

J Iyyappan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

789
citations

567281

15
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526287

27
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28
all docs

28
docs citations

28
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	9.6	65
2	Fabrication, characterization and application of pectin degrading Fe ₃ O ₄ @SiO ₂ nanobiocatalyst. <i>Materials Science and Engineering C</i> , 2013, 33, 2273-2279.	7.3	57
3	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.	9.6	42
4	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.	9.6	42
5	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.	4.1	41
6	Malic acid production by chemically induced <i>Aspergillus niger</i> MTCC 281 mutant from crude glycerol. <i>Bioresource Technology</i> , 2018, 251, 264-267.	9.6	38
7	Critical review on bioconversion of winery wastes into value-added products. <i>Industrial Crops and Products</i> , 2020, 158, 112954.	5.2	32
8	Advances in bio food packaging – An overview. <i>Heliyon</i> , 2021, 7, e07998.	3.2	30
9	Recent advances in microbial production of malic acid from renewable byproducts. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 579-595.	8.1	29
10	Improved itaconic acid production by <i>Aspergillus niveus</i> using blended algal biomass hydrolysate and glycerol as substrates. <i>Bioresource Technology</i> , 2019, 283, 297-302.	9.6	25
11	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
12	Lipid bioproduction from delignified native grass (<i>Cyperus distans</i>) hydrolysate by <i>Yarrowia lipolytica</i> . <i>Bioresource Technology</i> , 2021, 324, 124659.	9.6	23
13	Standardization of non-edible <i>Pongamia pinnata</i> oil methyl ester conversion using hydroxyl content and GC-MS analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1485-1489.	5.3	21
14	Phytoremediation Techniques for the Removal of Dye in Wastewater. <i>Energy, Environment, and Sustainability</i> , 2018, , 243-252.	1.0	16
15	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
16	Synthesis of itaconic acid from agricultural waste using novel <i>Aspergillus niveus</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 605-609.	1.9	13
17	Role of graphitized mesoporous carbon on solidification and melting characteristics of water for cool thermal storage. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 890-898.	2.1	13
18	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

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19	Expedited energy charging of water using natural graphite flake for cool thermal storage. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 670-677.	2.1	11
20	Techno economic analysis of malic acid production using crude glycerol derived from waste cooking oil. Bioresource Technology, 2022, 351, 126956.	9.6	11
21	Extracellular Green Synthesis of Silver Nanoparticles Using Extract of Mimosa pudica Leaves and Assessment of Antibacterial and Antifungal Activity. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2020, 90, 1025-1033.	1.0	10
22	Overview of Current Developments in Biobutanol Production Methods and Future Perspectives. Methods in Molecular Biology, 2021, 2290, 3-21.	0.9	3
23	A review on process and characterization of mussels and cirripeds for adhesive properties and applications thereof. Current Research in Green and Sustainable Chemistry, 2021, 4, 100092.	5.6	3
24	Degradation of hydrocarbon by isolated fungal species with laccase activity. Journal of Environmental Biology, 2019, 40, 796-801.	0.5	2
25	Production of antimicrobial adhesives. Journal of Environmental Biology, 2019, 40, 812-816.	0.5	1
26	Identification of anti-fungal compounds in fresh water crab (Spiralothelphusa sp.) burrow soil. Biocatalysis and Agricultural Biotechnology, 2018, 16, 579-585.	3.1	0