

# Heri Hermansyah

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7004812/publications.pdf>

Version: 2024-02-01

94  
papers

634  
citations

623734

14  
h-index

752698

20  
g-index

95  
all docs

95  
docs citations

95  
times ranked

745  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Antimicrobial activity of biosurfactant derived from <i>Bacillus subtilis</i> C19. <i>Energy Procedia</i> , 2018, 153, 274-278.	1.8	36
3	Production of $\alpha$ -Amylase and $\beta$ -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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Enhanced <i>Chlorella vulgaris</i> Buitenzorg growth by photon flux density alteration in serial photobioreactors. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 476-482.	2.6	17
13	Solid state fermentation method for production of laccase enzyme with bagasse, cornstalk and rice husk as substrates for adrenaline biosensor. <i>Energy Reports</i> , 2020, 6, 336-340.	5.1	15
14	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
15	Techno-economic analysis of lipase enzyme production from <i>Aspergillus niger</i> using agro-industrial waste by solid state fermentation. <i>Energy Procedia</i> , 2018, 153, 143-148.	1.8	14
16	Encapsulation Process of Propolis Extract by Casein Micelle Improves Sunscreen Activity. <i>Makara Journal of Technology</i> , 2017, 21, 1.	0.3	13
17	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
18	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

#	ARTICLE	IF	CITATIONS
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	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
21	Optimization potential analysis of micro-hydro power plant (MHPP) from river with low head. <i>Energy Procedia</i> , 2018, 153, 74-79.	1.8	10
22	Selection of propolis <i>Tetragonula</i> sp. extract solvent with flavonoids and polyphenols concentration and antioxidant activity parameters. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	9
23	Design of portable biodiesel plant from waste cooking oil. <i>Energy Procedia</i> , 2018, 153, 263-268.	1.8	9
24	Equipment-based route index of inherent safety. <i>Process Safety Progress</i> , 2020, 39, e12108.	1.0	9
25	Enhancement of carbon dioxide fixation by alteration of illumination during <i>Chlorella vulgaris</i> -Buitenzorg's growth. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 484-488.	2.6	8
26	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
27	Antimicrobial activities of pomelo ( <i>Citrus maxima</i> ) seed and pulp ethanolic extract. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	8
28	Selection of discrimination marker from various propolis for mapping and identify anti <i>Candida albicans</i> activity. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	8
29	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
30	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
31	Inherently safer mechanical material selection for process equipment. <i>Chemical Engineering Research and Design</i> , 2018, 120, 178-186.	5.6	7
32	Production of methyl caffeate as an intermediate product to produce caffeic acid phenethyl ester by esterification using cation-exchange resin. <i>Energy Reports</i> , 2020, 6, 528-533.	5.1	7
33	Safety Analysis Technique for System with Limited Data: Case Study of the Multipurpose Research Reactor in Indonesia. <i>Energies</i> , 2020, 13, 1975.	3.1	7
34	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
35	The modification of ion exchange heterogeneous catalysts for biodiesel synthesis. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	6
36	Insect-based lipid for biodiesel production. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	6

#	ARTICLE	IF	CITATIONS
37	Antiviral activity of <i>Acanthaster planci</i> phospholipase A2 against human immunodeficiency virus. <i>Veterinary World</i> , 2018, 11, 824-829.	1.7	6
38	Encapsulation of eugenol from clove oil using casein micelle for solid preparation. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
39	Microencapsulation of ethanol extract propolis by maltodextrin and freeze-dried preparation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
40	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
41	Growth Kinetic of <i>Bacillus subtilis</i> for Pyrene biodegradation. <i>Energy Procedia</i> , 2018, 153, 248-252.	1.8	4
42	Expertsâ€™ selection in the application of fuzzy fault tree analysis to evaluate an RSG â€™ GAS primary cooling system. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
43	Indonesian honey protein isolation <i>Apis dorsata dorsata</i> and <i>Tetragonula sp.</i> as antibacterial and antioxidant agent. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
44	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
45	Kinetic study of cholesterol oxidation by cholesterol oxidase enzyme as application for cholesterol biosensor. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
46	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
47	Distillation column inherent safety index at preliminary design stage. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 458, 012047.	0.6	3
48	Formulation of hard candy contains pure honey as functional food. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
49	Study controlled release, toxicity test, and pesticide test of microcapsule eugenol with casein micelle. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
50	Immobilization of Cholesterol Oxidase from <i>Streptomyces Sp.</i> on Magnetite Silicon Dioxide by Crosslinking Method for Cholesterol Oxidation. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 968-980.	2.9	3
51	Techno-economic analysis of portable plant from waste cooking oil. <i>Energy Procedia</i> , 2018, 153, 269-273.	1.8	2
52	Stability study of honey, black seed oil, and olive oil emulsions with lechitin as the emulsifier. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
53	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
54	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). <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
55	Purification and characterization of proteins in multifloral honey from kelulut bee (stingless bee). Heliyon, 2019, 5, e02835.	3.2	2
56	The influence of heating process on anticancer activity of Pterois volitans (red lionfish) venom extraction against human cervical carcinoma cell. AIP Conference Proceedings, 2019, , .	0.4	2
57	Microencapsulation of clove oil using spray dry with casein encapsulator and activity test towards Streptococcus mutans. AIP Conference Proceedings, 2019, , .	0.4	2
58	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
59	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
60	Effect of Concentrations of Bacterial Consortia in Culture Medium from Wastewater in Microbial Fuel Cells. Journal of Environmental Science and Technology, 2017, 10, 276-282.	0.3	2
61	Visualizing primary cooling system risks with bowtie diagram for RSG GAS operator guidance. Process Safety Progress, 2022, 41, .	1.0	2
62	Biofilm composite design on pumice stone for phenol degradation in batik industrial waste. International Journal of Environment and Waste Management, 2015, 16, 209.	0.3	1
63	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
64	The effect of adding selective mixed culture of alternative electricity production based on tempe wastewater on tubular microbial fuel cell. AIP Conference Proceedings, 2017, , .	0.4	1
65	Batch crystallization of rifapentine for inhalable tuberculosis medication. AIP Conference Proceedings, 2018, , .	0.4	1
66	Risk analysis of gas distribution pipelines in apartments using the event tree analysis method. AIP Conference Proceedings, 2018, , .	0.4	1
67	Use of Nicotiana tabacum L extract for anti-Aedes Aegypti mosquito paint. AIP Conference Proceedings, 2018, , .	0.4	1
68	Utilization of lionfish (Pterois volitans) venomous spines with effective purification as an alternative antiretroviral HIV/AIDS. AIP Conference Proceedings, 2019, , .	0.4	1
69	The optimum flowrate recirculation of stacked microbial desalination cell. AIP Conference Proceedings, 2020, , .	0.4	1
70	Analysis for the feasibility of portable biodigester to produce household scale energy. AIP Conference Proceedings, 2020, , .	0.4	1
71	Assessing carbon availability in bioelectrochemical systems for nitrate removal by environmental isolates. AIP Conference Proceedings, 2020, , .	0.4	1
72	Modification of fast release fluoride varnish by addition of plant-based extracts as antibacterial agents. AIP Conference Proceedings, 2021, , .	0.4	1

