

Stephanie A Eichorst

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,946
citations

331670

21
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

4101
citing authors

#	ARTICLE	IF	CITATIONS
1	The breakthrough paradox. <i>EMBO Reports</i> , 2022, 23, .	4.5	5
2	Acidobacteria are active and abundant members of diverse atmospheric H ₂ -oxidizing communities detected in temperate soils. <i>ISME Journal</i> , 2021, 15, 363-376.	9.8	23
3	Microaerobic Lifestyle at Nanomolar O ₂ Concentrations Mediated by Low-Affinity Terminal Oxidases in Abundant Soil Bacteria. <i>MSystems</i> , 2021, 6, e0025021.	3.8	12
4	One Complete and Seven Draft Genome Sequences of Subdivision 1 and 3 <i>Acidobacteria</i> Isolated from Soil. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
5	Complementary Metagenomic Approaches Improve Reconstruction of Microbial Diversity in a Forest Soil. <i>MSystems</i> , 2020, 5, .	3.8	45
6	Rapid Transfer of Plant Photosynthates to Soil Bacteria via Ectomycorrhizal Hyphae and Its Interaction With Nitrogen Availability. <i>Frontiers in Microbiology</i> , 2019, 10, 168.	3.5	106
7	Soil multifunctionality is affected by the soil environment and by microbial community composition and diversity. <i>Soil Biology and Biochemistry</i> , 2019, 136, 107521.	8.8	217
8	Peatland <i>Acidobacteria</i> with a dissimilatory sulfur metabolism. <i>ISME Journal</i> , 2018, 12, 1729-1742.	9.8	168
9	Genomic insights into the <i>Acidobacteria</i> reveal strategies for their success in terrestrial environments. <i>Environmental Microbiology</i> , 2018, 20, 1041-1063.	3.8	228
10	Application of stable isotope labelling techniques for the detection of active diazotrophs. <i>Environmental Microbiology</i> , 2018, 20, 44-61.	3.8	44
11	A bacterial pioneer produces cellulase complexes that persist through community succession. <i>Nature Microbiology</i> , 2018, 3, 99-107.	13.3	38
12	Evaluation of Primers Targeting the Diazotroph Functional Gene and Development of NifMAP – A Bioinformatics Pipeline for Analyzing nifH Amplicon Data. <i>Frontiers in Microbiology</i> , 2018, 9, 703.	3.5	50
13	Soil microbial carbon use efficiency and biomass turnover in a long-term fertilization experiment in a temperate grassland. <i>Soil Biology and Biochemistry</i> , 2016, 97, 168-175.	8.8	205
14	Refining the phylum Chlorobi by resolving the phylogeny and metabolic potential of the representative of a deeply branching, uncultivated lineage. <i>ISME Journal</i> , 2016, 10, 833-845.	9.8	62
15	Genomic Analysis of Xylose Metabolism in Members of the <i>Deinococcus-Thermus</i> Phylum from Thermophilic Biomass-Deconstructing Bacterial Consortia. <i>Bioenergy Research</i> , 2015, 8, 1031-1038.	3.9	4
16	Advancements in the application of NanoSIMS and Raman microspectroscopy to investigate the activity of microbial cells in soils. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv106.	2.7	105
17	Nitrogen Fertilization Has a Stronger Effect on Soil Nitrogen-Fixing Bacterial Communities than Elevated Atmospheric CO ₂ . <i>Applied and Environmental Microbiology</i> , 2014, 80, 3103-3112.	3.1	122
18	Substrate-Specific Development of Thermophilic Bacterial Consortia by Using Chemically Pretreated Switchgrass. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7423-7432.	3.1	27

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19	Community dynamics of cellulose-adapted thermophilic bacterial consortia. <i>Environmental Microbiology</i> , 2013, 15, 2573-2587.	3.8	77
20	Identification of Cellulose-Responsive Bacterial and Fungal Communities in Geographically and Edaphically Different Soils by Using Stable Isotope Probing. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2316-2327.	3.1	175
21	Accurate, Rapid Taxonomic Classification of Fungal Large-Subunit rRNA Genes. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1523-1533.	3.1	160
22	Substrate perturbation alters the glycoside hydrolase activities and community composition of switchgrass-adapted bacterial consortia. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1140-1145.	3.3	17
23	A robust PCR primer design platform applied to the detection of Acidobacteria Group 1 in soil. <i>Nucleic Acids Research</i> , 2012, 40, e96-e96.	14.5	10
24	Common bacterial responses in six ecosystems exposed to 10 years of elevated atmospheric carbon dioxide. <i>Environmental Microbiology</i> , 2012, 14, 1145-1158.	3.8	79
25	Influence of Plant Polymers on the Distribution and Cultivation of Bacteria in the Phylum <i>Acidobacteria</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 586-596.	3.1	227
26	Biological Consequences of Ancient Gene Acquisition and Duplication in the Large Genome of <i>Candidatus Solibacter usitatus</i> Ellin6076. <i>PLoS ONE</i> , 2011, 6, e24882.	2.5	60
27	Isolation and Characterization of Soil Bacteria That Define <i>Terriglobus</i> gen. nov., in the Phylum <i>Acidobacteria</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 2708-2717.	3.1	301
28	New Strategies for Cultivation and Detection of Previously Uncultured Microbes. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4748-4755.	3.1	369
29	Editorial: <i>Acidobacteria</i> – Towards Unraveling the Secrets of a Widespread, Though Enigmatic, Phylum. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4