

Heri Hermansyah

List of Publications by Year in descending order

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623734

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of B20 Storage Tank Precipitate Removal Based on Biodiesel Monoglyceride Content. ChemEngineering, 2022, 6, 7.	2.4	0
2	Visualizing primary cooling system risks with bowtie diagram for RSG GAS operator guidance. Process Safety Progress, 2022, 41, .	1.0	2
3	Optimization of fluoride release by addition of flavor oils in fast release fluoride varnish. AIP Conference Proceedings, 2021, , .	0.4	0
4	Mechanical Engineering for Society and Industry: A Preface. Mechanical Engineering for Society and Industry, 2021, 1, 1-2.	2.0	0
5	Fluoride and Calcium Release from Peppermint-Flavored Fluoride Varnish Containing Dicalcium-Phosphate-Dihydrate Coated with Xylitol. Saudi Dental Journal, 2021, 34, 68-73.	1.6	2
6	Modification of fast release fluoride varnish by addition of plant-based extracts as antibacterial agents. AIP Conference Proceedings, 2021, , .	0.4	1
7	Solid state fermentation method for production of laccase enzyme with bagasse, cornstalk and rice husk as substrates for adrenaline biosensor. Energy Reports, 2020, 6, 336-340.	5.1	15
8	Production of methyl caffeate as an intermediate product to produce caffeic acid phenethyl ester by esterification using cation-exchange resin. Energy Reports, 2020, 6, 528-533.	5.1	7
9	Equipment-based route index of inherent safety. Process Safety Progress, 2020, 39, e12108.	1.0	9
10	Semi-quantitative risk assessment on the impact of port development to wellhead platform. Process Safety Progress, 2020, 39, e12117.	1.0	0
11	Investigation of the optimum condition for biogas production using cow manure and lemongrass as the substrates. AIP Conference Proceedings, 2020, , .	0.4	0
12	The optimum flowrate recirculation of stacked microbial desalination cell. AIP Conference Proceedings, 2020, , .	0.4	1
13	Analysis for the feasibility of portable biodigester to produce household scale energy. AIP Conference Proceedings, 2020, , .	0.4	1
14	Production of unsaturated fatty acid from Rhizopus oligosporus with temperature shift strategy to prevent cardiovascular disease. AIP Conference Proceedings, 2020, , .	0.4	0
15	Effect of papaya gum ratio per solvent volume and sonication time in bio-insecticide production using NaDES solvents with ultrasonic waves. AIP Conference Proceedings, 2020, , .	0.4	0
16	Assessing carbon availability in bioelectrochemical systems for nitrate removal by environmental isolates. AIP Conference Proceedings, 2020, , .	0.4	1
17	Performance improvement of seawater desalination system using stacked microbial desalination cell method and activated carbon coating on cathode with tofu industrial wastewater as substrate. AIP Conference Proceedings, 2020, , .	0.4	2
18	Safety Analysis Technique for System with Limited Data: Case Study of the Multipurpose Research Reactor in Indonesia. Energies, 2020, 13, 1975.	3.1	7

