

Christian Dusny

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

669
citations

623734

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24
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28
all docs

28
docs citations

28
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the growth kinetics and stoichiometry of <i>Escherichia coli</i> at the single-cell level. <i>Engineering in Life Sciences</i> , 2023, 23, .	3.6	8
2	Fluorescence lifetime activated droplet sorting (FLADS) for label-free sorting of <i>Synechocystis</i> sp. PCC6803. <i>Lab on A Chip</i> , 2022, 22, 1604-1614.	6.0	8
3	Quantification of Biocatalytic Transformations by Single Microbial Cells Enabled by Tailored Integration of Droplet Microfluidics and Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	18
4	Impact of Fungal Hyphae on Growth and Dispersal of Obligate Anaerobic Bacteria in Aerated Habitats. <i>MBio</i> , 2022, 13, .	4.1	7
5	pH Distribution along Growing Fungal Hyphae at Microscale. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 599.	3.5	2
6	Microfluidic device for concentration and SERS-based detection of bacteria in drinking water. <i>Electrophoresis</i> , 2021, 42, 86-94.	2.4	31
7	Illuminate the hidden: in vivo mapping of microscale pH in the mycosphere using a novel whole-cell biosensor. <i>ISME Communications</i> , 2021, 1, .	4.2	4
8	Microfluidic single-cell analysis in biotechnology: from monitoring towards understanding. <i>Current Opinion in Biotechnology</i> , 2020, 63, 26-33.	6.6	46
9	Conversion Efficiencies of a Few Living Microbial Cells Detected at a High Throughput by Droplet-Based ESI-MS. <i>Analytical Chemistry</i> , 2020, 92, 10700-10708.	6.5	21
10	Microfluidic Single-Cell Analytics. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2020, , 1.	1.1	4
11	Quantifying a Biocatalytic Product from a Few Living Microbial Cells Using Microfluidic Cultivation Coupled to FT-ICR-MS. <i>Analytical Chemistry</i> , 2019, 91, 7012-7018.	6.5	25
12	l-Arabinose triggers its own uptake via induction of the arabinose-specific Gal2p transporter in an industrial <i>Saccharomyces cerevisiae</i> strain. <i>Biotechnology for Biofuels</i> , 2018, 11, 231.	6.2	5
13	Taking control over microbial populations: Current approaches for exploiting biological noise in bioprocesses. <i>Biotechnology Journal</i> , 2017, 12, 1600549.	3.5	41
14	Beyond the bulk: disclosing the life of single microbial cells. <i>FEMS Microbiology Reviews</i> , 2017, 41, 751-780.	8.6	38
15	Miniaturized octupole cytometry for cell type independent trapping and analysis. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	10
16	The <i>MOX</i> promoter in <i>Hansenula polymorpha</i> is ultrasensitive to glucose-mediated carbon catabolite repression. <i>FEMS Yeast Research</i> , 2016, 16, fow067.	2.3	13
17	An Inert Continuous Microreactor for the Isolation and Analysis of a Single Microbial Cell. <i>Micromachines</i> , 2015, 6, 1836-1855.	2.9	15
18	Technical bias of microcultivation environments on single-cell physiology. <i>Lab on A Chip</i> , 2015, 15, 1822-1834.	6.0	39

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19	Challenging biological limits with microfluidic single cell analysis. <i>Microbial Biotechnology</i> , 2015, 8, 23-25.	4.2	4
20	Microfluidic single-cell analysis links boundary environments and individual microbial phenotypes. <i>Environmental Microbiology</i> , 2015, 17, 1839-1856.	3.8	41
21	Picoliter nDEP traps enable time-resolved contactless single bacterial cell analysis in controlled microenvironments. <i>Lab on A Chip</i> , 2013, 13, 397-408.	6.0	42
22	Isolated Microbial Single Cells and Resulting Micropopulations Grow Faster in Controlled Environments. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7132-7136.	3.1	35
23	Single-Cell Analysis in Biotechnology, Systems Biology, and Biocatalysis. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2012, 3, 129-155.	6.8	174
24	Productive Asymmetric Styrene Epoxidation Based on a Next Generation Electroenzymatic Methodology. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2505-2515.	4.3	38
25	Quantification of Biocatalytic Transformations by Single Microbial Cells Enabled by Tailored Integration of Droplet Microfluidics and Mass Spectrometry. <i>Angewandte Chemie</i> , 0, , .	2.0	0