

Zul Ilham

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,368
citations

430874

18
h-index

345221

36
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59
all docs

59
docs citations

59
times ranked

1394
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art and prospective of lipase-catalyzed transesterification reaction for biodiesel production. <i>Energy Conversion and Management</i> , 2017, 141, 339-353.	9.2	246
2	Two-step supercritical dimethyl carbonate method for biodiesel production from <i>Jatropha curcas</i> oil. <i>Bioresource Technology</i> , 2010, 101, 2735-2740.	9.6	121
3	Optimization of biodiesel production from <i>Brucea javanica</i> seeds oil as novel non-edible feedstock using response surface methodology. <i>Energy Conversion and Management</i> , 2017, 149, 392-400.	9.2	112
4	Dimethyl carbonate as potential reactant in non-catalytic biodiesel production by supercritical method. <i>Bioresource Technology</i> , 2009, 100, 1793-1796.	9.6	110
5	Biodiesel production by lipase-catalyzed transesterification of <i>Ocimum basilicum</i> L. (sweet basil) seed oil. <i>Energy Conversion and Management</i> , 2017, 132, 82-90.	9.2	98
6	New process for catalyst-free biodiesel production using subcritical acetic acid and supercritical methanol. <i>Fuel</i> , 2010, 89, 1442-1446.	6.4	62
7	Optimization of supercritical dimethyl carbonate method for biodiesel production. <i>Fuel</i> , 2012, 97, 670-677.	6.4	60
8	Evaluation of Indian milkweed (<i>Calotropis gigantea</i>) seed oil as alternative feedstock for biodiesel. <i>Industrial Crops and Products</i> , 2014, 54, 226-232.	5.2	43
9	Optimisation of biomass, exopolysaccharide and intracellular polysaccharide production from the mycelium of an identified <i>Ganoderma lucidum</i> strain QRS 5120 using response surface methodology. <i>AIMS Microbiology</i> , 2019, 5, 19-38.	2.2	34
10	Esterification of glycerol from biodiesel production to glycerol carbonate in non-catalytic supercritical dimethyl carbonate. <i>SpringerPlus</i> , 2016, 5, 923.	1.2	30
11	Fruiting body flour from an Oyster mushroom waste in the development of antioxidative chicken patty. <i>Journal of Food Science</i> , 2020, 85, 3124-3133.	3.1	30
12	Recent progress and advances in soy sauce production technologies: A review. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15799.	2.0	28
13	Efficient biomass-exopolysaccharide production from an identified wild-Serbian <i>Ganoderma lucidum</i> strain BGF4A1 mycelium in a controlled submerged fermentation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101305.	3.1	26
14	Use of Zebrafish Embryo Assay to Evaluate Toxicity and Safety of Bioreactor-Grown Exopolysaccharides and Endopolysaccharides from European <i>Ganoderma applanatum</i> Mycelium for Future Aquaculture Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1675.	4.1	26
15	High-performance enzymatic biofuel cell based on three-dimensional graphene. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30367-30374.	7.1	25
16	Vital parameters for high gamma-aminobutyric acid (GABA) production by an industrial soy sauce koji <i>Aspergillus oryzae</i> NSK in submerged-liquid fermentation. <i>Food Science and Biotechnology</i> , 2019, 28, 1747-1757.	2.6	25
17	Production of biodiesel with glycerol carbonate by non-catalytic supercritical dimethyl carbonate. <i>Lipid Technology</i> , 2011, 23, 10-13.	0.3	24
18	Anti-inflammatory Activity of <i>Calophyllum Inophyllum</i> Fruits Extracts. <i>Procedia Chemistry</i> , 2014, 13, 218-220.	0.7	22

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19	Performance of mycelial biomass and exopolysaccharide from Malaysian <i>Ganoderma lucidum</i> for the fungivore red hybrid <i>Tilapia</i> (<i>Oreochromis</i> sp.) in Zebrafish embryo. <i>Aquaculture Reports</i> , 2020, 17, 100322.	1.7	18
20	Isolation, Identification, and Optimization of $\hat{\Gamma}^3$ -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.	2.8	18
21	In-depth spectral characterization of antioxidative (1,3)- $\hat{\Gamma}^2$ -D-glucan from the mycelium of an identified tiger milk mushroom <i>Lignosus rhinocerus</i> strain ABI in a stirred-tank bioreactor. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101455.	3.1	17
22	In vivo toxicity of bioreactor-grown biomass and exopolysaccharides from Malaysian tiger milk mushroom mycelium for potential future health applications. <i>Scientific Reports</i> , 2021, 11, 23079.	3.3	17
23	Extraction and Quantification of Toxic Compound Mimosine from <i>Leucaena Leucocephala</i> Leaves. <i>Procedia Chemistry</i> , 2015, 16, 164-170.	0.7	16
24	Assessment of Knowledge, Attitude and Practice of University Students towards Sustainable Development Goals (SDGs). <i>The Journal of Indonesia Sustainable Development Planning</i> , 2020, 1, 31-44.	0.2	16
25	Optimisation of biomass and lipid production of a tropical thraustochytrid <i>Aurantiochytrium</i> sp. UMACC-T023 in submerged-liquid fermentation for large-scale biodiesel production. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101496.	3.1	15
26	Performance of electricity usage at residential college buildings in the University of Malaya campus. <i>Energy for Sustainable Development</i> , 2017, 40, 85-102.	4.5	12
27	The production of functional $\hat{\Gamma}^3$ -aminobutyric acid Malaysian soy sauce koji and moromi using the trio of <i>Aspergillus oryzae</i> NSK, <i>Bacillus cereus</i> KBC, and the newly identified <i>Tetragenococcus halophilus</i> KBC in liquid-state fermentation. <i>Future Foods</i> , 2021, 4, 100055.	5.4	12
28	Preparation and characterization of cellulose and microcrystalline cellulose isolated from waste <i>Leucaena leucocephala</i> seeds. <i>International Journal of Advanced and Applied Sciences</i> , 2017, 4, 51-58.	0.4	11
29	Understanding perception and interpretation of Malaysian university students on renewable energy. <i>AIMS Energy</i> , 2020, 8, 1029-1044.	1.9	10
30	Quantitative priority estimation model for evaluation of various non-edible plant oils as potential biodiesel feedstock. <i>AIMS Agriculture and Food</i> , 2019, 4, 303-319.	1.6	9
31	Enhancement of Agro-Industrial Copra Residue Oil Yield Using Microwave-Assisted Extraction. <i>Waste and Biomass Valorization</i> , 2019, 10, 2681-2688.	3.4	8
32	Extrication of biodiesel feedstock from early stage of food waste liquefaction. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 676-681.	3.0	7
33	Vital parameters for biomass, lipid, and carotenoid production of thraustochytrids. <i>Journal of Applied Phycology</i> , 2020, 32, 1003-1016.	2.8	7
34	Effects of torrefaction and water washing on the properties and combustion reactivity of various wastes. <i>International Journal of Energy Research</i> , 2021, 45, 8125-8139.	4.5	7
35	Efficient biomass-endopolysaccharide production from an identified wild-Serbian <i>Ganoderma applanatum</i> strain BGS6Ap mycelium in a controlled submerged fermentation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 37, 102166.	3.1	7
36	Biomass classification and characterization for conversion to biofuels. , 2022, , 69-87.		7

