

Balasubramanian Bharathiraja

List of Publications by Year
in descending order

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Version: 2024-02-01

44
papers

1,710
citations

331670

21
h-index

330143

37
g-index

46
all docs

46
docs citations

46
times ranked

2249
citing authors

#	ARTICLE	IF	CITATIONS
1	Biohydrogen and Biogas “ An overview on feedstocks and enhancement process. Fuel, 2016, 185, 810-828.	6.4	193
2	Aquatic biomass (algae) as a future feed stock for bio-refineries: A review on cultivation, processing and products. Renewable and Sustainable Energy Reviews, 2015, 47, 634-653.	16.4	177
3	Biobutanol “ An impending biofuel for future: A review on upstream and downstream processing techniques. Renewable and Sustainable Energy Reviews, 2017, 68, 788-807.	16.4	173
4	Biodiesel production using chemical and biological methods “ A review of process, catalyst, acyl acceptor, source and process variables. Renewable and Sustainable Energy Reviews, 2014, 38, 368-382.	16.4	124
5	Green processing and biotechnological potential of grape pomace: Current trends and opportunities for sustainable biorefinery. Bioresource Technology, 2020, 314, 123771.	9.6	114
6	Microbial oil “ A plausible alternate resource for food and fuel application. Bioresource Technology, 2017, 233, 423-432.	9.6	78
7	Biodiesel production from microalgae <i>Nannochloropsis oculata</i> using heterogeneous Poly Ethylene Glycol (PEG) encapsulated ZnOMn ²⁺ nanocatalyst. Bioresource Technology, 2019, 282, 348-352.	9.6	65
8	Bioethanol production from woody stem <i>Prosopis juliflora</i> using thermo tolerant yeast <i>Kluyveromyces marxianus</i> and its kinetics studies. Bioresource Technology, 2019, 293, 122060.	9.6	43
9	Malic acid production from biodiesel derived crude glycerol using morphologically controlled <i>Aspergillus niger</i> in batch fermentation. Bioresource Technology, 2018, 269, 393-399.	9.6	42
10	Process optimization and kinetic analysis of malic acid production from crude glycerol using <i>Aspergillus niger</i> . Bioresource Technology, 2019, 281, 18-25.	9.6	42
11	Itaconic acid: an effective sorbent for removal of pollutants from dye industry effluents. Current Opinion in Environmental Science and Health, 2019, 12, 6-17.	4.1	41
12	A review on feedstock, pretreatment methods, influencing factors, production and purification processes of bio-hydrogen production. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100038.	6.1	40
13	Malic acid production by chemically induced <i>Aspergillus niger</i> MTCC 281 mutant from crude glycerol. Bioresource Technology, 2018, 251, 264-267.	9.6	38
14	Modelling and process optimization for biodiesel production from <i>Nannochloropsis salina</i> using artificial neural network. Bioresource Technology, 2021, 329, 124872.	9.6	33
15	Critical review on bioconversion of winery wastes into value-added products. Industrial Crops and Products, 2020, 158, 112954.	5.2	32
16	Recent advances in microbial production of malic acid from renewable byproducts. Reviews in Environmental Science and Biotechnology, 2019, 18, 579-595.	8.1	29
17	Continuous production of biohydrogen from brewery effluent using co-culture of mutated <i>Rhodobacter</i> M 19 and <i>Enterobacter aerogenes</i> . Bioresource Technology, 2019, 286, 121402.	9.6	29
18	Biodiesel production from different algal oil using immobilized pure lipase and tailor made <i>r Pichia pastoris</i> with Cal A and Cal B genes. Bioresource Technology, 2016, 213, 69-78.	9.6	26

