

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