

# Markus Gorfer

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,286  
citations

279798

23  
h-index

214800

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surviving trees and deadwood moderate changes in soil fungal communities and associated functioning after natural forest disturbance and salvage logging. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108558.	8.8	20
2	The effect of environmental parameters and fertilization practices on yield and soil microbial diversity in a Kenyan paddy rice field. <i>Applied Soil Ecology</i> , 2022, 176, 104495.	4.3	3
3	Amplitude and frequency of wetting and drying cycles drive N <sub>2</sub> and N <sub>2</sub> O emissions from a subtropical pasture. <i>Biology and Fertility of Soils</i> , 2022, 58, 593-605.	4.3	5
4	High Fungal Diversity but Low Seasonal Dynamics and Ectomycorrhizal Abundance in a Mountain Beech Forest. <i>Microbial Ecology</i> , 2021, 82, 243-256.	2.8	12
5	Gross Ammonification and Nitrification Rates in Soil Amended with Natural and NH <sub>4</sub> -Enriched Chabazite Zeolite and Nitrification Inhibitor DMPP. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2605.	2.5	9
6	Soil fertility relates to fungal-mediated decomposition and organic matter turnover in a temperate mountain forest. <i>New Phytologist</i> , 2021, 231, 777-790.	7.3	31
7	What is the role of the nitrate reductase ( <i>euknr</i> ) gene in fungi that live in nitrate-free environments? A targeted gene knock-out study in <i>Ampelomyces mycoparasites</i> . <i>Fungal Biology</i> , 2021, 125, 905-913.	2.5	5
8	Development and Validation of a Simple Bioaerosol Collection Filter System Using a Conventional Vacuum Cleaner for Sampling. <i>Aerosol Science and Engineering</i> , 2021, 5, 404-418.	1.9	5
9	Soil microbial community structure and function mainly respond to indirect effects in a multifactorial climate manipulation experiment. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107704.	8.8	45
10	Colonization of <i>Vitis vinifera</i> L. by the Endophyte <i>Trichoderma</i> sp. Strain T154: Biocontrol Activity Against <i>Phaeoacremonium minimum</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1170.	3.6	29
11	NO and N <sub>2</sub> O transformations of diverse fungi in hypoxia: evidence for anaerobic respiration only in <i>Fusarium</i> strains. <i>Environmental Microbiology</i> , 2020, 22, 2182-2195.	3.8	24
12	Effect of the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) on N-turnover, the N <sub>2</sub> O reductase-gene <i>nosZ</i> and N <sub>2</sub> O:N <sub>2</sub> partitioning from agricultural soils. <i>Scientific Reports</i> , 2020, 10, 2399.	3.3	34
13	Trace gas fluxes from managed grassland soil subject to multifactorial climate change manipulation. <i>Applied Soil Ecology</i> , 2019, 137, 1-11.	4.3	14
14	Green Fluorescent Protein Transformation Sheds More Light on a Widespread Mycoparasitic Interaction. <i>Phytopathology</i> , 2019, 109, 1404-1416.	2.2	14
15	Photodynamic Antimicrobial Cellulosic Material Through Covalent Linkage of Protoporphyrin IX onto Lyocell Fibers. <i>Journal of Wood Chemistry and Technology</i> , 2019, 39, 57-74.	1.7	13
16	A novel laminar-flow-based bioaerosol test system to determine biological sampling efficiencies of bioaerosol samplers. <i>Aerosol Science and Technology</i> , 2019, 53, 355-370.	3.1	4
17	Assessment of Cu applications in two contrasting soils—effects on soil microbial activity and the fungal community structure. <i>Ecotoxicology</i> , 2018, 27, 217-233.	2.4	54
18	Validation of a quantitative PCR based detection system for indoor mold exposure assessment in bioaerosols. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1454-1468.	3.5	15

