

Balasubramanian Bharathiraja

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,710
citations

331259

21
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329751

37
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46
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46
docs citations

46
times ranked

2249
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	14
2	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.	4.8	13
3	Biodiesel production: key factors affecting the efficiency of the process. , 2022, , 153-178.		0
4	Techno economic analysis of malic acid production using crude glycerol derived from waste cooking oil. <i>Bioresource Technology</i> , 2022, 351, 126956.	4.8	11
5	Experimental design approach for petrochemical waste water treatment using solar assisted photo Fenton process. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100622.	1.3	2
6	Overview of Current Developments in Biobutanol Production Methods and Future Perspectives. <i>Methods in Molecular Biology</i> , 2021, 2290, 3-21.	0.4	3
7	Valorization of Industrial Wastes for Biofuel Production: Challenges and Opportunities. , 2021, , 231-245.		0
8	Modelling and process optimization for biodiesel production from <i>Nannochloropsis salina</i> using artificial neural network. <i>Bioresource Technology</i> , 2021, 329, 124872.	4.8	33
9	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.	1.3	3
10	Biochemical conversion of biodiesel by-product into malic acid: A way towards sustainability. <i>Science of the Total Environment</i> , 2020, 709, 136206.	3.9	18
11	A review on feedstock, pretreatment methods, influencing factors, production and purification processes of bio-hydrogen production. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 2, 100038.	2.9	40
12	Critical review on bioconversion of winery wastes into value-added products. <i>Industrial Crops and Products</i> , 2020, 158, 112954.	2.5	32
13	Enhanced malic acid production using <i>Aspergillus niger</i> coupled with in situ product recovery. <i>Bioresource Technology</i> , 2020, 308, 123259.	4.8	25
14	Green processing and biotechnological potential of grape pomace: Current trends and opportunities for sustainable biorefinery. <i>Bioresource Technology</i> , 2020, 314, 123771.	4.8	114
15	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.	0.4	10
16	Enhancement of Feedstock Composition and Fuel Properties for Biogas Production. <i>Energy, Environment, and Sustainability</i> , 2020, , 113-131.	0.6	6
17	Itaconic acid: an effective sorbent for removal of pollutants from dye industry effluents. <i>Current Opinion in Environmental Science and Health</i> , 2019, 12, 6-17.	2.1	41
18	Study of Blended Waste Organic Extracts in Wastewater Treatment. <i>Asian Journal of Chemistry</i> , 2019, 31, 1013-1016.	0.1	0

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19	Recent advances in microbial production of malic acid from renewable byproducts. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 579-595.	3.9	29
20	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.	0.2	4
21	Bioethanol production from woody stem <i>Prosopis juliflora</i> using thermo tolerant yeast <i>Kluyveromyces marxianus</i> and its kinetics studies. <i>Bioresource Technology</i> , 2019, 293, 122060.	4.8	43
22	Biobutanol versus bioethanol in acetoneâ€“butanolâ€“ethanol technologyâ€”A chemical and economical overview. , 2019, , 83-99.		2
23	Continuous production of biohydrogen from brewery effluent using co-culture of mutated <i>Rhodobacter</i> M 19 and <i>Enterobacter aerogenes</i> . <i>Bioresource Technology</i> , 2019, 286, 121402.	4.8	29
24	Biodiesel production from microalgae <i>Nannochloropsis oculata</i> using heterogeneous Poly Ethylene Glycol (PEG) encapsulated ZnOMn ²⁺ nanocatalyst. <i>Bioresource Technology</i> , 2019, 282, 348-352.	4.8	65
25	Process optimization and kinetic analysis of malic acid production from crude glycerol using <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2019, 281, 18-25.	4.8	42
26	Production of biofuels from fish wastes: an overview. <i>Biofuels</i> , 2019, 10, 301-307.	1.4	26
27	Conversion of Biomass to Methanol and Ethanol. , 2019, , 61-72.		3
28	Conversion of Glycerol to Valuable Products. , 2019, , 157-169.		4
29	Malic acid production by chemically induced <i>Aspergillus niger</i> MTCC 281 mutant from crude glycerol. <i>Bioresource Technology</i> , 2018, 251, 264-267.	4.8	38
30	Malic acid production from biodiesel derived crude glycerol using morphologically controlled <i>Aspergillus niger</i> in batch fermentation. <i>Bioresource Technology</i> , 2018, 269, 393-399.	4.8	42
31	Microbial oil â€” A plausible alternate resource for food and fuel application. <i>Bioresource Technology</i> , 2017, 233, 423-432.	4.8	78
32	Biodiesel production from microbial oil derived from wood isolate <i>Trichoderma reesei</i> . <i>Bioresource Technology</i> , 2017, 239, 538-541.	4.8	10
33	Biobutanol â€” An impending biofuel for future: A review on upstream and downstream processing techniques. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 788-807.	8.2	173
34	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.	0.1	3
35	Enhanced pretreatment, characterization and utilization of <i>Prosopis juliflora</i> stem for bioethanol production. <i>Management of Environmental Quality</i> , 2016, 27, 598-605.	2.2	0
36	Biohydrogen and Biogas â€” An overview on feedstocks and enhancement process. <i>Fuel</i> , 2016, 185, 810-828.	3.4	193

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37	Integrated Biorefinery for Bioenergy and Platform Chemicals. , 2016, , 417-435.		5
38	Bioethanol production by the utilisation of Moringa oleifera stem with sono-assisted acid/alkali hydrolysis approach. International Journal of Environment and Sustainable Development, 2016, 15, 392.	0.2	2
39	Biodiesel production from different algal oil using immobilized pure lipase and tailor made r Pichia pastoris with Cal A and Cal B genes. Bioresource Technology, 2016, 213, 69-78.	4.8	26
40	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.	8.2	177
41	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. International Journal of Green Energy, 2015, 12, 1012-1017.	2.1	11
42	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.	8.2	124
43	ENHANCED PRODUCTION OF BACTERIOCIN FROM PROBIOTICS USING OPTIMIZATION TECHNIQUES BY RESPONSE SURFACE METHODOLOGY. Acta Horticulturae, 2014, , 261-269.	0.1	0
44	Biodegradation of Poly(vinyl alcohol) using Pseudomonas alcaligenes. Asian Journal of Chemistry, 2013, 25, 8663-8667.	0.1	7