Frauke Kracke

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5327236/publications.pdf

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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	Microbial electron transport and energy conservation Ã¢â‚¬â€œ the foundation for optimizing bioelectrochemical systems. Frontiers in Microbiology, 2015, 6, 575.	1.5	482
2	Robust and biocompatible catalysts for efficient hydrogen-driven microbial electrosynthesis. Communications Chemistry, 2019, 2, .	2.0	82
3	Electrifying White Biotechnology: Engineering and Economic Potential of Electricityâ€Driven Bioâ€Production. ChemSusChem, 2015, 8, 758-766.	3.6	81
4	Identifying target processes for microbial electrosynthesis by elementary mode analysis. BMC Bioinformatics, 2014, 15, 410.	1.2	80
5	Balancing cellular redox metabolism in microbial electrosynthesis and electro fermentation â€“ A chance for metabolic engineering. Metabolic Engineering, 2018, 45, 109-120.	3.6	80
6	Redox dependent metabolic shift in Clostridium autoethanogenum by extracellular electron supply. Biotechnology for Biofuels, 2016, 9, 249.	6.2	65
7	Microbial electrosynthesis system with dual biocathode arrangement for simultaneous acetogenesis, solventogenesis and carbon chain elongation. Chemical Communications, 2019, 55, 4351-4354.	2.2	60
8	Nontoxic, Hydrophilic Cationic Polymersâ€"Identified as Class of Antimicrobial Polymers. Macromolecular Bioscience, 2015, 15, 1710-1723.	2.1	56
9	Designing a Znâ€“Ag Catalyst Matrix and Electrolyzer System for CO₂ Conversion to CO and Beyond. Advanced Materials, 2022, 34, e2103963.	11.1	41
10	In situ electrochemical H₂ production for efficient and stable power-to-gas electromethanogenesis. Green Chemistry, 2020, 22, 6194-6203.	4.6	38
11	Efficient Hydrogen Delivery for Microbial Electrosynthesis via 3D-Printed Cathodes. Frontiers in Microbiology, 2021, 12, 696473.	1.5	25
12	Predicting and experimental evaluating bio-electrochemical synthesis â€" A case study with Clostridium kluyveri. Bioelectrochemistry, 2017, 118, 114-122.	2.4	21
13	Quantitative analysis of aromatics for synthetic biology using liquid chromatography. Biotechnology Journal, 2017, 12, 1600269.	1.8	13
14	Metabolic Network Analysis of Microbial Methane Utilization for Biomass Formation and Upgrading to Bio-Fuels. Frontiers in Energy Research, 2018, 6, .	1.2	8
15	Developing reactors for electrifying bio-methanation: a perspective from bio-electrochemistry. Sustainable Energy and Fuels, 2022, 6, 1249-1263.	2.5	3
16	Low-Cost Clamp-On Photometers (ClampOD) and Tube Photometers (TubeOD) for Online Cell Density Determination. Frontiers in Microbiology, 2021, 12, 790576.	1.5	2