

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 | CREST – Classification Resources for Environmental Sequence Tags. <i>PLoS ONE</i> , 2012, 7, e49334. | 2.5 | 255 |
| 2 | Rhizosphere bacteria affect growth and metal uptake of heavy metal accumulating willows. <i>Plant and Soil</i> , 2008, 304, 35-44. | 3.7 | 247 |
| 3 | 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 |
| 4 | 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 |
| 5 | Molecular diversity of fungal communities in agricultural soils from Lower Austria. <i>Fungal Diversity</i> , 2010, 44, 65-75. | 12.3 | 143 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Genetic transformation of ectomycorrhizal fungi mediated by <i>Agrobacterium tumefaciens</i> . <i>Mycological Research</i> , 2002, 106, 132-137. | 2.5 | 68 |
| 10 | Community profiling and gene expression of fungal assimilatory nitrate reductases in agricultural soil. <i>ISME Journal</i> , 2011, 5, 1771-1783. | 9.8 | 67 |
| 11 | 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 |
| 12 | Diversity and structure of ectomycorrhizal and co-associated fungal communities in a serpentine soil. <i>Mycorrhiza</i> , 2008, 18, 339-354. | 2.8 | 59 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Effect of the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) on N-turnover, the N ₂ O reductase-gene <i>nosZ</i> and N ₂ O:N ₂ partitioning from agricultural soils. <i>Scientific Reports</i> , 2020, 10, 2399. | 3.3 | 34 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 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 | NO and N ₂ 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 |
| 26 | <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 |
| 27 | <i>Cadophora finlandia</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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Green Fluorescent Protein Transformation Sheds More Light on a Widespread Mycoparasitic Interaction. <i>Phytopathology</i> , 2019, 109, 1404-1416. | 2.2 | 14 |
| 34 | <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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | Gross Ammonification and Nitrification Rates in Soil Amended with Natural and NH ₄ -Enriched Chabazite Zeolite and Nitrification Inhibitor DMPP. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2605. | 2.5 | 9 |
| 39 | Differing Alterations of Two Esca Associated Fungi, <i>Phaeoacremonium aleophilum</i> and <i>Phaeoconiella chlamydospora</i> on Transcriptomic Level, to Co-Cultured <i>Vitis vinifera</i> L. calli. <i>PLoS ONE</i> , 2016, 11, e0163344. | 2.5 | 7 |
| 40 | Isotopic effects of PCE induced by organohalide-respiring bacteria. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24803-24815. | 5.3 | 7 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Amplitude and frequency of wetting and drying cycles drive N ₂ and N ₂ O emissions from a subtropical pasture. <i>Biology and Fertility of Soils</i> , 2022, 58, 593-605. | 4.3 | 5 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Beurteilung, Messmethoden, Identifizierung. , 2013, , 195-422. | | 0 |
| 49 | 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 |