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19	Effect of cellulose fiber from sorghum bagasse on the mechanical properties and biodegradability of polylactic acid. <i>Energy Reports</i> , 2020, 6, 221-226.	5.1	12
20	Optimization of <i>Aspergillus niger</i> lipase production by solid state fermentation of agro-industrial waste. <i>Energy Reports</i> , 2020, 6, 331-335.	5.1	37
21	Progress of fermentation methods for bio-succinic acid production using agro-industrial waste by <i>Actinobacillus succinogenes</i> . <i>Energy Reports</i> , 2020, 6, 234-239.	5.1	25
22	Sensitivity analysis of gas distribution pipeline risk assessment methodology in Indonesia. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
23	Effect of magnesium addition to volatile fatty acids and particulate chemical oxygen demand in hydrolysis phase of anaerobic waste treatment. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
24	Immobilization of Cholesterol Oxidase from <i>Streptomyces</i> Sp. on Magnetite Silicon Dioxide by Crosslinking Method for Cholesterol Oxidation. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 968-980.	2.9	3
25	Effect of Liquid Flow Rate on Carbon Dioxide Absorption Performance Using Aqueous Potassium Carbonate Promoted with Glycine at Elevated Pressure Condition of Packed Absorption Column. <i>Journal of Computational and Theoretical Nanoscience</i> , 2020, 17, 957-960.	0.4	0
26	Semi-quantitative risk analysis of a normally unmanned installation facility. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 3135-3147.	2.4	4
27	Production of polyhydroxybutyrate from oil palm empty fruit bunch (OPEFB) hydrolysates by <i>Bacillus cereus</i> suaeda B-001. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101019.	3.1	23
28	Process equipment common attributes for inherently safer process design at preliminary design stage. <i>Chemical Engineering Research and Design</i> , 2019, 128, 14-29.	5.6	19
29	Total phenolic content and antioxidant activity of spray-dried microcapsules propolis from <i>Tetragonula</i> species. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	12
30	Purification of recombinant protein apoptin from two cell host <i>Bacillus subtilis</i> 168 and <i>Escherichia coli</i> BI21 Starâ„¢. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
31	Apoptin gene optimization in <i>Escherichia coli</i> . <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
32	Effect of ethanolic propolis extract from <i>Tetragonula biroi</i> bees on the growth of human cancer cell lines HeLa and MCF-7. , 2019, , .		8
33	Kinetic study of cholesterol oxidation by cholesterol oxidase enzyme as application for cholesterol biosensor. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
34	Formulation of hard candy contains pure honey as functional food. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
35	Study controlled release, toxicity test, and pesticide test of microcapsule eugenol with casein micelle. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
36	The effects of heating process on protein isolation of lionfish (<i>Pterois volitans</i>) spines venom extract to antioxidant activity assay. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

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37	Extraction, antioxidant, and bioactive component assay of lionfish venom <i>Pterois volitans</i> . AIP Conference Proceedings, 2019, , .	0.4	0
38	Comparison of original honey (<i>Apis sp</i> and <i>Tetragonula sp</i>) and fake honey compounds in Indonesia using gas chromatography-mass spectrometry (GC-MS). AIP Conference Proceedings, 2019, , .	0.4	2
39	Oxidation of extracted cholesterol from fatty food by using crude cholesterol oxidase <i>Streptomyces sp.</i> . AIP Conference Proceedings, 2019, , .	0.4	0
40	Utilization of lionfish (<i>Pterois volitans</i>) venomous spines with effective purification as an alternative antiretroviral HIV/AIDS. AIP Conference Proceedings, 2019, , .	0.4	1
41	Purification and characterization of proteins in multifloral honey from kelulut bee (stingless bee). <i>Heliyon</i> , 2019, 5, e02835.	3.2	2
42	The influence of heating process on anticancer activity of <i>Pterois volitans</i> (red lionfish) venom extraction against human cervical carcinoma cell. AIP Conference Proceedings, 2019, , .	0.4	2
43	Microencapsulation of clove oil using spray dry with casein encapsulator and activity test towards <i>Streptococcus mutans</i> . AIP Conference Proceedings, 2019, , .	0.4	2
44	Identification and classification of honey's authenticity by attenuated total reflectance Fourier-transform infrared spectroscopy and chemometric method. <i>Veterinary World</i> , 2019, 12, 1304-1310.	1.7	12
45	Antiretroviral activity of <i>Pterois volitans</i> (red lionfish) venom in the early development of human immunodeficiency virus/acquired immunodeficiency syndrome antiretroviral alternative source. <i>Veterinary World</i> , 2019, 12, 309-315.	1.7	8
46	Modification of bayah banten natural zeolite as heterogeneous catalyst in biodiesel production. <i>Journal of Applied Engineering Science</i> , 2019, 17, 431-438.	0.9	1
47	Antimicrobial activities of pomelo (<i>Citrus maxima</i>) seed and pulp ethanolic extract. AIP Conference Proceedings, 2018, , .	0.4	8
48	Microencapsulation of ethanol extract propolis by maltodextrin and freeze-dried preparation. AIP Conference Proceedings, 2018, , .	0.4	5
49	Batch crystallization of rifapentine for inhalable tuberculosis medication. AIP Conference Proceedings, 2018, , .	0.4	1
50	Selection of propolis <i>Tetragonula sp.</i> extract solvent with flavonoids and polyphenols concentration and antioxidant activity parameters. AIP Conference Proceedings, 2018, , .	0.4	9
51	Selection of discrimination marker from various propolis for mapping and identify anti <i>Candida albicans</i> activity. AIP Conference Proceedings, 2018, , .	0.4	8
52	Assessment, Mitigation, and Control of Potential Gas Leakage in Existing Buildings Not Designed for Gas Installation in Indonesia. <i>Energies</i> , 2018, 11, 2970.	3.1	5
53	Propolis Wax Application as Antimicrobial Active Substances of Transparent Soap. , 2018, , .		0
54	Production of immobilized extracellular lipase from <i>Aspergillus niger</i> by solid state fermentation method using palm kernel cake, soybean meal, and coir pith as the substrate. <i>Energy Procedia</i> , 2018, 153, 242-247.	1.8	13

