Juan Camilo Solarte Toro

List of Publications by Year
in descending order

26 papers	966 citations	623699 14 h-index	610883 24 g-index
26 all docs	26 docs citations	26 times ranked	1103 citing authors

#	Article	IF	Citations
1	Environmental life cycle assessment (E-LCA) and social impact assessment (SIA) of small-scale biorefineries implemented in rural zones: the avocado (Persea Americana var. Americana) case in Colombia. Environmental Science and Pollution Research, 2023, 30, 8790-8808.	5.3	10
2	A Biorefinery Approach for an Integral Valorisation of Avocado Peel and Seeds Through Supercritical Fluids. Waste and Biomass Valorization, 2022, 13, 3973-3988.	3.4	11
3	Review of the impact of socio-economic conditions on the development and implementation of biorefineries. Fuel, 2022, 328, 125169.	6.4	8
4	Study of biorefineries based on experimental data: production of bioethanol, biogas, syngas, and electricity using coffee-cut stems as raw material. Environmental Science and Pollution Research, 2021, 28, 24590-24604.	5.3	19
5	Integral use of orange peel waste through the biorefinery concept: an experimental, technical, energy, and economic assessment. Biomass Conversion and Biorefinery, 2021, 11, 645-659.	4.6	54
6	Thermochemical processing of woody biomass: A review focused on energy-driven applications and catalytic upgrading. Renewable and Sustainable Energy Reviews, 2021, 136, 110376.	16.4	57
7	Cocaine degradation using a rotating biological disc reactor: Techno-economic and environmental analysis using experimental data. Journal of Hazardous Materials, 2021, 404, 124219.	12.4	0
8	The potential use of lignin as a platform product in biorefineries: A review. Renewable and Sustainable Energy Reviews, 2021, 138, 110688.	16.4	120
9	Alternatives for cocaine disposal: An experimental, techno-economic, and environmental comparison between incineration and biological degradation. Journal of Cleaner Production, 2021, 296, 126462.	9.3	3
10	A comprehensive review on the economic assessment of biorefineries: The first step towards sustainable biomass conversion. Bioresource Technology Reports, 2021, 15, 100776.	2.7	11
11	Biorefineries as the base for accomplishing the sustainable development goals (SDGs) and the transition to bioeconomy: Technical aspects, challenges and perspectives. Bioresource Technology, 2021, 340, 125626.	9.6	57
12	Influence of products portfolio and process contextualization on the economic performance of small- and large-scale avocado biorefineries. Bioresource Technology, 2021, 342, 126060.	9.6	13
13	Fermentative Production of Ethanol Using Pinus patula as Raw Material: Economic and Energy Assessment. Waste and Biomass Valorization, 2020, 11, 1777-1788.	3.4	3
14	Techno-Economic and Environmental Analysis of Biogas Production from Plantain Pseudostem Waste in Colombia. Waste and Biomass Valorization, 2020, 11, 3161-3171.	3.4	17
15	Economic and social aspects of biorefineries. , 2020, , 199-231.		2
16	Economic and social assessment of biorefineries: The case of Coffee Cut-Stems (CCS) in Colombia. Bioresource Technology Reports, 2020, 9, 100397.	2.7	22
17	Pre-feasibility analysis of the production of mucic acid from orange peel waste under the biorefinery concept. Biochemical Engineering Journal, 2020, 161, 107680.	3.6	33
18	Effect of dilute sulfuric acid pretreatment on the physicochemical properties and enzymatic hydrolysis of coffee cut-stems. Energy, 2020, 195, 116986.	8.8	16

#	Article	IF	Citations
19	Performance evaluation and economic analysis of the bioethanol and flour production using rejected unripe plantain fruits (Musa paradisiaca L.) as raw material. Food and Bioproducts Processing, 2020, 121, 29-42.	3.6	36
20	Supply chain and environmental assessment of the essential oil production using Calendula (Calendula Officinalis) as raw material. Heliyon, 2020, 6, e05606.	3.2	2
21	Acid pretreatment of lignocellulosic biomass for energy vectors production: A review focused on operational conditions and techno-economic assessment for bioethanol production. Renewable and Sustainable Energy Reviews, 2019, 107, 587-601.	16.4	227
22	Evaluation of biogas and syngas as energy vectors for heat and power generation using lignocellulosic biomass as raw material. Electronic Journal of Biotechnology, 2018, 33, 52-62.	2.2	121
23	Fermentation, thermochemical and catalytic processes in the transformation of biomass through efficient biorefineries. Catalysis Today, 2018, 302, 61-72.	4.4	58
24	Techno-economic feasibility of bioethanol production via biorefinery of olive tree prunings (OTP): optimization of the pretreatment stage. Holzforschung, 2018, 73, 3-13.	1.9	24
25	EvaluaciÃ³n de la digestiÃ³n y co-digestiÃ³n anaerobia de residuos de comida y de poda en bioreactores a escala laboratorio. Revista Ion, 2017, 30, 105-116.	0.2	6
26	Agricultural Waste Management Through Energy Producing Biorefineries: The Colombian Case. Waste and Biomass Valorization, 2016, 7, 789-798.	3.4	36