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37	Comment on "A glycerol-free process to produce biodiesel by supercritical methyl acetate technology: An optimization study via response surface methodology". <i>Bioresource Technology</i> , 2011, 102, 3989.	9.6	5
38	Performance and emission opacity of canola and soybean biodiesel fuel in a diesel engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2018, 12, 3689-3699.	0.6	4
39	Effect of Sugar-Pectin-Citric Acid Pre-Commercialization Formulation on the Physicochemical, Sensory, and Shelf-Life Properties of Musa cavendish Banana Jam. <i>Sains Malaysiana</i> , 2021, 50, 1329-1342.	0.5	3
40	Simultaneous analytical determination of methyl salicylate and thymol in selected malaysian traditional medicines. <i>AIMS Medical Science</i> , 2020, 7, 43-56.	0.4	3
41	Energy conservation: awareness analysis among secondary school students. <i>Environmental Education Research</i> , 2022, 28, 925-947.	2.9	3
42	Potential antioxidants from crude extracts of roselle seeds and cashew nut shells for biodiesel storage stability improvement. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
43	Conversion of Glycerol as By-Product from Biodiesel Production to Value-Added Glycerol Carbonate. <i>Green Energy and Technology</i> , 2012, , 127-133.	0.6	2
44	Alternative Route for Biodiesel Synthesis with Co-Production of Glycerol Carbonate. <i>Journal of Physics: Conference Series</i> , 2021, 2129, 012063.	0.4	2
45	Youth Awareness Level towards Sustainable Development Goals (SDGs) in Greater Kuala Lumpur. <i>The Journal of Indonesia Sustainable Development Planning</i> , 2021, 2, 217-233.	0.2	2
46	Gas-liquid and liquid-liquid Mass Transfers in Simulated and Actual High Cell Density Fermentations. <i>Chemical Engineering Communications</i> , 2015, 202, 1628-1634.	2.6	1
47	Optimized Conversion of Nyamplung Seeds Oil to Biodiesel Using Box-Behnken Response Surface Methodology (RSM). <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 877, 012029.	0.6	1
48	Valorization of underutilized river tamarind <i>Leucaena leucocephala</i> seeds biomass for cellulose nanocrystals synthesis. <i>International Journal of Advanced and Applied Sciences</i> , 2021, 8, 95-103.	0.4	1
49	Comfortable Liveable Space: Shipping Container and Bamboo as Sustainable Building Materials in Equatorial Climate Perspective?. <i>Jurnal Alam Bina</i> , 2021, 8, 11-22.	0.5	1
50	Brucea javanica seeds as source of potential natural antioxidants to improve biodiesel thermal and oxidative stability. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2017, 13, .	0.8	1
51	Glycerol to Value-Added Glycerol Carbonate in the Two-Step Non-Catalytic Supercritical Dimethyl Carbonate Method. <i>Green Energy and Technology</i> , 2011, , 153-158.	0.6	1
52	Optimization of see do il extraction process parameters from Brucea javanica using Design of Experiment (DoE). <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 572, 012063.	0.6	0
53	Energy Priority Estimation Model for Quantitative Analysis of Potential Bioethanol Feedstock. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012020.	0.6	0
54	Reactivity of Triglycerides and Fatty Acids in Sub/Supercritical Dialkyl Carbonates for Biodiesel Production. <i>Green Energy and Technology</i> , 2013, , 97-104.	0.6	0

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55	Physico-Chemical Properties of Biodiesel from Various Feedstocks. Green Energy and Technology, 2013, , 113-121.	0.6	0
56	Green Energy towards Sustainability from the Islamic Perspective. International Journal of Sustainable Future for Human Security, 2016, 3, 31-34.	0.1	0
57	Relationship Dimension In University Laboratories And Its Effects On Studentsâ€™ Interest. , 0, , .		0
58	Hydrolysis of microcrystalline cellulose isolated from waste seeds of Leucaena leucocephala for glucose production. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 200-205.	0.8	0