

# MarÃ-a T GarcÃ-a-Cubero

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,977  
citations

346980

22  
h-index

312153

41  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus recovery from organic waste for its agronomic valorization: technical and economic evaluation. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 167-178.	1.6	3
2	Liquid fertilizer production from organic waste by conventional and microwave-assisted extraction technologies: Techno-economic and environmental assessment. <i>Science of the Total Environment</i> , 2022, 806, 150904.	3.9	13
3	Bioprocess intensification for acetone-butanol-ethanol fermentation from brewer's spent grain: Fed-batch strategies coupled with in-situ gas stripping. <i>Biomass and Bioenergy</i> , 2022, 156, 106327.	2.9	11
4	Green biorefinery for sugar beet pulp valorisation: Microwave hydrothermal processing for pectooligosaccharides recovery and biobutanol production. <i>Industrial Crops and Products</i> , 2022, 184, 115060.	2.5	13
5	Efficient biobutanol production by acetone-butanol-ethanol fermentation from spent coffee grounds with microwave assisted dilute sulfuric acid pretreatment. <i>Bioresource Technology</i> , 2021, 320, 124348.	4.8	28
6	Microwave-assisted deep eutectic solvent extraction of phenolic compounds from brewer's spent grain. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 481-490.	1.6	29
7	A biorefinery approach for the valorization of spent coffee grounds to produce antioxidant compounds and biobutanol. <i>Biomass and Bioenergy</i> , 2021, 147, 106026.	2.9	28
8	Exploring the use of high solid loadings in enzymatic hydrolysis to improve biobutanol production from brewers' spent grains. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 2607-2618.	0.9	2
9	Ideal conditions of microwave-assisted acid pretreatment of sugarcane straw allow fermentative butyric acid production without detoxification step. <i>Bioresource Technology</i> , 2021, 329, 124929.	4.8	18
10	Acetic acid as catalyst for microwave-assisted pretreatment of sugarcane straw aids highly specific butyric acid bioproduction. <i>Industrial Crops and Products</i> , 2020, 157, 112936.	2.5	12
11	Bioprocess intensification for isopropanol, butanol and ethanol (IBE) production by fermentation from sugarcane and sweet sorghum juices through a gas stripping-pervaporation recovery process. <i>Fuel</i> , 2020, 281, 118593.	3.4	30
12	A biorefinery based on brewer's spent grains: Arabinoxylans recovery by microwave assisted pretreatment integrated with butanol production. <i>Industrial Crops and Products</i> , 2020, 158, 113044.	2.5	19
13	Recovery of organic carbon from municipal mixed waste compost for the production of fertilizers. <i>Journal of Cleaner Production</i> , 2020, 265, 121805.	4.6	23
14	Integral valorization of cellulosic and hemicellulosic sugars for biobutanol production: ABE fermentation of the whole slurry from microwave pretreated brewer's spent grain. <i>Biomass and Bioenergy</i> , 2020, 135, 105524.	2.9	23
15	Efficient use of brewer's spent grain hydrolysates in ABE fermentation by <i>Clostridium beijerinckii</i> . Effect of high solid loads in the enzymatic hydrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2393-2402.	1.6	13
16	Comparison of mild alkaline and oxidative pretreatment methods for biobutanol production from brewer's spent grains. <i>Industrial Crops and Products</i> , 2019, 130, 409-419.	2.5	47
17	Microwave assisted hydrothermal as greener pretreatment of brewer's spent grains for biobutanol production. <i>Chemical Engineering Journal</i> , 2019, 368, 1045-1055.	6.6	83
18	Synergistic positive effect of organic acids on the inhibitory effect of phenolic compounds on Acetone-Butanol-Ethanol (ABE) production. <i>Food and Bioprocess Processing</i> , 2018, 108, 117-125.	1.8	14

