

Mohamad Faizal Ibrahim

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

627
citations

13
h-index

24
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44
ext. papers

796
ext. citations

4.4
avg. IF

4.31
L-index

#	Paper	IF	Citations
41	Simultaneous enzymatic saccharification and ABE fermentation using pretreated oil palm empty fruit bunch as substrate to produce butanol and hydrogen as biofuel. <i>Renewable Energy</i> , 2015 , 77, 447-455	8.1	79
40	Cellulosic biobutanol by Clostridia: Challenges and improvements. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 79, 1241-1254	16.2	66
39	Harnessing the potential of ligninolytic enzymes for lignocellulosic biomass pretreatment. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 5231-46	5.7	66
38	Advanced bioprocessing strategies for biobutanol production from biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 1192-1204	16.2	53
37	Oil palm empty fruit bunch as alternative substrate for acetone-butanol-ethanol production by <i>Clostridium butyricum</i> EB6. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 1615-25	3.2	36
36	Reduction of POME final discharge residual using activated bioadsorbent from oil palm kernel shell. <i>Journal of Cleaner Production</i> , 2018 , 182, 830-837	10.3	35
35	Utilization of oil palm decanter cake for cellulase and polyoses production. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 547-555	3.1	32
34	Production of Biosurfactant Produced from Used Cooking Oil by sp. HIP3 for Heavy Metals Removal. <i>Molecules</i> , 2019 , 24,	4.8	31
33	Pre-treatment of Oil Palm Biomass for Fermentable Sugars Production. <i>Molecules</i> , 2018 , 23,	4.8	28
32	Crude cellulase from oil palm empty fruit bunch by <i>Trichoderma asperellum</i> UPM1 and <i>Aspergillus fumigatus</i> UPM2 for fermentable sugars production. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1320-35	3.2	23
31	Effect of Buffering System on Acetone-Butanol-Ethanol Fermentation by <i>Clostridium acetobutylicum</i> ATCC 824 using Pretreated Oil Palm Empty Fruit Bunch. <i>BioResources</i> , 2015 , 10,	1.3	17
30	Simultaneous saccharification and fermentation of sago hampas into biobutanol by <i>Clostridium acetobutylicum</i> ATCC 824. <i>Energy Science and Engineering</i> , 2019 , 7, 66-75	3.4	14
29	Improved Biobutanol Production in 2-L Simultaneous Saccharification and Fermentation with Delayed Yeast Extract Feeding and in-situ Recovery. <i>Scientific Reports</i> , 2019 , 9, 7443	4.9	13
28	Comparison of hydro-distillation, hydro-distillation with enzyme-assisted and supercritical fluid for the extraction of essential oil from pineapple peels. <i>3 Biotech</i> , 2019 , 9, 234	2.8	12
27	Optimisation of Simultaneous Saccharification and Fermentation (SSF) for Biobutanol Production Using Pretreated Oil Palm Empty Fruit Bunch. <i>Molecules</i> , 2018 , 23,	4.8	12
26	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. <i>Environmental Research</i> , 2022 , 204, 111966	7.9	12
25	The effect of Palm Oil Mill Effluent Final Discharge on the Characteristics of <i>Pennisetum purpureum</i> . <i>Scientific Reports</i> , 2020 , 10, 6613	4.9	11

24	Sago Biomass as a Sustainable Source for Biohydrogen Production by <i>Clostridium butyricum</i> A1. <i>BioResources</i> , 2013 , 9,	1.3	11
23	Direct Bioelectricity Generation from Sago Hampas by SR1 Using Microbial Fuel Cell. <i>Molecules</i> , 2019 , 24,	4.8	10
22	Combination of Superheated Steam with Laccase Pretreatment Together with Size Reduction to Enhance Enzymatic Hydrolysis of Oil Palm Biomass. <i>Molecules</i> , 2018 , 23,	4.8	8
21	PHYSICOCHEMICAL PROPERTY CHANGES AND ENZYMATIC HYDROLYSIS ENHANCEMENT OF OIL PALM EMPTY FRUIT BUNCHES TREATED WITH SUPERHEATED STEAM. <i>BioResources</i> , 2012 , 7,	1.3	7
20	Biological Pretreatment of Oil Palm Empty Fruit Bunch by <i>Schizophyllum commune</i> ENN1 without Washing and Nutrient Addition. <i>Processes</i> , 2019 , 7, 402	2.9	6
19	Improved cellulase production by <i>Botryosphaeria rhodina</i> from OPEFB at low level moisture condition through statistical optimization. <i>Preparative Biochemistry and Biotechnology</i> , 2012 , 42, 155-70	2.4	6
18	Combined Optimization of Codon Usage and Glycine Supplementation Enhances the Extracellular Production of a β Cyclodextrin Glycosyltransferase from sp. NR5 UPM in. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
17	Statistical Optimization of Biobutanol Production from Oil Palm Decanter Cake Hydrolysate by <i>Clostridium acetobutylicum</i> ATCC 824. <i>BioResources</i> , 2013 , 8,	1.3	5
16	Effects of Alginate and Chitosan on Activated Carbon as Immobilisation Beads in Biohydrogen Production. <i>Processes</i> , 2020 , 8, 1254	2.9	5
15	Isolation, Identification, and Optimization of γ Aminobutyric Acid (GABA)-Producing <i>Bacillus cereus</i> Strain KBC from a Commercial Soy Sauce moromi in Submerged-Liquid Fermentation. <i>Processes</i> , 2020 , 8, 652	2.9	4
14	Simultaneous pretreatment and saccharification of oil palm empty fruit bunch using laccase-cellulase cocktail. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020 , 29, 101824	4.2	4
13	Enzymatic Saccharification with Sequential-Substrate Feeding and Sequential-Enzymes Loading to Enhance Fermentable Sugar Production from Sago Hampas. <i>Processes</i> , 2021 , 9, 535	2.9	4
12	Enhanced volatile fatty acid production from sago hampas by <i>Clostridium beijerinckii</i> SR1 for bioelectricity generation using microbial fuel cells. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 2027-2038 ³	2.7	3
11	Potential use of <i>Pennisetum purpureum</i> for phytoremediation and bioenergy production: a mini review. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 14-26	0.3	3
10	Microorganisms as a sustainable aquafeed ingredient: A review. <i>Aquaculture Research</i> ,	1.9	2
9	Chemical-free pretreatment of unwashed oil palm empty fruit bunch by using locally isolated fungus (<i>Schizophyllum commune</i> ENN1) for delignification. <i>Food and Bioproducts Processing</i> , 2019 , 118, 207-216	4.9	1
8	Improved extracellular secretion of β Cyclodextrin glycosyltransferase from <i>Escherichia coli</i> by glycine supplementation without apparent cell lysis. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 93-102	0.3	1
7	Biological Pretreatment of Lignocellulosic Biomass 2022 , 161-177		0

- 6 Biobutanol Production from Oil Palm Biomass **2022**, 307-324
- 5 Bioethanol from Oil Producing Plants **2022**, 287-306
- 4 Lignin-Degrading Enzymes **2022**, 179-198
- 3 Biobutanol Production from Agricultural Biomass **2021**, 67-84
- 2 Utilization of agricultural biomass for bio-butanol production **2022**, 235-248
- 1 Demand and Sustainability of Palm Oil Plantation **2022**, 11-28