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19	Production of biofuels from fish wastes: an overview. <i>Biofuels</i> , 2019, 10, 301-307.	2.4	26
20	Enhanced malic acid production using <i>Aspergillus niger</i> coupled with in situ product recovery. <i>Bioresource Technology</i> , 2020, 308, 123259.	9.6	25
21	Biochemical conversion of biodiesel by-product into malic acid: A way towards sustainability. <i>Science of the Total Environment</i> , 2020, 709, 136206.	8.0	18
22	Transgenicism in algae: Challenges in compatibility, global scenario and future prospects for next generation biofuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111829.	16.4	14
23	Anaerobic biobutanol production from black strap molasses using <i>Clostridium acetobutylicum</i> MTCC11274: Media engineering and kinetic analysis. <i>Bioresource Technology</i> , 2022, 346, 126405.	9.6	13
24	The Kinetics of Interesterification on Waste Cooking Oil (Sunflower Oil) for the Production of Fatty Acid Alkyl Esters using a Whole Cell Biocatalyst (<i>Rhizopus oryzae</i>) and Pure Lipase Enzyme. <i>International Journal of Green Energy</i> , 2015, 12, 1012-1017.	3.8	11
25	Techno economic analysis of malic acid production using crude glycerol derived from waste cooking oil. <i>Bioresource Technology</i> , 2022, 351, 126956.	9.6	11
26	Biodiesel production from microbial oil derived from wood isolate <i>Trichoderma reesei</i> . <i>Bioresource Technology</i> , 2017, 239, 538-541.	9.6	10
27	Extracellular Green Synthesis of Silver Nanoparticles Using Extract of <i>Mimosa pudica</i> Leaves and Assessment of Antibacterial and Antifungal Activity. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 1025-1033.	1.0	10
28	Biodegradation of Poly(vinyl alcohol) using <i>Pseudomonas alcaligenes</i> . <i>Asian Journal of Chemistry</i> , 2013, 25, 8663-8667.	0.3	7
29	Enhancement of Feedstock Composition and Fuel Properties for Biogas Production. <i>Energy, Environment, and Sustainability</i> , 2020, , 113-131.	1.0	6
30	Integrated Biorefinery for Bioenergy and Platform Chemicals. , 2016, , 417-435.		5
31	Biodegradation of aniline from textile industry waste using salt tolerant <i>Bacillus firmus</i> BA01. <i>Engineering in Agriculture, Environment and Food</i> , 2019, 12, 360-366.	0.5	4
32	Conversion of Glycerol to Valuable Products. , 2019, , 157-169.		4
33	Overview of Current Developments in Biobutanol Production Methods and Future Perspectives. <i>Methods in Molecular Biology</i> , 2021, 2290, 3-21.	0.9	3
34	Exploring the potential of biodiesel derived crude glycerol into high value malic acid: Biosynthesis, process optimization and kinetic assessment. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100075.	2.8	3
35	Conversion of Biomass to Methanol and Ethanol. , 2019, , 61-72.		3
36	Simultaneous saccharification and fermentation of woody stem <i>Prosopis juliflora</i> by <i>Zymomonas mobilis</i> for the production of cellulosic ethanol. <i>International Journal of Materials and Product Technology</i> , 2017, 55, 236.	0.2	3

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37	Bioethanol production by the utilisation of <i>Moringa oleifera</i> stem with sono-assisted acid/alkali hydrolysis approach. International Journal of Environment and Sustainable Development, 2016, 15, 392.	0.3	2
38	Biobutanol versus bioethanol in acetoneâ€“butanolâ€“ethanol technologyâ€“A chemical and economical overview. , 2019, , 83-99.		2
39	Experimental design approach for petrochemical waste water treatment using solar assisted photo Fenton process. Journal of the Indian Chemical Society, 2022, 99, 100622.	2.8	2
40	ENHANCED PRODUCTION OF BACTERIOCIN FROM PROBIOTICS USING OPTIMIZATION TECHNIQUES BY RESPONSE SURFACE METHODOLOGY. Acta Horticulturae, 2014, , 261-269.	0.2	0
41	Enhanced pretreatment, characterization and utilization of <i>Prosopis juliflora</i> stem for bioethanol production. Management of Environmental Quality, 2016, 27, 598-605.	4.3	0
42	Study of Blended Waste Organic Extracts in Wastewater Treatment. Asian Journal of Chemistry, 2019, 31, 1013-1016.	0.3	0
43	Valorization of Industrial Wastes for Biofuel Production: Challenges and Opportunities. , 2021, , 231-245.		0
44	Biodiesel production: key factors affecting the efficiency of the process. , 2022, , 153-178.		0