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19	Continuous bioproduction of 1,3-propanediol from biodiesel raw glycerol: Operation with free and immobilized cells of <i>Clostridium butyricum</i> DSM 10702. Canadian Journal of Chemical Engineering, 2017, 95, 819-826.	0.9	9
20	Biobutanol production from brewer's spent grain hydrolysates by <i>Clostridium beijerinckii</i> . Bioresource Technology, 2017, 244, 166-174.	4.8	72
21	Valorization of crude glycerol from the biodiesel industry to 1,3-propanediol by <i>Clostridium butyricum</i> DSM 10702: Influence of pretreatment with ion exchange resins. Canadian Journal of Chemical Engineering, 2016, 94, 1242-1248.	0.9	13
22	Efficient acetone-butanol-ethanol production by <i>Clostridium beijerinckii</i> from sugar beet pulp. Bioresource Technology, 2015, 190, 332-338.	4.8	61
23	Protein production in <i>Spirulina platensis</i> biomass using beet vinasse-supplemented culture media. Food and Bioproducts Processing, 2015, 94, 306-312.	1.8	52
24	Acetone-butanol-ethanol (ABE) production by <i>Clostridium beijerinckii</i> from wheat straw hydrolysates: Efficient use of penta and hexa carbohydrates. Bioresource Technology, 2014, 167, 198-205.	4.8	76
25	Optimization of the enzymatic hydrolysis conditions of steam-exploded wheat straw for maximum glucose and xylose recovery. Journal of Chemical Technology and Biotechnology, 2013, 88, 237-246.	1.6	31
26	Influence of aeration on bioethanol production from ozonized wheat straw hydrolysates using <i>Pichia stipitis</i> . Bioresource Technology, 2013, 133, 51-58.	4.8	37
27	An analysis of lignin removal in a fixed bed reactor by reaction of cereal straws with ozone. Bioresource Technology, 2012, 107, 229-234.	4.8	55
28	Effect of inhibitors formed during wheat straw pretreatment on ethanol fermentation by <i>Pichia stipitis</i> . Bioresource Technology, 2011, 102, 10868-10874.	4.8	168
29	Use of weak cation exchange resin Lewatit S 8528 as alternative to strong ion exchange resins for calcium salt removal. Journal of Food Engineering, 2010, 97, 569-573.	2.7	19
30	Production of biomass by <i>Spirulina maxima</i> using sugar beet vinasse in growth media. New Biotechnology, 2010, 27, 851-856.	2.4	45
31	Production of 1,3 Propanediol from Glycerol by <i>C. Butyricum</i> DSM 10702. Journal of Biotechnology, 2010, 150, 376-376.	1.9	0
32	Glycerol hydrogenolysis to 1, 2 propanediol over Ru/C catalyst. Catalysis Communications, 2010, 12, 122-126.	1.6	34
33	Effect of ozonolysis pretreatment on enzymatic digestibility of wheat and rye straw. Bioresource Technology, 2009, 100, 1608-1613.	4.8	265
34	Evolution of colorants in sugarbeet juices during decolorization using styrenic resins. Journal of Food Engineering, 2008, 89, 429-434.	2.7	38
35	Teaching and learning strategies and evaluation changes for the adaptation of the Chemical Engineering degree to EHS. Education for Chemical Engineers, 2008, 3, e33-e39.	2.8	8
36	Biological decolourisation of wastewater from molasses fermentation by <i>Trametes versicolor</i> in an airlift reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 772-778.	0.9	2

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37	Study of coloured components formed in sugar beet processing. Food Chemistry, 2004, 86, 421-433.	4.2	119
38	Chemical oxidation of wastewater from molasses fermentation with ozone. Chemosphere, 2003, 51, 893-900.	4.2	148
39	Removal of coloured compounds from sugar solutions by adsorption onto anionic resins: equilibrium and kinetic study. Separation and Purification Technology, 2002, 29, 199-205.	3.9	20
40	Biodegradation of phenol in a continuous process: comparative study of stirred tank and fluidized-bed bioreactors. Bioresource Technology, 2001, 76, 245-251.	4.8	112
41	Biodegradation of phenolic industrial wastewater in a fluidized bed bioreactor with immobilized cells of <i>Pseudomonas putida</i> . Bioresource Technology, 2001, 80, 137-142.	4.8	179