

Oscar J SÃ¡nchez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,357
citations

758635

12
h-index

552369

26
g-index

30
all docs

30
docs citations

30
times ranked

3848
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a biorefinery processing waste from plantain agro-industry: process development for the production of an isomalto oligosaccharide syrup from rejected unripe plantain fruits. <i>Food and Bioproducts Processing</i> , 2022, 133, 100-118.	1.8	11
2	Towards a biorefinery processing waste from plantain agro-industry: Assessment of the production of dairy cattle feed through process simulation. <i>Biosystems Engineering</i> , 2022, 217, 131-149.	1.9	5
3	Valorisation of rejected unripe plantain fruits of <i>Musa</i> AAB Simmonds: from nutritional characterisation to the conceptual process design for prebiotic production. <i>Food and Function</i> , 2021, 12, 3009-3021.	2.1	11
4	Production of Lignocellulolytic Enzymes and Biomass of <i>Trametes versicolor</i> from Agro-Industrial Residues in a Novel Fixed-Bed Bioreactor with Natural Convection and Forced Aeration at Pilot Scale. <i>Processes</i> , 2021, 9, 397.	1.3	13
5	Plant growth promotion by <i>Gluconacetobacter diazotrophicus</i> and its interaction with genotype and phosphorus availability in tomato seedlings. <i>Organic Agriculture</i> , 2021, 11, 601-614.	1.2	1
6	An Improved Robust Adaptive Controller for a Fed-Batch Bioreactor with Input Saturation and Unknown Varying Control Gain via Dead-Zone Quadratic Forms. <i>Computation</i> , 2021, 9, 100.	1.0	5
7	Evaluation of the Physical-Chemical and Microbiological Characteristics of the Phospho-Compost Produced Under Forced Aeration System at the Industrial Scale. <i>Waste and Biomass Valorization</i> , 2020, 11, 5977-5990.	1.8	1
8	Techno-economic and Environmental Evaluation of Cheesemaking Waste Valorization Through Process Simulation Using SuperPro Designer. <i>Waste and Biomass Valorization</i> , 2020, 11, 6025-6045.	1.8	16
9	Assessment of Polysaccharide and Biomass Production from Three White-Rot Fungi by Solid-State Fermentation Using Wood and Agro-Industrial Residues: A Kinetic Approach. <i>Forests</i> , 2020, 11, 1055.	0.9	10
10	Evaluation of the Growth Kinetics of <i>Lactobacillus Plantarum</i> ATCC 8014 on a Medium Based on Hydrolyzed Bovine Blood Plasma at Laboratory and Bench-Scale Levels and Its Application as a Starter Culture in a Meat Product. <i>Fermentation</i> , 2020, 6, 45.	1.4	4
11	Diseño eficiente de medios para la producción de lacasa, manganoso peroxidasa y endoxilanas de <i>Trametes versicolor</i> cultivado sobre residuos agroindustriales, mediante modelamiento matemático. <i>Investigación E Innovación En Ingeniería</i> , 2020, 8, 106-136.	0.2	1
12	Cinética de crecimiento de <i>Gluconacetobacter diazotrophicus</i> ; usando melaza de caña y sacarosa: evaluación de modelos. <i>Acta Biologica Colombiana</i> , 2019, 24, 38-57.	0.1	7
13	Review of <i>Lactobacillus</i> in the food industry and their culture media. <i>Revista Colombiana De Biotecnología</i> , 2019, 21, 63-76.	0.5	15
14	Residuos urbanos, agrícolas y pecuarios en el contexto de las biorrefinerías. <i>Revista Facultad De Ingeniería</i> , 2019, 28, 7-32.	0.0	8
15	Compost supplementation with nutrients and microorganisms in composting process. <i>Waste Management</i> , 2017, 69, 136-153.	3.7	239
16	Evaluation of plant-growth promoting properties of <i>Gluconacetobacter diazotrophicus</i> and <i>Gluconacetobacter sacchari</i> isolated from sugarcane and tomato in West Central region of Colombia. <i>African Journal of Biotechnology</i> , 2017, 16, 1619-1629.	0.3	13
17	Production of lignocellulolytic enzymes from three white-rot fungi by solid-state fermentation and mathematical modeling. <i>African Journal of Biotechnology</i> , 2015, 14, 1304-1317.	0.3	26
18	Polysaccharide Production by Submerged Fermentation. , 2015, , 451-473.		10

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19	Polysaccharide Production by Submerged Fermentation. , 2014, , 1-19.		1
20	Analysis and Design of Extractive Fermentation Processes Using a Novel Short-Cut Method. Industrial & Engineering Chemistry Research, 2013, 52, 12915-12926.	1.8	11
21	Production of Bioethanol from Biomass: An Overview. , 2013, , 397-441.		14
22	Polysaccharide Production by Submerged and Solid-State Cultures from Several Medicinal Higher Basidiomycetes. International Journal of Medicinal Mushrooms, 2013, 15, 71-79.	0.9	17
23	Techno-economic analysis of bioethanol production in Africa: Tanzania case. Energy, 2012, 48, 442-454.	4.5	22
24	Conceptual design of cost-effective and environmentally-friendly configurations for fuel ethanol production from sugarcane by knowledge-based process synthesis. Bioresource Technology, 2012, 104, 305-314.	4.8	48
25	Process integration possibilities for biodiesel production from palm oil using ethanol obtained from lignocellulosic residues of oil palm industry. Bioresource Technology, 2009, 100, 1227-1237.	4.8	109
26	Fuel ethanol production from sugarcane and corn: Comparative analysis for a Colombian case. Energy, 2008, 33, 385-399.	4.5	262
27	Trends in biotechnological production of fuel ethanol from different feedstocks. Bioresource Technology, 2008, 99, 5270-5295.	4.8	1,450
28	Fuel ethanol production: Process design trends and integration opportunities. Bioresource Technology, 2007, 98, 2415-2457.	4.8	818
29	Energy consumption analysis of integrated flowsheets for production of fuel ethanol from lignocellulosic biomass. Energy, 2006, 31, 2447-2459.	4.5	205
30	Towards Valorization of Bovine Blood Plasma: Optimal Design of a Culture Medium Based on Bovine Blood Plasma with Enzymatically Hydrolyzed Proteins for the Growth of a Probiotic Bacterium by Submerged Fermentation. Waste and Biomass Valorization, 0, , 1.	1.8	4