

Jayde A Aufrecht

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

701
citations

840776

11
h-index

996975

15
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16
all docs

16
docs citations

16
times ranked

1196
citing authors

#	ARTICLE	IF	CITATIONS
1	Hotspots of root-exuded amino acids are created within a rhizosphere-on-a-chip. <i>Lab on A Chip</i> , 2022, 22, 954-963.	6.0	16
2	Synthetic Soil Aggregates: Bioprinted Habitats for High-Throughput Microbial Metaphenomics. <i>Microorganisms</i> , 2022, 10, 944.	3.6	1
3	Pore-scale hydrodynamics influence the spatial evolution of bacterial biofilms in a microfluidic porous network. <i>PLoS ONE</i> , 2019, 14, e0218316.	2.5	55
4	Label-free time- and space-resolved exometabolite sampling of growing plant roots through nanoporous interfaces. <i>Scientific Reports</i> , 2019, 9, 10272.	3.3	12
5	Microfluidics and Metabolomics Reveal Symbiotic Bacterial-Fungal Interactions Between <i>Mortierella elongata</i> and <i>Burkholderia</i> Include Metabolite Exchange. <i>Frontiers in Microbiology</i> , 2019, 10, 2163.	3.5	37
6	Increasing access to microfluidics for studying fungi and other branched biological structures. <i>Fungal Biology and Biotechnology</i> , 2019, 6, 1.	5.1	17
7	Soil Aggregate Microbial Communities: Towards Understanding Microbiome Interactions at Biologically Relevant Scales. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	233
8	Quantifying the Spatiotemporal Dynamics of Plant Root Colonization by Beneficial Bacteria in a Microfluidic Habitat. <i>Advanced Biology</i> , 2018, 2, 1800048.	3.0	31
9	Accessing microfluidics through feature-based design software for 3D printing. <i>PLoS ONE</i> , 2018, 13, e0192752.	2.5	15
10	Imaging the Root Hair Morphology of <i>Arabidopsis</i> Seedlings in a Two-layer Microfluidic Platform. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8
11	Two Poplar-Associated Bacterial Isolates Induce Additive Favorable Responses in a Constructed Plant-Microbiome System. <i>Frontiers in Plant Science</i> , 2016, 7, 497.	3.6	113
12	Ultrasensitive analyte detection with plasmonic paper dipsticks and swabs integrated with branched nanoantennas. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10446-10454.	5.5	54
13	Morphological modulation of bimetallic nanostructures for accelerated catalysis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7088-7098.	10.3	31
14	Geometry-Dependent Plasmonic Tunability and Photothermal Characteristics of Multibranching Gold Nanoantennas. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3696-3707.	3.1	75