

Priyadharsini Shanmugam

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,184
citations

840776

11
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

1808
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	Microbial oil “ A plausible alternate resource for food and fuel application. Bioresource Technology, 2017, 233, 423-432.	9.6	78
6	Bioethanol production from palm wood using <i>Trichoderma reesei</i> and <i>Kluyveromyces marxianus</i> . Bioresource Technology, 2019, 271, 345-352.	9.6	58
7	Comparative analysis for the production of fatty acid alkyl esterase using whole cell biocatalyst and purified enzyme from <i>Rhizopus oryzae</i> on waste cooking oil (sunflower oil). Waste Management, 2012, 32, 1539-1547.	7.4	48
8	Biodiesel production from different algal oil using immobilized pure lipase and tailor made <i>Pichia pastoris</i> with Cal A and Cal B genes. Bioresource Technology, 2016, 213, 69-78.	9.6	26
9	Recent progress on transforming crude glycerol into high value chemicals: a critical review. Biofuels, 2019, 10, 309-314.	2.4	23
10	New reports on anti-bacterial and anti-candidal activities of fatty acid methyl esters (FAME) obtained from <i>Scenedesmus bijugatus</i> var. <i>bicellularis</i> biomass. RSC Advances, 2012, 2, 11552.	3.6	18
11	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.	3.8	11
12	Biodiesel production from microbial oil derived from wood isolate <i>Trichoderma reesei</i> . Bioresource Technology, 2017, 239, 538-541.	9.6	10
13	Effect of the ethanolic extract of <i>Indigofera barberi</i> (L.) in acute acetaminophen induced nephrotoxic rats. New Biotechnology, 2009, 25, S14.	4.4	8
14	Biodegradation of Poly(vinyl alcohol) using <i>Pseudomonas alcaligenes</i> . Asian Journal of Chemistry, 2013, 25, 8663-8667.	0.3	7
15	Calcium Oxide Nanoparticles as An Effective Filtration Aid for Purification of Vehicle Gas Exhaust. Energy, Environment, and Sustainability, 2018, , 181-192.	1.0	6
16	Integrated Biorefinery for Bioenergy and Platform Chemicals. , 2016, , 417-435.		5
17	Algae: Promising Future Feedstock for Biofuels. , 2015, , 1-8.		4
18	Phytoconstituents evaluation and antihyperglycemic and antihyperlipidemic effects of <i>Mahonia leschenaultia</i> Takeda in streptozotocin-induced diabetic rats. Toxicological and Environmental Chemistry, 2010, 92, 1199-1211.	1.2	3

#	ARTICLE	IF	CITATIONS
19	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
20	Optimization of biological transesterification of waste cooking oil in different solvents using response surface methodology. Management of Environmental Quality, 2016, 27, 537-550.	4.3	1
21	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