#	ARTICLE	IF	CITATIONS
73	Modification of bayah banten natural zeolite as heterogeneous catalyst in biodiesel production. Journal of Applied Engineering Science, 2019, 17, 431-438.	0.9	1
74	Formulation of microemulsion propolis fluoride (PF) as varnish topical agent to stop activity of teeth caries. AIP Conference Proceedings, 2017, , .	0.4	0
75	Propolis Wax Application as Antimicrobial Active Substances of Transparent Soap. , 2018, , .		0
76	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. Materials Science Forum, 0, 929, 209-217.	0.3	0
77	Purification of recombinant protein apoptin from two cell host Bacillus subtilis 168 and Escherichia coli BL21 Starâ„¢. AIP Conference Proceedings, 2019, , .	0.4	0
78	Apoptin gene optimization in Escherichia coli. AIP Conference Proceedings, 2019, , .	0.4	0
79	Extraction, antioxidant, and bioactive component assay of lionfish venom Pterois volitans. AIP Conference Proceedings, 2019, , .	0.4	0
80	Oxidation of extracted cholesterol from fatty food by using crude cholesterol oxidase Streptomyces sp.. AIP Conference Proceedings, 2019, , .	0.4	0
81	Semi-quantitative risk assessment on the impact of port development to wellhead platform. Process Safety Progress, 2020, 39, e12117.	1.0	0
82	Investigation of the optimum condition for biogas production using cow manure and lemongrass as the substrates. AIP Conference Proceedings, 2020, , .	0.4	0
83	Production of unsaturated fatty acid from Rhizopus oligosporus with temperature shift strategy to prevent cardiovascular disease. AIP Conference Proceedings, 2020, , .	0.4	0
84	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
85	Sensitivity analysis of gas distribution pipeline risk assessment methodology in Indonesia. AIP Conference Proceedings, 2020, , .	0.4	0
86	Effect of magnesium addition to volatile fatty acids and particulate chemical oxygen demand in hydrolysis phase of anaerobic waste treatment. AIP Conference Proceedings, 2020, , .	0.4	0
87	Optimization of fluoride release by addition of flavor oils in fast release fluoride varnish. AIP Conference Proceedings, 2021, , .	0.4	0
88	Mechanical Engineering for Society and Industry: A Preface. Mechanical Engineering for Society and Industry, 2021, 1, 1-2.	2.0	0
89	Semi Quantitative Risk Analysis Of Well Blowout During Reactivation Phase Using Relief Well Technique. SSRN Electronic Journal, 0, , .	0.4	0
90	The Initial Dioxigenase Gene Sequences Analysis of Marine Bacteria Strain M128. ASEAN Journal of Chemical Engineering, 2013, 13, 33.	0.5	0

#	ARTICLE	IF	CITATIONS
91	Biodegradation of Phenolic Hydrocarbon Waste Using Bacterial Consortium from Cattle Rumen. International Journal of Environmental Science and Development, 2017, 8, 200-203.	0.6	0
92	Effect of Anion and Amino Functional Group on Resin for Lipase Immobilization with Adsorption-Cross Linking Method. Journal of Clean Energy Technologies, 2017, 5, 366-370.	0.1	0
93	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. Journal of Computational and Theoretical Nanoscience, 2020, 17, 957-960.	0.4	0
94	Prediction of B20 Storage Tank Precipitate Removal Based on Biodiesel Monoglyceride Content. ChemEngineering, 2022, 6, 7.	2.4	0