Jiajie Xu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4278034/publications.pdf

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26	1,153	686830 13	610482 24
papers	citations	h-index	g-index

29	29	29	1166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microbial electrosynthesis from CO2: Challenges, opportunities and perspectives in the context of circular bioeconomy. Bioresource Technology, 2020, 302, 122863.	4.8	188
2	Study on effect of jellyfish collagen hydrolysate on anti-fatigue and anti-oxidation. Food Hydrocolloids, 2011, 25, 1350-1353.	5.6	166
3	Temperature-Phased Conversion of Acid Whey Waste Into Medium-Chain Carboxylic Acids via Lactic Acid: No External e-Donor. Joule, 2018, 2, 280-295.	11.7	132
4	Production of drop-in fuels from biomass at high selectivity by combined microbial and electrochemical conversion. Energy and Environmental Science, 2017, 10, 2231-2244.	15.6	126
5	In-line and selective phase separation of medium-chain carboxylic acids using membrane electrolysis. Chemical Communications, 2015, 51, 6847-6850.	2.2	117
6	Waste Conversion into n-Caprylate and n-Caproate: Resource Recovery from Wine Lees Using Anaerobic Reactor Microbiomes and In-line Extraction. Frontiers in Microbiology, 2016, 7, 1892.	1.5	108
7	Integrating electrochemical, biological, physical, and thermochemical process units to expand the applicability of anaerobic digestion. Bioresource Technology, 2018, 247, 1085-1094.	4.8	49
8	In vitro and in vivo anti-oxidation and anti-fatigue effect of monkfish liver hydrolysate. Food Bioscience, 2017, 18, 9-14.	2.0	32
9	Efficient solar-to-acetate conversion from CO2 through microbial electrosynthesis coupled with stable photoanode. Applied Energy, 2020, 278, 115684.	5.1	30
10	Resistance assessment of microbial electrosynthesis for biochemical production to changes in delivery methods and CO2 flow rates. Bioresource Technology, 2021, 319, 124177.	4.8	30
11	Bioconversion of swine manure into high-value products of medium chain fatty acids. Waste Management, 2020, 113, 478-487.	3.7	28
12	Direct Medium-Chain Carboxylic Acid Oil Separation from a Bioreactor by an Electrodialysis/Phase Separation Cell. Environmental Science & Technology, 2021, 55, 634-644.	4.6	22
13	Continuous extraction and concentration of secreted metabolites from engineered microbes using membrane technology. Green Chemistry, 2022, 24, 5479-5489.	4.6	18
14	Enrichment of salt-tolerant CO2â€“fixing communities in microbial electrosynthesis systems using porous ceramic hollow tube wrapped with carbon cloth as cathode and for CO2 supply. Science of the Total Environment, 2021, 766, 142668.	3.9	17
15	Analysis of Urine Composition in Type II Diabetic Mice after Intervention Therapy Using Holothurian Polypeptides. Frontiers in Chemistry, 2017, 5, 54.	1.8	13
16	Direct extraction of lipids from wet microalgae slurries by super-high hydrostatic pressure. Algal Research, 2021, 58, 102412.	2.4	13
17	Acetate-to-bioproducts by chain elongation microbiome catalysis under applied voltage regulation. Energy Conversion and Management, 2021, 248, 114804.	4.4	13
18	Near-neutral pH increased n-caprylate production in a microbiome with product inhibition of methanogenesis. Chemical Engineering Journal, 2022, 446, 137170.	6.6	13

#	Article	IF	Citations
19	Characterization of Enterobacter cloacae under phoxim stress by two-dimensional gel electrophoresis. Biotechnology and Bioprocess Engineering, 2015, 20, 403-409.	1.4	10
20	Temperature-Phased Conversion of Acid Whey Waste Into Medium-Chain Carboxylic Acids via Lactic Acid: No External e-Donor. Joule, 2019, 3, 885-888.	11.7	9
21	Long-Term Continuous Extraction of Medium-Chain Carboxylates by Pertraction With Submerged Hollow-Fiber Membranes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 726946.	2.0	7
22	A Comparison of Molecular Biology Mechanism of Shewanella putrefaciens between Fresh and Terrestrial Sewage Wastewater. Frontiers in Bioengineering and Biotechnology, 2016, 4, 86.	2.0	5
23	Selective colonization mechanism of Shewanella putrefaciens in dyeing wastewater outlets. RSC Advances, 2016, 6, 102703-102709.	1.7	4
24	Effects of the Sex Factor on Mouse Iodine Intake: Interactions between the Gut Microbiota Composition and Metabolic Syndromes. ACS Omega, 2021, 6, 28569-28578.	1.6	2
25	Two-Phase Bioconversion of Greek-Yogurt Waste Into Medium-Chain Carboxylic Acid Oil via Lactic Acid Without External Electron Donor Addition. SSRN Electronic Journal, 0, , .	0.4	1
26	Microbiomes and Electroorganic Synthesis â€“ A Fruitful Liaison for the Production of Renewable Chemicals?!. Chemie-Ingenieur-Technik, 2016, 88, 1252-1252.	0.4	0