

Thilo Eickhorst

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

5,831
citations

331670

21
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

6129
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the core <i>Arabidopsis thaliana</i> root microbiome. <i>Nature</i> , 2012, 488, 86-90.	27.8	2,475
2	Revealing structure and assembly cues for <i>Arabidopsis</i> root-inhabiting bacterial microbiota. <i>Nature</i> , 2012, 488, 91-95.	27.8	2,127
3	Emergent Properties of Microbial Activity in Heterogeneous Soil Microenvironments: Different Research Approaches Are Slowly Converging, Yet Major Challenges Remain. <i>Frontiers in Microbiology</i> , 2018, 9, 1929.	3.5	168
4	Improved detection of soil microorganisms using fluorescence in situ hybridization (FISH) and catalyzed reporter deposition (CARD-FISH). <i>Soil Biology and Biochemistry</i> , 2008, 40, 1883-1891.	8.8	112
5	Microbial life on a sand grain: from bulk sediment to single grains. <i>ISME Journal</i> , 2018, 12, 623-633.	9.8	99
6	Detection of microorganisms in undisturbed soil by combining fluorescence in situ hybridization (FISH) and micropedological methods. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1284-1293.	8.8	77
7	Correlative Imaging Reveals Holistic View of Soil Microenvironments. <i>Environmental Science & Technology</i> , 2019, 53, 829-837.	10.0	70
8	Evaluation of Strategies to Separate Root-Associated Microbial Communities: A Crucial Choice in Rhizobiome Research. <i>Frontiers in Microbiology</i> , 2016, 7, 773.	3.5	69
9	Detection and quantification of native microbial populations on soil-grown rice roots by catalyzed reporter deposition-fluorescence in situ hybridization. <i>FEMS Microbiology Ecology</i> , 2014, 87, 390-402.	2.7	66
10	Detection of soil water in macropores of undisturbed soil using microfocus X-ray tube computerized tomography (μ CT). <i>Soil and Tillage Research</i> , 2009, 105, 12-20.	5.6	65
11	Monitoring of root growth and redox conditions in paddy soil rhizotrons by redox electrodes and image analysis. <i>Plant and Soil</i> , 2011, 341, 221-232.	3.7	58
12	Combination of techniques to quantify the distribution of bacteria in their soil microhabitats at different spatial scales. <i>Geoderma</i> , 2019, 334, 165-174.	5.1	53
13	Rates and Microbial Players of Iron-Driven Anaerobic Oxidation of Methane in Methanic Marine Sediments. <i>Frontiers in Microbiology</i> , 2019, 10, 3041.	3.5	51
14	Gold-FISH: A new approach for the in situ detection of single microbial cells combining fluorescence and scanning electron microscopy. <i>Systematic and Applied Microbiology</i> , 2012, 35, 518-525.	2.8	39
15	Analysis of physical pore space characteristics of two pyrolytic biochars and potential as microhabitat. <i>Plant and Soil</i> , 2016, 408, 357-368.	3.7	39
16	Recognizing Patterns: Spatial Analysis of Observed Microbial Colonization on Root Surfaces. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	38
17	Management-induced structural dynamics in paddy soils of south east China simulated in microcosms. <i>Soil and Tillage Research</i> , 2009, 102, 168-178.	5.6	36
18	Structure and pore system in differently managed clayey surface soil as described by micromorphology and image analysis. <i>Geoderma</i> , 2012, 173-174, 10-18.	5.1	33

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19	Spatio-temporal variability of microbial abundance and community structure in the puddled layer of a paddy soil cultivated with wetland rice (<i>Oryza sativa</i> L.). <i>Applied Soil Ecology</i> , 2013, 72, 93-102.	4.3	32
20	Influence of soil structure on the spread of <i>Pseudomonas fluorescens</i> in soil at microscale. <i>European Journal of Soil Science</i> , 2021, 72, 141-153.	3.9	29
21	Negligible effect of X-ray μ -CT scanning on archaea and bacteria in an agricultural soil. <i>Soil Biology and Biochemistry</i> , 2015, 84, 21-27.	8.8	27
22	Control of Pore Geometry in Soil Microcosms and Its Effect on the Growth and Spread of <i>Pseudomonas</i> and <i>Bacillus</i> sp.. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	23
23	Collembola Reproduction Decreases with Aging of Silver Nanoparticles in a Sewage Sludge-Treated Soil. <i>Frontiers in Environmental Science</i> , 2017, 5, .	3.3	19
24	Evaluation of tyramide solutions for an improved detection and enumeration of single microbial cells in soil by CARD-FISH. <i>Journal of Microbiological Methods</i> , 2012, 91, 399-405.	1.6	12
25	Accumulation of Cry1Ab/Ac proteins released from transgenic Bt -rice in the rhizosphere of a paddy soil. <i>Rhizosphere</i> , 2018, 6, 39-46.	3.0	9
26	Degradation of transgenic Bt-rice straw incorporated with two different paddy soils. <i>Journal of Environmental Management</i> , 2019, 244, 415-421.	7.8	3
27	Cry1Ab/Ac proteins released from subspecies of <i>Bacillus thuringiensis</i> (Bt) and transgenic Bt-rice in different paddy soils. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1546-1555.	2.6	2