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19	Isotopic effects of PCE induced by organohalide-respiring bacteria. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24803-24815.	5.3	7
20	Antimicrobial Drimane Sesquiterpenes Contribute to Balanced Antagonism but Do Not Structure Bacterial and Fungal Endophytes in the African Pepper Bark Tree <i>Warburgia ugandensis</i> . <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	1
21	Differing Alterations of Two Esca Associated Fungi, <i>Phaeoacremonium aleophilum</i> and <i>Phaeomoniella chlamydospora</i> on Transcriptomic Level, to Co-Cultured <i>Vitis vinifera</i> L. calli. <i>PLoS ONE</i> , 2016, 11, e0163344.	2.5	7
22	<i>Agromyces aureus</i> sp. nov., isolated from the rhizosphere of <i>Salix caprea</i> L. grown in a heavy-metal-contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3749-3754.	1.7	21
23	An explicit AFLP-based marker for monitoring <i>Fusarium oxysporum</i> f.sp. <i>strigae</i> in tropical soils. <i>Biological Control</i> , 2015, 89, 42-52.	3.0	11
24	Synthesis, characterization and photo-bactericidal activity of silanized xanthene-modified bacterial cellulose membranes. <i>Cellulose</i> , 2015, 22, 3291-3304.	4.9	24
25	Deciphering the Niches of Colonisation of <i>Vitis vinifera</i> L. by the Esca-Associated Fungus <i>Phaeoacremonium aleophilum</i> Using a gfp Marked Strain and Cutting Systems. <i>PLoS ONE</i> , 2015, 10, e0126851.	2.5	27
26	Literature search and data collection on RA for human health for microorganisms used as plant protection products. <i>EFSA Supporting Publications</i> , 2015, 12, 801E.	0.7	0
27	Fungi Treated with Small Chemicals Exhibit Increased Antimicrobial Activity against Facultative Bacterial and Yeast Pathogens. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	24
28	Subsurface earthworm casts can be important soil microsites specifically influencing the growth of grassland plants. <i>Biology and Fertility of Soils</i> , 2013, 49, 1097-1107.	4.3	18
29	Beurteilung, Messmethoden, Identifizierung. , 2013, , 195-422.		0
30	CREST – Classification Resources for Environmental Sequence Tags. <i>PLoS ONE</i> , 2012, 7, e49334.	2.5	255
31	N-Glycosylation engineering of plants for the biosynthesis of glycoproteins with bisected and branched complex N-glycans. <i>Glycobiology</i> , 2011, 21, 813-823.	2.5	120
32	Community profiling and gene expression of fungal assimilatory nitrate reductases in agricultural soil. <i>ISME Journal</i> , 2011, 5, 1771-1783.	9.8	67
33	Interactions between accumulation of trace elements and macronutrients in <i>Salix caprea</i> after inoculation with rhizosphere microorganisms. <i>Chemosphere</i> , 2011, 84, 1256-1261.	8.2	66
34	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
35	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
36	Molecular diversity of fungal communities in agricultural soils from Lower Austria. <i>Fungal Diversity</i> , 2010, 44, 65-75.	12.3	143

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37	Short-term competition between crop plants and soil microbes for inorganic N fertilizer. <i>Soil Biology and Biochemistry</i> , 2010, 42, 360-372.	8.8	186
38	Culturable bacteria from Zn- and Cd-accumulating <i>Salix caprea</i> with differential effects on plant growth and heavy metal availability. <i>Journal of Applied Microbiology</i> , 2010, 108, 1471-1484.	3.1	209
39	A library-based method to rapidly analyse chromatin accessibility at multiple genomic regions. <i>Nucleic Acids Research</i> , 2009, 37, e42-e42.	14.5	5
40	Identification of heavy metal regulated genes from the root associated ascomycete <i>Cadophora finlandica</i> using a genomic microarray. <i>Mycological Research</i> , 2009, 113, 1377-1388.	2.5	39
41	A cost-effective high-throughput microcosm system for studying nitrogen dynamics at the plant-microbe-soil interface. <i>Plant and Soil</i> , 2009, 317, 293-307.	3.7	26
42	Rhizosphere bacteria affect growth and metal uptake of heavy metal accumulating willows. <i>Plant and Soil</i> , 2008, 304, 35-44.	3.7	247
43	Diversity and structure of ectomycorrhizal and co-associated fungal communities in a serpentine soil. <i>Mycorrhiza</i> , 2008, 18, 339-354.	2.8	59
44	<i>Cadophora finlandica</i> and <i>Phialocephala fortinii</i> : <i>Agrobacterium</i> -mediated transformation and functional GFP expression. <i>Mycological Research</i> , 2007, 111, 850-855.	2.5	20
45	Genetic transformation of ectomycorrhizal fungi mediated by <i>Agrobacterium tumefaciens</i> . <i>Mycological Research</i> , 2002, 106, 132-137.	2.5	68
46	T-DNA transfer and integration in the ectomycorrhizal fungus <i>Suillus bovinus</i> using hygromycin B as a selectable marker. <i>Current Genetics</i> , 2002, 41, 183-188.	1.7	71
47	Characterization of Small GTPases Cdc42 and Rac and the Relationship Between Cdc42 and Actin Cytoskeleton in Vegetative and Ectomycorrhizal Hyphae of <i>Suillus bovinus</i> . <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 135-144.	2.6	41
48	Molecular characterization of actin genes from homobasidiomycetes: two different actin genes from <i>Schizophyllum commune</i> and <i>Suillus bovinus</i> . <i>Gene</i> , 2000, 251, 27-35.	2.2	37
49	<i>Trichoderma reesei</i> prs12 encodes a stress- and unfolded-protein-response-inducible regulatory subunit of the fungal 26S proteasome. <i>Current Genetics</i> , 1998, 33, 284-290.	1.7	13