Jonathan Moncada

List of Publications by Year in descending order

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	Development of a Conceptual Framework for Evaluating the Flexibility of Future Chemical Processes. Industrial & Engineering Chemistry Research, 2022, 61, 3219-3232.	3.7	8
2	Techno-economic and ex-ante environmental assessment of C6 sugars production from spruce and corn. Comparison of organosolv and wet milling technologies. Journal of Cleaner Production, 2018, 170, 610-624.	9.3	31
3	Production of 1,3â€butadiene and Îµâ€caprolactam from C6 sugars: Technoâ€economic analysis. Biofuels, Bioproducts and Biorefining, 2018, 12, 600-623.	3.7	12
4	Techno-economic and energetic assessment of hydrogen production through gasification in the Colombian context: Coffee Cut-Stems case. International Journal of Hydrogen Energy, 2017, 42, 5849-5864.	7.1	42
5	Comparative early stage assessment of multiproduct biorefinery systems: An application to the isobutanol platform. Bioresource Technology, 2017, 241, 44-53.	9.6	15
6	AnÃ¡lisis y caracterizaciÃ³n de materiales amilÃ¡ceos y celulÃ³sicos despuÃ©s de modificaciÃ³n enzimÃ¡tica. DYNA (Colombia), 2016, 83, 44.	0.4	8
7	Potential of the amazonian exotic fruit for biorefineries: The Theobroma bicolor (Makambo) case. Industrial Crops and Products, 2016, 86, 58-67.	5.2	9
8	Design strategies for sustainable biorefineries. Biochemical Engineering Journal, 2016, 116, 122-134.	3.6	205
9	Wood residue (Pinus patula bark) as an alternative feedstock for producing ethanol and furfural in Colombia: experimental, techno-economic and environmental assessments. Chemical Engineering Science, 2016, 140, 309-318.	3.8	45
10	Techno-economic and environmental assessment of essential oil extraction from Oregano (Origanum) Tj ETQq0 0 0 rgBT /Overlock 10 T 172-181.	9.3	59
11	Early sustainability assessment for potential configurations of integrated biorefineries. Screening of bioâ€based derivatives from platform chemicals. Biofuels, Bioproducts and Biorefining, 2015, 9, 722-748.	3.7	19
12	Techno-Economic and Environmental Analysis of Ethanol Production from 10 Agroindustrial Residues in Colombia. Energy & Fuels, 2015, 29, 775-783.	5.1	46
13	Design and analysis of a second and third generation biorefinery: The case of castorbean and microalgae. Bioresource Technology, 2015, 198, 836-843.	9.6	52
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. Waste and Biomass Valorization, 2014, 5, 189-198.	3.4	32
15	Techno-economic and environmental assessment of essential oil extraction from Citronella (Cymbopogon winteriana) and Lemongrass (Cymbopogon citrus): A Colombian case to evaluate different extraction technologies. Industrial Crops and Products, 2014, 54, 175-184.	5.2	39
16	Analysis of potential technological schemes for the development of oil palm industry in Colombia: A biorefinery point of view. Industrial Crops and Products, 2014, 52, 457-465.	5.2	24
17	Integrating first, second, and third generation biorefineries: Incorporating microalgae into the sugarcane biorefinery. Chemical Engineering Science, 2014, 118, 126-140.	3.8	143
18	Evolution from biofuels to integrated biorefineries: techno-economic and environmental assessment of oil palm in Colombia. Journal of Cleaner Production, 2014, 81, 51-59.	9.3	41

#	Article	IF	Citations
19	Techno-economic analysis for brewerâ€™s spent grains use on a biorefinery concept: The Brazilian case. Bioresource Technology, 2013, 148, 302-310.	9.6	100
20	Solubility of some phenolic acids contained in citrus seeds in supercritical carbon dioxide: Comparison of mixing rules, influence of multicomponent mixture and model validation. Theoretical Foundations of Chemical Engineering, 2013, 47, 381-387.	0.7	6
21	Production of Bioethanol UsingChlorella vulgarisCake: A Technoeconomic and Environmental Assessment in the Colombian Context. Industrial & Engineering Chemistry Research, 2013, 52, 16786-16794.	3.7	22
22	Techno-economic analysis for a sugarcane biorefinery: Colombian case. Bioresource Technology, 2013, 135, 533-543.	9.6	130
23	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. Industrial & Engineering Chemistry Research, 2013, 52, 4132-4145.	3.7	52
24	Techno-economic analysis of bioethanol production from lignocellulosic residues in Colombia: A process simulation approach. Bioresource Technology, 2013, 139, 300-307.	9.6	153
25	Techno-economic analysis of bioethanol production in Africa: Tanzania case. Energy, 2012, 48, 442-454.	8.8	22