

Jonathan Moncada

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,316
citations

430874

18
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Design strategies for sustainable biorefineries. <i>Biochemical Engineering Journal</i> , 2016, 116, 122-134.	3.6	205
2	Techno-economic analysis of bioethanol production from lignocellulosic residues in Colombia: A process simulation approach. <i>Bioresource Technology</i> , 2013, 139, 300-307.	9.6	153
3	Integrating first, second, and third generation biorefineries: Incorporating microalgae into the sugarcane biorefinery. <i>Chemical Engineering Science</i> , 2014, 118, 126-140.	3.8	143
4	Techno-economic analysis for a sugarcane biorefinery: Colombian case. <i>Bioresource Technology</i> , 2013, 135, 533-543.	9.6	130
5	Techno-economic analysis for brewer's spent grains use on a biorefinery concept: The Brazilian case. <i>Bioresource Technology</i> , 2013, 148, 302-310.	9.6	100
6	Techno-economic and environmental assessment of essential oil extraction from Oregano (<i>Origanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 172-181.	9.3	59
7	Selection of Process Pathways for Biorefinery Design Using Optimization Tools: A Colombian Case for Conversion of Sugarcane Bagasse to Ethanol, Poly-3-hydroxybutyrate (PHB), and Energy. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4132-4145.	3.7	52
8	Design and analysis of a second and third generation biorefinery: The case of castorbean and microalgae. <i>Bioresource Technology</i> , 2015, 198, 836-843.	9.6	52
9	Techno-Economic and Environmental Analysis of Ethanol Production from 10 Agroindustrial Residues in Colombia. <i>Energy & Fuels</i> , 2015, 29, 775-783.	5.1	46
10	Wood residue (<i>Pinus patula</i> bark) as an alternative feedstock for producing ethanol and furfural in Colombia: experimental, techno-economic and environmental assessments. <i>Chemical Engineering Science</i> , 2016, 140, 309-318.	3.8	45
11	Techno-economic and energetic assessment of hydrogen production through gasification in the Colombian context: Coffee Cut-Stems case. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5849-5864.	7.1	42
12	Evolution from biofuels to integrated biorefineries: techno-economic and environmental assessment of oil palm in Colombia. <i>Journal of Cleaner Production</i> , 2014, 81, 51-59.	9.3	41
13	Techno-economic and environmental assessment of essential oil extraction from Citronella (<i>Cymbopogon winteriana</i>) and Lemongrass (<i>Cymbopogon citratus</i>): A Colombian case to evaluate different extraction technologies. <i>Industrial Crops and Products</i> , 2014, 54, 175-184.	5.2	39
14	Techno-Economic Analysis of the Use of Fired Cogeneration Systems Based on Sugar Cane Bagasse in South Eastern and Mid-Western Regions of Mexico. <i>Waste and Biomass Valorization</i> , 2014, 5, 189-198.	3.4	32
15	Techno-economic and ex-ante environmental assessment of C6 sugars production from spruce and corn. Comparison of organosolv and wet milling technologies. <i>Journal of Cleaner Production</i> , 2018, 170, 610-624.	9.3	31
16	Analysis of potential technological schemes for the development of oil palm industry in Colombia: A biorefinery point of view. <i>Industrial Crops and Products</i> , 2014, 52, 457-465.	5.2	24
17	Techno-economic analysis of bioethanol production in Africa: Tanzania case. <i>Energy</i> , 2012, 48, 442-454.	8.8	22
18	Production of Bioethanol Using <i>Chlorella vulgaris</i> Cake: A Technoeconomic and Environmental Assessment in the Colombian Context. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16786-16794.	3.7	22

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19	Early sustainability assessment for potential configurations of integrated biorefineries. Screening of bio-based derivatives from platform chemicals. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 722-748.	3.7	19
20	Comparative early stage assessment of multiproduct biorefinery systems: An application to the isobutanol platform. <i>Bioresource Technology</i> , 2017, 241, 44-53.	9.6	15
21	Production of 1,3-butadiene and γ -caprolactam from C6 sugars: Techno-economic analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 600-623.	3.7	12
22	Potential of the amazonian exotic fruit for biorefineries: The <i>Theobroma bicolor</i> (Makambo) case. <i>Industrial Crops and Products</i> , 2016, 86, 58-67.	5.2	9
23	Análisis y caracterización de materiales amiláceos y celulósicos después de modificación enzimática. <i>DYNA (Colombia)</i> , 2016, 83, 44.	0.4	8
24	Development of a Conceptual Framework for Evaluating the Flexibility of Future Chemical Processes. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 3219-3232.	3.7	8
25	Solubility of some phenolic acids contained in citrus seeds in supercritical carbon dioxide: Comparison of mixing rules, influence of multicomponent mixture and model validation. <i>Theoretical Foundations of Chemical Engineering</i> , 2013, 47, 381-387.	0.7	6