

# Maria C Cuellar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7302074/publications.pdf>

Version: 2024-02-01

17  
papers

429  
citations

840585

11  
h-index

887953

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial community-based polyhydroxyalkanoates (PHAs) production from wastewater: Techno-economic analysis and ex-ante environmental assessment. <i>Bioresource Technology</i> , 2015, 185, 368-377.	4.8	138
2	Microbial advanced biofuels production: overcoming emulsification challenges for large-scale operation. <i>Trends in Biotechnology</i> , 2014, 32, 221-229.	4.9	54
3	Feasibility study of an alkaline-based chemical treatment for the purification of polyhydroxybutyrate produced by a mixed enriched culture. <i>AMB Express</i> , 2015, 5, 5.	1.4	46
4	Photo-Optical <i>In-Situ</i> Measurement of Drop Size Distributions: Applications in Research and Industry. <i>Oil and Gas Science and Technology</i> , 2017, 72, 14.	1.4	25
5	Breaking oil-in-water emulsions stabilized by yeast. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 568-576.	2.5	24
6	Recent advances in the microbial production and recovery of apolar molecules. <i>Current Opinion in Biotechnology</i> , 2015, 33, 39-45.	3.3	22
7	Fermentation broth components influence droplet coalescence and hinder advanced biofuel recovery during fermentation. <i>Biotechnology Journal</i> , 2015, 10, 1206-1215.	1.8	21
8	Gas bubble induced oil recovery from emulsions stabilised by yeast components. <i>Chemical Engineering Science</i> , 2016, 145, 31-44.	1.9	18
9	Downstream of the bioreactor: advancements in recovering fuels and commodity chemicals. <i>Current Opinion in Biotechnology</i> , 2020, 62, 189-195.	3.3	17
10	Large-scale production of diesel-like biofuels – process design as an inherent part of microorganism development. <i>Biotechnology Journal</i> , 2013, 8, 682-689.	1.8	16
11	Techno-economic assessment of heterotrophic microalgae biodiesel production integrated with a sugarcane bio-refinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 416-429.	1.9	12
12	Model-based evaluation of cell retention by crossflow ultrafiltration during fed-batch fermentations with <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2009, 44, 280-288.	1.8	9
13	Conceptual Evaluation of Integrated Process Configurations for the Recovery of <i>l</i> -Phenylalanine Product Crystals during Fermentation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 682-689.	1.8	8
14	Integration of Gas Enhanced Oil Recovery in Multiphase Fermentations for the Microbial Production of Fuels and Chemicals. <i>Biotechnology Journal</i> , 2018, 13, e1700478.	1.8	7
15	A mechanistic model for oil recovery in a region of high oil droplet concentration from multiphase fermentations. <i>Chemical Engineering Science: X</i> , 2019, 3, 100033.	1.5	6
16	Techno-economic assessment of the use of solvents in the scale-up of microbial sesquiterpene production for fuels and fine chemicals. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 140-152.	1.9	3
17	Microbial Hydrocarbon Formation from Biomass. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2017, 166, 411-425.	0.6	1