

Zul Ilham

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9017605/publications.pdf>

Version: 2024-02-01

58
papers

1,368
citations

430874
18
h-index

345221
36
g-index

59
all docs

59
docs citations

59
times ranked

1394
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass classification and characterization for conversion to biofuels. , 2022, , 69-87.		7
2	Energy conservation: awareness analysis among secondary school students. Environmental Education Research, 2022, 28, 925-947.	2.9	3
3	Effects of torrefaction and water washing on the properties and combustion reactivity of various wastes. International Journal of Energy Research, 2021, 45, 8125-8139.	4.5	7
4	Valorization of underutilized river tamarind <i>Leucaena leucocephala</i> seeds biomass for cellulose nanocrystals synthesis. International Journal of Advanced and Applied Sciences, 2021, 8, 95-103.	0.4	1
5	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. International Journal of Molecular Sciences, 2021, 22, 1675.	4.1	26
6	Effect of Sugar-Pectin-Citric Acid Pre-Commercialization Formulation on the Physicochemical, Sensory, and Shelf-Life Properties of Musa cavendish Banana Jam. Sains Malaysiana, 2021, 50, 1329-1342.	0.5	3
7	Comfortable Liveable Space: Shipping Container and Bamboo as Sustainable Building Materials in Equatorial Climate Perspective?. Jurnal Alam Bina, 2021, 8, 11-22.	0.5	1
8	The production of functional β -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. Future Foods, 2021, 4, 100055.	5.4	12
9	Recent progress and advances in soy sauce production technologies: A review. Journal of Food Processing and Preservation, 2021, 45, e15799.	2.0	28
10	Efficient biomass-endopolysaccharide production from an identified wild-Serbian <i>Ganoderma applanatum</i> strain BGS6Ap mycelium in a controlled submerged fermentation. Biocatalysis and Agricultural Biotechnology, 2021, 37, 102166.	3.1	7
11	In vivo toxicity of bioreactor-grown biomass and exopolysaccharides from Malaysian tiger milk mushroom mycelium for potential future health applications. Scientific Reports, 2021, 11, 23079.	3.3	17
12	Alternative Route for Biodiesel Synthesis with Co-Production of Glycerol Carbonate. Journal of Physics: Conference Series, 2021, 2129, 012063.	0.4	2
13	Youth Awareness Level towards Sustainable Development Goals (SDGs) in Greater Kuala Lumpur. The Journal of Indonesia Sustainable Development Planning, 2021, 2, 217-233.	0.2	2
14	Vital parameters for biomass, lipid, and carotenoid production of <i>thraustochytrids</i> . Journal of Applied Phycology, 2020, 32, 1003-1016.	2.8	7
15	In-depth spectral characterization of antioxidative (1,3)- β -D-glucan from the mycelium of an identified tiger milk mushroom <i>Lignosus rhinocerus</i> strain ABL in a stirred-tank bioreactor. Biocatalysis and Agricultural Biotechnology, 2020, 23, 101455.	3.1	17
16	Fruiting body as base flour from an Oyster mushroom waste in the development of antioxidative chicken patty. Journal of Food Science, 2020, 85, 3124-3133.	3.1	30
17	Energy Priority Estimation Model for Quantitative Analysis of Potential Bioethanol Feedstock. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012020.	0.6	0
18	Optimized Conversion of Nyamplung Seeds Oil to Biodiesel Using Box-Behnken Response Surface Methodology (RSM). IOP Conference Series: Materials Science and Engineering, 2020, 877, 012029.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Performance of mycelial biomass and exopolysaccharide from Malaysian <i>Ganoderma lucidum</i> for the fungivore red hybrid Tilapia (<i>Oreochromis</i> sp.) in Zebrafish embryo. <i>Aquaculture Reports</i> , 2020, 17, 100322.	1.7	18
20	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.	2.8	18
21	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
22	Understanding perception and interpretation of Malaysian university students on renewable energy. <i>AIMS Energy</i> , 2020, 8, 1029-1044.	1.9	10
23	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
24	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
25	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
26	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
27	High-performance enzymatic biofuel cell based on three-dimensional graphene. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30367-30374.	7.1	25
28	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
29	Optimization of see do il extraction process parameters from <i>Brucea javanica</i> using Design of Experiment (DoE). <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 572, 012063.	0.6	0
30	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
31	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
32	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
33	Hydrolysis of microcrystalline cellulose isolated from waste seeds of <i>Leucaena leucocephala</i> for glucose production. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 200-205.	0.8	0
34	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
35	Extraction 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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	<i>Brucea javanica</i> 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
41	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
42	Esterification of glycerol from biodiesel production to glycerol carbonate in non-catalytic supercritical dimethyl carbonate. <i>SpringerPlus</i> , 2016, 5, 923.	1.2	30
43	Green Energy towards Sustainability from the Islamic Perspective. <i>International Journal of Sustainable Future for Human Security</i> , 2016, 3, 31-34.	0.1	0
44	Extraction and Quantification of Toxic Compound Mimosine from <i>Leucaena Leucocephala</i> Leaves. <i>Procedia Chemistry</i> , 2015, 16, 164-170.	0.7	16
45	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
46	Anti-inflammatory Activity of <i>Calophyllum Inophyllum</i> Fruits Extracts. <i>Procedia Chemistry</i> , 2014, 13, 218-220.	0.7	22
47	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
48	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
49	Physico-Chemical Properties of Biodiesel from Various Feedstocks. <i>Green Energy and Technology</i> , 2013, , 113-121.	0.6	0
50	Optimization of supercritical dimethyl carbonate method for biodiesel production. <i>Fuel</i> , 2012, 97, 670-677.	6.4	60
51	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
52	Production of biodiesel with glycerol carbonate by non-catalytic supercritical dimethyl carbonate. <i>Lipid Technology</i> , 2011, 23, 10-13.	0.3	24
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	New process for catalyst-free biodiesel production using subcritical acetic acid and supercritical methanol. Fuel, 2010, 89, 1442-1446.	6.4	62
56	Two-step supercritical dimethyl carbonate method for biodiesel production from Jatropha curcas oil. Bioresource Technology, 2010, 101, 2735-2740.	9.6	121
57	Dimethyl carbonate as potential reactant in non-catalytic biodiesel production by supercritical method. Bioresource Technology, 2009, 100, 1793-1796.	9.6	110
58	Relationship Dimension In University Laboratories And Its Effects On Studentsâ€™ Interest. , 0, , .		0