

# Christian Dusny

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4623366/publications.pdf>

Version: 2024-02-01

25  
papers

669  
citations

623734

14  
h-index

610901

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Analysis in Biotechnology, Systems Biology, and Biocatalysis. Annual Review of Chemical and Biomolecular Engineering, 2012, 3, 129-155.	6.8	174
2	Microfluidic single-cell analysis in biotechnology: from monitoring towards understanding. Current Opinion in Biotechnology, 2020, 63, 26-33.	6.6	46
3	Picoliter nDEP traps enable time-resolved contactless single bacterial cell analysis in controlled microenvironments. Lab on A Chip, 2013, 13, 397-408.	6.0	42
4	Microfluidic single-cell analysis links boundary environments and individual microbial phenotypes. Environmental Microbiology, 2015, 17, 1839-1856.	3.8	41
5	Taking control over microbial populations: Current approaches for exploiting biological noise in bioprocesses. Biotechnology Journal, 2017, 12, 1600549.	3.5	41
6	Technical bias of microcultivation environments on single-cell physiology. Lab on A Chip, 2015, 15, 1822-1834.	6.0	39
7	Productive Asymmetric Styrene Epoxidation Based on a Next Generation Electroenzymatic Methodology. Advanced Synthesis and Catalysis, 2009, 351, 2505-2515.	4.3	38
8	Beyond the bulk: disclosing the life of single microbial cells. FEMS Microbiology Reviews, 2017, 41, 751-780.	8.6	38
9	Isolated Microbial Single Cells and Resulting Micropopulations Grow Faster in Controlled Environments. Applied and Environmental Microbiology, 2012, 78, 7132-7136.	3.1	35
10	Microfluidic device for concentration and SERS-based detection of bacteria in drinking water. Electrophoresis, 2021, 42, 86-94.	2.4	31
11	Quantifying a Biocatalytic Product from a Few Living Microbial Cells Using Microfluidic Cultivation Coupled to FT-ICR-MS. Analytical Chemistry, 2019, 91, 7012-7018.	6.5	25
12	Conversion Efficiencies of a Few Living Microbial Cells Detected at a High Throughput by Droplet-Based ESI-MS. Analytical Chemistry, 2020, 92, 10700-10708.	6.5	21
13	Quantification of Biocatalytic Transformations by Single Microbial Cells Enabled by Tailored Integration of Droplet Microfluidics and Mass Spectrometry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	18
14	An Inert Continuous Microreactor for the Isolation and Analysis of a Single Microbial Cell. Micromachines, 2015, 6, 1836-1855.	2.9	15
15	The <i>MOX</i> promoter in <i>Hansenula polymorpha</i> is ultrasensitive to glucose-mediated carbon catabolite repression. FEMS Yeast Research, 2016, 16, fow067.	2.3	13
16	Miniaturized octupole cytometry for cell type independent trapping and analysis. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	10
17	Fluorescence lifetime activated droplet sorting (FLADS) for label-free sorting of <i>Synechocystis</i> sp. PCC6803. Lab on A Chip, 2022, 22, 1604-1614.	6.0	8
18	Assessing the growth kinetics and stoichiometry of <i>Escherichia coli</i> at the single-cell level. Engineering in Life Sciences, 2023, 23, .	3.6	8

#	ARTICLE	IF	CITATIONS
19	Impact of Fungal Hyphae on Growth and Dispersal of Obligate Anaerobic Bacteria in Aerated Habitats. MBio, 2022, 13, .	4.1	7
20	l-Arabinose triggers its own uptake via induction of the arabinose-specific Gal2p transporter in an industrial Saccharomyces cerevisiae strain. Biotechnology for Biofuels, 2018, 11, 231.	6.2	5
21	Challenging biological limits with microfluidic single cell analysis. Microbial Biotechnology, 2015, 8, 23-25.	4.2	4
22	Microfluidic Single-Cell Analytics. Advances in Biochemical Engineering/Biotechnology, 2020, , 1.	1.1	4
23	Illuminate the hidden: in vivo mapping of microscale pH in the mycosphere using a novel whole-cell biosensor. ISME Communications, 2021, 1, .	4.2	4
24	pH Distribution along Growing Fungal Hyphae at Microscale. Journal of Fungi (Basel, Switzerland), 2022, 8, 599.	3.5	2
25	Quantification of Biocatalytic Transformations by Single Microbial Cells Enabled by Tailored Integration of Droplet Microfluidics and Mass Spectrometry. Angewandte Chemie, 0, , .	2.0	0