

Thomas Reitz

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,006
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1225
citing authors

#	ARTICLE	IF	CITATIONS
1	Mineral vs. Organic Amendments: Microbial Community Structure, Activity and Abundance of Agriculturally Relevant Microbes Are Driven by Long-Term Fertilization Strategies. <i>Frontiers in Microbiology</i> , 2016, 7, 1446.	3.5	462
2	Investigating the consequences of climate change under different land-use regimes: a novel experimental infrastructure. <i>Ecosphere</i> , 2019, 10, e02635.	2.2	85
3	Glucose dehydrogenase gene containing phosphobacteria for biofortification of Phosphorus with growth promotion of rice. <i>Microbiological Research</i> , 2019, 223-225, 1-12.	5.3	59
4	Extensive grassland-use sustains high levels of soil biological activity, but does not alleviate detrimental climate change effects. <i>Advances in Ecological Research</i> , 2019, , 25-58.	2.7	44
5	Re-evaluation of the yield response to phosphorus fertilization based on meta-analyses of long-term field experiments. <i>Ambio</i> , 2018, 47, 50-61.	5.5	42
6	Dynamics of Soil Bacterial Communities Over a Vegetation Season Relate to Both Soil Nutrient Status and Plant Growth Phenology. <i>Microbial Ecology</i> , 2018, 75, 216-227.	2.8	42
7	Interactions between soil properties, agricultural management and cultivar type drive structural and functional adaptations of the wheat rhizosphere microbiome to drought. <i>Environmental Microbiology</i> , 2021, 23, 5866-5882.	3.8	36
8	Shifts Between and Among Populations of Wheat Rhizosphere <i>Pseudomonas</i> , <i>Streptomyces</i> and <i>Phyllobacterium</i> Suggest Consistent Phosphate Mobilization at Different Wheat Growth Stages Under Abiotic Stress. <i>Frontiers in Microbiology</i> , 2019, 10, 3109.	3.5	25
9	The wheat growth-promoting traits of <i>Ochrobactrum</i> and <i>Pantoea</i> species, responsible for solubilization of different P sources, are ensured by genes encoding enzymes of multiple P-releasing pathways. <i>Microbiological Research</i> , 2021, 246, 126703.	5.3	24
10	Decrease of U(VI) Immobilization Capability of the Facultative Anaerobic Strain <i>Paenibacillus</i> sp. JG-TB8 under Anoxic Conditions Due to Strongly Reduced Phosphatase Activity. <i>PLoS ONE</i> , 2014, 9, e102447.	2.5	24
11	Spectroscopic study on uranyl carboxylate complexes formed at the surface layer of <i>Sulfolobus acidocaldarius</i> . <i>Dalton Transactions</i> , 2015, 44, 2684-2692.	3.3	22
12	Priming effects in soils across Europe. <i>Global Change Biology</i> , 2022, 28, 2146-2157.	9.5	22
13	Thresholds of target phosphorus fertility classes in European fertilizer recommendations in relation to critical soil test phosphorus values derived from the analysis of 55 European long-term field experiments. <i>Agriculture, Ecosystems and Environment</i> , 2022, 332, 107926.	5.3	21
14	Influence of Commonly Used Primer Systems on Automated Ribosomal Intergenic Spacer Analysis of Bacterial Communities in Environmental Samples. <i>PLoS ONE</i> , 2015, 10, e0118967.	2.5	18
15	Low-intensity land-use enhances soil microbial activity, biomass and fungal-to-bacterial ratio in current and future climates. <i>Journal of Applied Ecology</i> , 2021, 58, 2614-2625.	4.0	15
16	Interactions of <i>Sulfolobus acidocaldarius</i> with uranium. <i>Radiochimica Acta</i> , 2010, 98, .	1.2	13
17	Reinoculation elucidates mechanisms of bacterial community assembly in soil and reveals undetected microbes. <i>Biology and Fertility of Soils</i> , 2016, 52, 1073-1083.	4.3	13
18	Combined effects of land-use type and climate change on soil microbial activity and invertebrate decomposer activity. <i>Agriculture, Ecosystems and Environment</i> , 2021, 318, 107490.	5.3	13

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19	Can We Estimate Functionality of Soil Microbial Communities from Structure-Derived Predictions? A Reality Test in Agricultural Soils. <i>Microbiology Spectrum</i> , 2021, 9, e0027821.	3.0	11
20	Designing Synergistic Biostimulants Formulation Containing Autochthonous Phosphate-Solubilizing Bacteria for Sustainable Wheat Production. <i>Frontiers in Microbiology</i> , 2022, 13, 889073.	3.5	8
21	The equivalence of the Calcium-Acetate-Lactate and Double-Lactate extraction methods to assess soil phosphorus fertility. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 795-801.	1.9	7