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55	Growth Kinetic of Bacillus subtilis for Pyrene biodegradation. Energy Procedia, 2018, 153, 248-252.	1.8	4
56	Optimization potential analysis of micro-hydro power plant (MHPP) from river with low head. Energy Procedia, 2018, 153, 74-79.	1.8	10
57	Antimicrobial activity of biosurfactant derived from Bacillus subtilis C19. Energy Procedia, 2018, 153, 274-278.	1.8	36
58	Techno-economic analysis of lipase enzyme production from Aspergillus niger using agro-industrial waste by solid state fermentation. Energy Procedia, 2018, 153, 143-148.	1.8	14
59	Techno-economic analysis of portable plant from waste cooking oil. Energy Procedia, 2018, 153, 269-273.	1.8	2
60	Design of portable biodiesel plant from waste cooking oil. Energy Procedia, 2018, 153, 263-268.	1.8	9
61	Stability study of honey, black seed oil, and olive oil emulsions with lechitin as the emulsifier. AIP Conference Proceedings, 2018, , .	0.4	2
62	Insect-based lipid for biodiesel production. AIP Conference Proceedings, 2018, , .	0.4	6
63	Expertsâ€™ selection in the application of fuzzy fault tree analysis to evaluate an RSC â€™ GAS primary cooling system. AIP Conference Proceedings, 2018, , .	0.4	4
64	Risk analysis of gas distribution pipelines in apartments using the event tree analysis method. AIP Conference Proceedings, 2018, , .	0.4	1
65	Inherently safer mechanical material selection for process equipment. Chemical Engineering Research and Design, 2018, 120, 178-186.	5.6	7
66	Indonesian honey protein isolation Apis dorsata dorsata and Tetragonula sp. as antibacterial and antioxidant agent. AIP Conference Proceedings, 2018, , .	0.4	4
67	Use of Nicotiana tabacum L extract for anti-Aedes Aegypti mosquito paint. AIP Conference Proceedings, 2018, , .	0.4	1
68	Antiviral activity of Acanthaster planci phospholipase A2 against human immunodeficiency virus. Veterinary World, 2018, 11, 824-829.	1.7	6
69	Production and characterization of vaginal suppositories with propolis wax as active agent to prevent and treat Fluor albus. AIP Conference Proceedings, 2017, , .	0.4	1
70	Formulation of microemulsion propolis fluoride (PF) as varnish topical agent to stop activity of teeth caries. AIP Conference Proceedings, 2017, , .	0.4	0
71	Encapsulation of eugenol from clove oil using casein micelle for solid preparation. AIP Conference Proceedings, 2017, , .	0.4	5
72	The modification of ion exchange heterogeneous catalysts for biodiesel synthesis. AIP Conference Proceedings, 2017, , .	0.4	6

