

Pau Batlle-Vilanova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3969834/publications.pdf>

Version: 2024-02-01

14
papers

1,230
citations

759233

12
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial electrosynthesis of butyrate from carbon dioxide. Chemical Communications, 2015, 51, 3235-3238.	4.1	242
2	Microbial Electrosynthesis of Isobutyric, Butyric, Caproic Acids, and Corresponding Alcohols from Carbon Dioxide. ACS Sustainable Chemistry and Engineering, 2018, 6, 8485-8493.	6.7	174
3	On the Edge of Research and Technological Application: A Critical Review of Electromethanogenesis. International Journal of Molecular Sciences, 2017, 18, 874.	4.1	170
4	Microbial electrosynthesis of butyrate from carbon dioxide: Production and extraction. Bioelectrochemistry, 2017, 117, 57-64.	4.6	159
5	Continuous acetate production through microbial electrosynthesis from CO_2 with microbial mixed culture. Journal of Chemical Technology and Biotechnology, 2016, 91, 921-927.	3.2	128
6	Assessment of biotic and abiotic graphite cathodes for hydrogen production in microbial electrolysis cells. International Journal of Hydrogen Energy, 2014, 39, 1297-1305.	7.1	80
7	Bio-electrorecycling of carbon dioxide into bioplastics. Green Chemistry, 2018, 20, 4058-4066.	9.0	76
8	Deciphering the electron transfer mechanisms for biogas upgrading to biomethane within a mixed culture biocathode. RSC Advances, 2015, 5, 52243-52251.	3.6	75
9	Biogas upgrading, CO ₂ valorisation and economic revaluation of bioelectrochemical systems through anodic chlorine production in the framework of wastewater treatment plants. Science of the Total Environment, 2019, 690, 352-360.	8.0	53
10	Tracking bio-hydrogen-mediated production of commodity chemicals from carbon dioxide and renewable electricity. Bioresource Technology, 2017, 228, 201-209.	9.6	34
11	Microbial Community Pathways for the Production of Volatile Fatty Acids From CO ₂ and Electricity. Frontiers in Energy Research, 2018, 6, .	2.3	16
12	Mixed Culture Biocathodes for Production of Hydrogen, Methane, and Carboxylates. Advances in Biochemical Engineering/Biotechnology, 2017, 167, 203-229.	1.1	12
13	Modelling the simultaneous production and separation of acetic acid from CO ₂ using an anion exchange membrane microbial electrosynthesis system. Journal of Chemical Technology and Biotechnology, 2017, 92, 1211-1217.	3.2	11
14	Approaching Bioelectrochemical Systems to Real Facilities Within the Framework of CO ₂ Valorization and Biogas Upgrading. Advances in Science, Technology and Innovation, 2020, , 3-5.	0.4	0