

Sanjay Nagarajan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8463506/publications.pdf>

Version: 2024-02-01

20
papers

770
citations

516561

16
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Level fermentative production of Lactic acid from bread waste under Non-sterile conditions with a circular biorefining approach and zero waste discharge. <i>Fuel</i> , 2022, 313, 122976.	3.4	17
2	Process optimization for recycling of bread waste into bioethanol and biomethane: A circular economy approach. <i>Energy Conversion and Management</i> , 2022, 266, 115784.	4.4	26
3	Intensification of Acidogenic Fermentation for the Production of Biohydrogen and Volatile Fatty Acids—A Perspective. <i>Fermentation</i> , 2022, 8, 325.	1.4	17
4	Quantification of hydroxyl radicals in photocatalysis and acoustic cavitation: Utility of coumarin as a chemical probe. <i>Chemical Engineering Journal</i> , 2021, 420, 127560.	6.6	32
5	Scale-up of vortex based hydrodynamic cavitation devices: A case of degradation of di-chloro aniline in water. <i>Ultrasonics Sonochemistry</i> , 2021, 70, 105295.	3.8	36
6	Sugarcane bagasse based biorefineries in India: potential and challenges. <i>Sustainable Energy and Fuels</i> , 2021, 5, 52-78.	2.5	62
7	Cellulose Photocatalysis for Renewable Energy Production. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-34.	0.3	1
8	ANN based modelling of hydrodynamic cavitation processes: Biomass pre-treatment and wastewater treatment. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105428.	3.8	40
9	A simplified model for simulating anaerobic digesters: Application to valorisation of bagasse and distillery spent wash. <i>Bioresource Technology</i> , 2021, 337, 125395.	4.8	4
10	Valorizing Waste Biomass via Hydrodynamic Cavitation and Anaerobic Digestion. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 16577-16598.	1.8	18
11	Pre-treatment of distillery spent wash (vinasse) with vortex based cavitation and its influence on biogas generation. <i>Bioresource Technology Reports</i> , 2020, 11, 100480.	1.5	26
12	Pretreatment of Lignocellulosic Biomass Using Vortex-Based Devices for Cavitation: Influence on Biomethane Potential. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15975-15988.	1.8	34
13	Using cellulose polymorphs for enhanced hydrogen production from photocatalytic reforming. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1971-1975.	2.5	20
14	Treatment of Solvent-Contaminated Water Using Vortex-Based Cavitation: Influence of Operating Pressure Drop, Temperature, Aeration, and Reactor Scale. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9292-9304.	1.8	44
15	Cellulose II as bioethanol feedstock and its advantages over native cellulose. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 182-192.	8.2	72
16	Mixing regime simulation and cellulose particle tracing in a stacked frame photocatalytic reactor. <i>Chemical Engineering Journal</i> , 2017, 313, 301-308.	6.6	8
17	Comparative assessment of visible light and UV active photocatalysts by hydroxyl radical quantification. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 334, 13-19.	2.0	76
18	Spatial Variations of the Methanogenic Communities in the Sediments of Tropical Mangroves. <i>PLoS ONE</i> , 2016, 11, e0161065.	1.1	19

#	ARTICLE	IF	CITATIONS
19	Anthropogenic impact on diazotrophic diversity in the mangrove rhizosphere revealed by nifH pyrosequencing. <i>Frontiers in Microbiology</i> , 2015, 6, 1172.	1.5	39
20	An updated comprehensive techno-economic analysis of algae biodiesel. <i>Bioresource Technology</i> , 2013, 145, 150-156.	4.8	179