

Juan Camilo Solarte Toro

List of Publications by Year in descending order

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Version: 2024-02-01

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	Acid pretreatment of lignocellulosic biomass for energy vectors production: A review focused on operational conditions and techno-economic assessment for bioethanol production. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 107, 587-601.	16.4	227
2	Evaluation of biogas and syngas as energy vectors for heat and power generation using lignocellulosic biomass as raw material. <i>Electronic Journal of Biotechnology</i> , 2018, 33, 52-62.	2.2	121
3	The potential use of lignin as a platform product in biorefineries: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110688.	16.4	120
4	Fermentation, thermochemical and catalytic processes in the transformation of biomass through efficient biorefineries. <i>Catalysis Today</i> , 2018, 302, 61-72.	4.4	58
5	Thermochemical processing of woody biomass: A review focused on energy-driven applications and catalytic upgrading. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 136, 110376.	16.4	57
6	Biorefineries as the base for accomplishing the sustainable development goals (SDGs) and the transition to bioeconomy: Technical aspects, challenges and perspectives. <i>Bioresource Technology</i> , 2021, 340, 125626.	9.6	57
7	Integral use of orange peel waste through the biorefinery concept: an experimental, technical, energy, and economic assessment. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 645-659.	4.6	54
8	Agricultural Waste Management Through Energy Producing Biorefineries: The Colombian Case. <i>Waste and Biomass Valorization</i> , 2016, 7, 789-798.	3.4	36
9	Performance evaluation and economic analysis of the bioethanol and flour production using rejected unripe plantain fruits (<i>Musa paradisiaca</i> L.) as raw material. <i>Food and Bioproducts Processing</i> , 2020, 121, 29-42.	3.6	36
10	Pre-feasibility analysis of the production of mucic acid from orange peel waste under the biorefinery concept. <i>Biochemical Engineering Journal</i> , 2020, 161, 107680.	3.6	33
11	Techno-economic feasibility of bioethanol production via biorefinery of olive tree prunings (OTP): optimization of the pretreatment stage. <i>Holzforschung</i> , 2018, 73, 3-13.	1.9	24
12	Economic and social assessment of biorefineries: The case of Coffee Cut-Stems (CCS) in Colombia. <i>Bioresource Technology Reports</i> , 2020, 9, 100397.	2.7	22
13	Study of biorefineries based on experimental data: production of bioethanol, biogas, syngas, and electricity using coffee-cut stems as raw material. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24590-24604.	5.3	19
14	Techno-Economic and Environmental Analysis of Biogas Production from Plantain Pseudostem Waste in Colombia. <i>Waste and Biomass Valorization</i> , 2020, 11, 3161-3171.	3.4	17
15	Effect of dilute sulfuric acid pretreatment on the physicochemical properties and enzymatic hydrolysis of coffee cut-stems. <i>Energy</i> , 2020, 195, 116986.	8.8	16
16	Influence of products portfolio and process contextualization on the economic performance of small- and large-scale avocado biorefineries. <i>Bioresource Technology</i> , 2021, 342, 126060.	9.6	13
17	A comprehensive review on the economic assessment of biorefineries: The first step towards sustainable biomass conversion. <i>Bioresource Technology Reports</i> , 2021, 15, 100776.	2.7	11
18	A Biorefinery Approach for an Integral Valorisation of Avocado Peel and Seeds Through Supercritical Fluids. <i>Waste and Biomass Valorization</i> , 2022, 13, 3973-3988.	3.4	11

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19	Environmental life cycle assessment (E-LCA) and social impact assessment (SIA) of small-scale biorefineries implemented in rural zones: the avocado (<i>Persea Americana</i> var. <i>Americana</i>) case in Colombia. <i>Environmental Science and Pollution Research</i> , 2023, 30, 8790-8808.	5.3	10
20	Review of the impact of socio-economic conditions on the development and implementation of biorefineries. <i>Fuel</i> , 2022, 328, 125169.	6.4	8
21	Evaluación de la digestión y co-digestión anaerobia de residuos de comida y de poda en bioreactores a escala laboratorio. <i>Revista Ion</i> , 2017, 30, 105-116.	0.2	6
22	Fermentative Production of Ethanol Using <i>Pinus patula</i> as Raw Material: Economic and Energy Assessment. <i>Waste and Biomass Valorization</i> , 2020, 11, 1777-1788.	3.4	3
23	Alternatives for cocaine disposal: An experimental, techno-economic, and environmental comparison between incineration and biological degradation. <i>Journal of Cleaner Production</i> , 2021, 296, 126462.	9.3	3
24	Economic and social aspects of biorefineries. , 2020, , 199-231.		2
25	Supply chain and environmental assessment of the essential oil production using <i>Calendula</i> (<i>Calendula Officinalis</i>) as raw material. <i>Heliyon</i> , 2020, 6, e05606.	3.2	2
26	Cocaine degradation using a rotating biological disc reactor: Techno-economic and environmental analysis using experimental data. <i>Journal of Hazardous Materials</i> , 2021, 404, 124219.	12.4	0