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73	Effect of chitosan's amino group in adsorption-crosslinking immobilization of lipase enzyme on resin to catalyze biodiesel synthesis. <i>Energy Procedia</i> , 2017, 136, 47-52.	1.8	23
74	Production and characterization of cellulase from <i>E. coli</i> EgRK2 recombinant based oil palm empty fruit bunch. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 287-295.	2.6	19
75	The effect of adding selective mixed culture of alternative electricity production based on tempe wastewater on tubular microbial fuel cell. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
76	Production of α -Amylase and β -Glucosidase from <i>Aspergillus niger</i> by solid state fermentation method on biomass waste substrates from rice husk, bagasse and corn cob. <i>Energy Procedia</i> , 2017, 136, 418-423.	1.8	35
77	Production of dry extract extracellular lipase from <i>Aspergillus niger</i> by solid state fermentation method to catalyze biodiesel synthesis. <i>Energy Procedia</i> , 2017, 136, 41-46.	1.8	22
78	Life Cycle Cost and Sensitivity Analysis of <i>Reutealis trisperma</i> as Non-Edible Feedstock for Future Biodiesel Production. <i>Energies</i> , 2017, 10, 877.	3.1	26
79	Encapsulation Process of Propolis Extract by Casein Micelle Improves Sunscreen Activity. <i>Makara Journal of Technology</i> , 2017, 21, 1.	0.3	13
80	Effect of Concentrations of Bacterial Consortia in Culture Medium from Wastewater in Microbial Fuel Cells. <i>Journal of Environmental Science and Technology</i> , 2017, 10, 276-282.	0.3	2
81	Biodegradation of Phenolic Hydrocarbon Waste Using Bacterial Consortium from Cattle Rumen. <i>International Journal of Environmental Science and Development</i> , 2017, 8, 200-203.	0.6	0
82	Effect of Anion and Amino Functional Group on Resin for Lipase Immobilization with Adsorption-Cross Linking Method. <i>Journal of Clean Energy Technologies</i> , 2017, 5, 366-370.	0.1	0
83	Biofilm composite design on pumice stone for phenol degradation in batik industrial waste. <i>International Journal of Environment and Waste Management</i> , 2015, 16, 209.	0.3	1
84	Chitin Extraction Fermentation <i>Penaeus</i> Shell Wastes with High Density Cell by Recycle Culture Cells. <i>Journal of Chitin and Chitosan Science</i> , 2014, 2, 209-215.	0.3	4
85	The Initial Dioxigenase Gene Sequences Analysis of Marine Bacteria Strain M128. <i>ASEAN Journal of Chemical Engineering</i> , 2013, 13, 33.	0.5	0
86	Rigorous kinetic model considering positional specificity of lipase for enzymatic stepwise hydrolysis of triolein in biphasic oil-water system. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 787-796.	3.4	14
87	Enhanced <i>Chlorella vulgaris</i> growth by photon flux density alteration in serial photobioreactors. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 476-482.	2.6	17
88	Mathematical model for stepwise hydrolysis of triolein using <i>Candida rugosa</i> lipase in biphasic oil-water system. <i>Biochemical Engineering Journal</i> , 2006, 31, 125-132.	3.6	32
89	Enhancement of carbon dioxide fixation by alteration of illumination during <i>Chlorella vulgaris</i> 's growth. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 484-488.	2.6	8
90	Preparation of the Edible Biocomposite Film Gelatin/Bacterial Cellulose Microcrystal (BCMC): Variation of Matrix Concentration, Filler, and Sonication Time. <i>Advanced Materials Research</i> , 0, 789, 287-293.	0.3	6

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91	Food Grade Bioplastic Based on Corn Starch with Banana Pseudostem Fibre/Bacterial Cellulose Hybrid Filler. <i>Advanced Materials Research</i> , 0, 997, 158-168.	0.3	8
92	Distillation column inherent safety index at preliminary design stage. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 458, 012047.	0.6	3
93	Lipase Biocatalyst Immobilization from Solid State Fermentation of Palm Oil Empty Fruit Bunches, Bagasse, and Palm Oil Sludge with Adsorption-Cross Linking Method in Anion Macroporous Resin. <i>Materials Science Forum</i> , 0, 929, 209-217.	0.3	0
94	Semi Quantitative Risk Analysis Of Well Blowout During Reactivation Phase Using Relief Well Technique. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0