

Frauke Kracke

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,139
citations

758635

12
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

1472
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing a Zn–Ag Catalyst Matrix and Electrolyzer System for CO ₂ Conversion to CO and Beyond. <i>Advanced Materials</i> , 2022, 34, e2103963.	11.1	41
2	Developing reactors for electrifying bio-methanation: a perspective from bio-electrochemistry. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1249-1263.	2.5	3
3	Efficient Hydrogen Delivery for Microbial Electrosynthesis via 3D-Printed Cathodes. <i>Frontiers in Microbiology</i> , 2021, 12, 696473.	1.5	25
4	Low-Cost Clamp-On Photometers (ClampOD) and Tube Photometers (TubeOD) for Online Cell Density Determination. <i>Frontiers in Microbiology</i> , 2021, 12, 790576.	1.5	2
5	<i>In situ</i> electrochemical H ₂ production for efficient and stable power-to-gas electromethanogenesis. <i>Green Chemistry</i> , 2020, 22, 6194-6203.	4.6	38
6	Microbial electrosynthesis system with dual biocathode arrangement for simultaneous acetogenesis, solventogenesis and carbon chain elongation. <i>Chemical Communications</i> , 2019, 55, 4351-4354.	2.2	60
7	Robust and biocompatible catalysts for efficient hydrogen-driven microbial electrosynthesis. <i>Communications Chemistry</i> , 2019, 2, .	2.0	82
8	Balancing cellular redox metabolism in microbial electrosynthesis and electro fermentation – A chance for metabolic engineering. <i>Metabolic Engineering</i> , 2018, 45, 109-120.	3.6	80
9	Metabolic Network Analysis of Microbial Methane Utilization for Biomass Formation and Upgrading to Bio-Fuels. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	8
10	Predicting and experimental evaluating bio-electrochemical synthesis – A case study with <i>Clostridium kluyveri</i> . <i>Bioelectrochemistry</i> , 2017, 118, 114-122.	2.4	21
11	Quantitative analysis of aromatics for synthetic biology using liquid chromatography. <i>Biotechnology Journal</i> , 2017, 12, 1600269.	1.8	13
12	Redox dependent metabolic shift in <i>Clostridium autoethanogenum</i> by extracellular electron supply. <i>Biotechnology for Biofuels</i> , 2016, 9, 249.	6.2	65
13	Nontoxic, Hydrophilic Cationic Polymers – Identified as Class of Antimicrobial Polymers. <i>Macromolecular Bioscience</i> , 2015, 15, 1710-1723.	2.1	56
14	Microbial electron transport and energy conservation – the foundation for optimizing bioelectrochemical systems. <i>Frontiers in Microbiology</i> , 2015, 6, 575.	1.5	482
15	Electrifying White Biotechnology: Engineering and Economic Potential of Electricity-Driven Bio-Production. <i>ChemSusChem</i> , 2015, 8, 758-766.	3.6	81
16	Identifying target processes for microbial electrosynthesis by elementary mode analysis. <i>BMC Bioinformatics</i> , 2014, 15, 410.	1.2	80