifera</i> . Ecological Studies, 2017, , 345-359.	1.2	11
12	Arbuscular mycorrhizal fungi associating with roots of <i>Alnus</i> and <i>Rubus</i> in Europe and the Middle East. Fungal Ecology, 2016, 24, 27-34.	1.6	12
13	Tree diversity and species identity effects on soil fungi, protists and animals are context dependent. ISME Journal, 2016, 10, 346-362.	9.8	307
14	Response to Comment on “Global diversity and geography of soil fungi”. Science, 2015, 349, 936-936.	12.6	43
15	Global diversity and geography of soil fungi. Science, 2014, 346, 1256688.	12.6	2,513
16	Global biogeography of <i>Alnus</i> -associated <i>Frankia</i> actinobacteria. New Phytologist, 2014, 204, 979-988.	7.3	41
17	The distance decay of similarity in communities of ectomycorrhizal fungi in different ecosystems and scales. Journal of Ecology, 2013, 101, 1335-1344.	4.0	124
18	Biogeography of ectomycorrhizal fungi associated with alders ( <i>Alnus</i> spp.) in relation to biotic and abiotic variables at the global scale. New Phytologist, 2013, 198, 1239-1249.	7.3	191

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19	Global sampling of plant roots expands the described molecular diversity of arbuscular mycorrhizal fungi. <i>Mycorrhiza</i> , 2013, 23, 411-430.	2.8	280
20	Infrageneric variation in partner specificity: multiple ectomycorrhizal symbionts associate with <i>Gnetum gnemon</i> (Gnetophyta) in Papua New Guinea. <i>Mycorrhiza</i> , 2012, 22, 663-668.	2.8	19
21	Diversity and community composition of ectomycorrhizal fungi in a dry deciduous dipterocarp forest in Thailand. <i>Biodiversity and Conservation</i> , 2012, 21, 2287-2298.	2.6	53
22	Regional and local patterns of ectomycorrhizal fungal diversity and community structure along an altitudinal gradient in the Hyrcanian forests of northern Iran. <i>New Phytologist</i> , 2012, 193, 465-473.	7.3	256
23	Towards global patterns in the diversity and community structure of ectomycorrhizal fungi. <i>Molecular Ecology</i> , 2012, 21, 4160-4170.	3.9	365
24	A single European aspen ( <i>Populus tremula</i> ) tree individual may potentially harbour dozens of <i>Cenococcum geophilum</i> ITS genotypes and hundreds of species of ectomycorrhizal fungi. <i>FEMS Microbiology Ecology</i> , 2011, 75, 313-320.	2.7	115
25	Description and identification of <i>Alnus acuminata</i> ectomycorrhizae from Argentinean alder stands. <i>Mycologia</i> , 2010, 102, 1263-1273.	1.9	21
26	Revisiting ectomycorrhizal fungi of the genus <i>Alnus</i> : differential host specificity, diversity and determinants of the fungal community. <i>New Phytologist</i> , 2009, 182, 727-735.	7.3	109
27	Shotgun metagenomes and multiple primer pair-barcode combinations of amplicons reveal biases in metabarcoding analyses of fungi. <i>MycoKeys</i> , 0, 10, 1-43.	1.9	409
28	Vertical stratification of microbial communities in woody plants. <i>Phytobiomes Journal</i> , 0, , .	2.7	6